



- ❶ HS 25, with suction cup
- ❷ Mignon 3, Material feed in gun handle
- ❸ SM 901, with gravity feed cup
- ❹ HS 25, with lower material connection
- ❺ Perfekt 4, with lower material connection
- ❻ Perfekt 4, Pressure feed
- ❼ Perfekt 4, Equi-pressure
- ❽ Perfekt 4, with gravity feed cup
- ❾ Dekor, with gravity feed cup

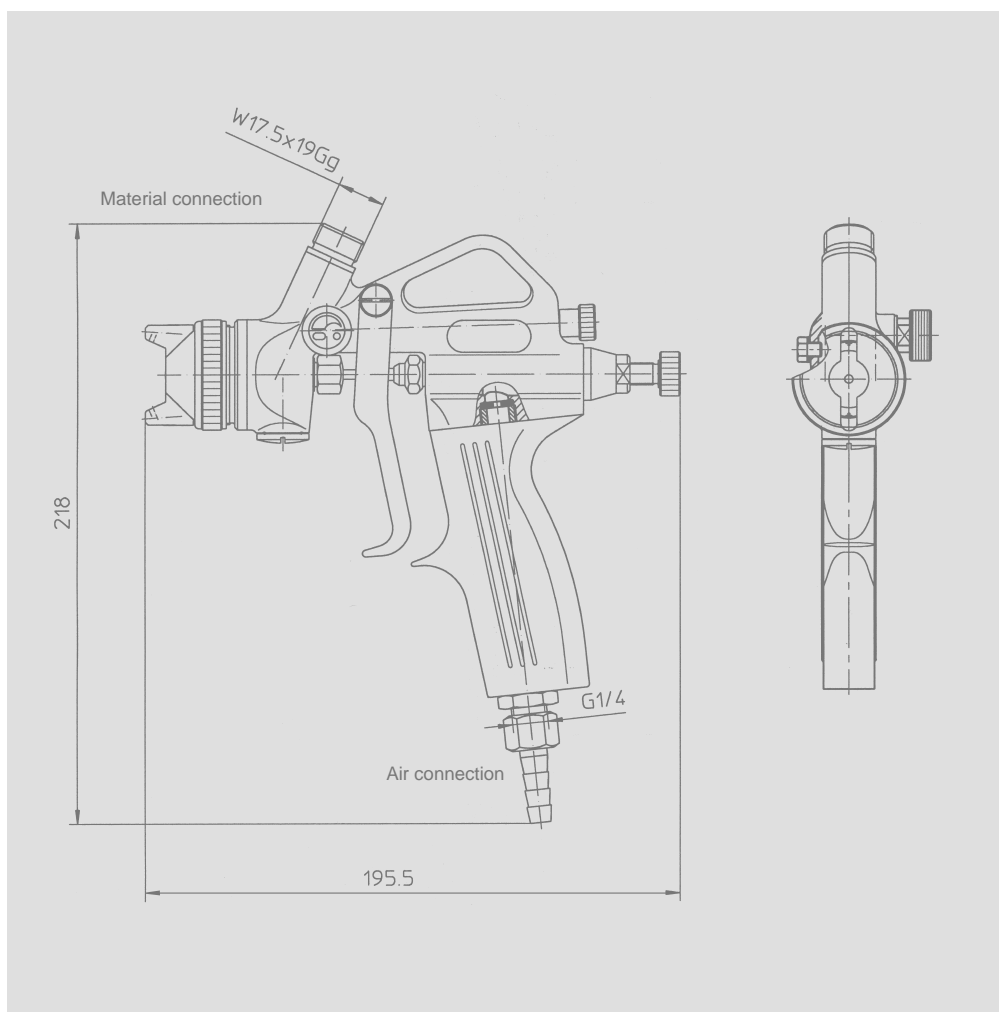
HS 25 Gravity feed

This high-performance spray gun is suitable for use with a wide range of media. The spray gun is equipped with a fine-tune air regulator as standard to allow precision metering of the air volume. The built-in jet regulating valve allows continuous adjustment from an extremely fine circular jet to a full flat jet, and this means that the jet width can be adjusted to suit different work-pieces during the spraying process. The handy, well-balanced design ensures fatigue-free operation. The integrated plastic handle is also an advantage during continuous use, as it prevents the highly cooled compressed air from chilling the surface of the handle. The main element is made of an anodised, corrosion-resistant light metal alloy. The material nozzles and needles are made of stainless steel as standard but are also available in tungsten carbide, plastic etc. for special applications.

There are several options for material feed. Guns are available with material connection hose nozzles or with a range of gravity cups. There is also a wide selection of nozzles and needles of various sizes. The spray gun can naturally also be used in combination with our material feed containers, diaphragm pumps and regulators.

Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium (housing) and stainless steel (material needle and nozzle) as well as brass and plastic (gaskets); the gravity cups are made of aluminium, copper or plastic.



Special accessories

Nozzle extensions: these are particularly suitable for use when coating cavities (e.g. pipes, canisters, tins or other containers). In many cases, the length and shape of the nozzle extension can be adapted to suit special customer requirements. Ready-made nozzle extensions are also available.

Technical data

Operating pressures / Operating temperature

Max. material pressure:	0.6 MPa (6 bar)
Max. material temperature (8 hrs contin. duty):	43 °C
Max. atomiser air pressure:	1.2 MPa (12 bar)
Max. air temperature:	43 °C

Connections

Flow connection:	W 17.5 x 19 AG
Atomiser air:	hose NW 8/9 mm or G1/4 AG

Weight

without material cup	approx. 570 g
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Noise emission

Contin. sound pressure level, nozzle-dependent:	73 to 96 dB (A)
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	Stainless steel		Standard*											
Pistol body / Parts in contact with coating substance	+	x												
Air nozzle / brass, chemically nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Rotary jet "D"	-	-	-	-	-	-	+	-	-	-	-	-	-	-
Air nozzle / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Rotary jet "D"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Rotary jet "DK"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Rotary jet "DT"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Rotary jet "DX"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Rotary jet "DZ"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ6"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ8"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ12"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Flat / Circular "C"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Flat / Circular "DC"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Flat / Circular "DE"	-	x	x	x	x	x	x	x	-	x	x	x	-	-
Flat / Circular "E" (Standard)	x	x	x	x	x	x	x	x	-	x	x	x	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	+	-	-
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "G"	-	-	-	+	+	+	+	+	-	+	-	+	-	-
Flat / Circular "G1"	-	-	+	+	+	-	+	-	-	-	-	-	-	-
Flat / Circular "GG"	-	-	-	-	-	+	+	+	+	+	+	-	-	-
Flat / Circular "GG2"	-	-	-	-	-	+	+	+	-	-	-	-	-	-
Circular "R"	x	x	x	x	x	x	x	x	-	x	x	x	x	x
Mottle "SP"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Air nozzle / MS PTFE / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "DC"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "DE"	-	x	+	+	+	+	+	+	-	+	+	+	-	-
Flat / Circular "E"	+	+	+	+	+	+	+	+	-	+	+	+	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Air nozzle / POM / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	+	+	+	+	+	+	+	-	-	-	-	-	-	-
Flat / Circular "E"	-	-	-	-	+	+	-	-	-	+	-	-	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	-	-	-	-	-	-	-
Air nozzle / Aluminium / Hard-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	-	+	+	+	-	-	-	-	-	-	-	-	-	-
Flat / Circular "F"	+	+	+	+	-	-	+	+	-	+	+	-	-	-
Air nozzle / Aluminium / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	-	+	+	+	+	+	-	-	-	-	-	-	-	-

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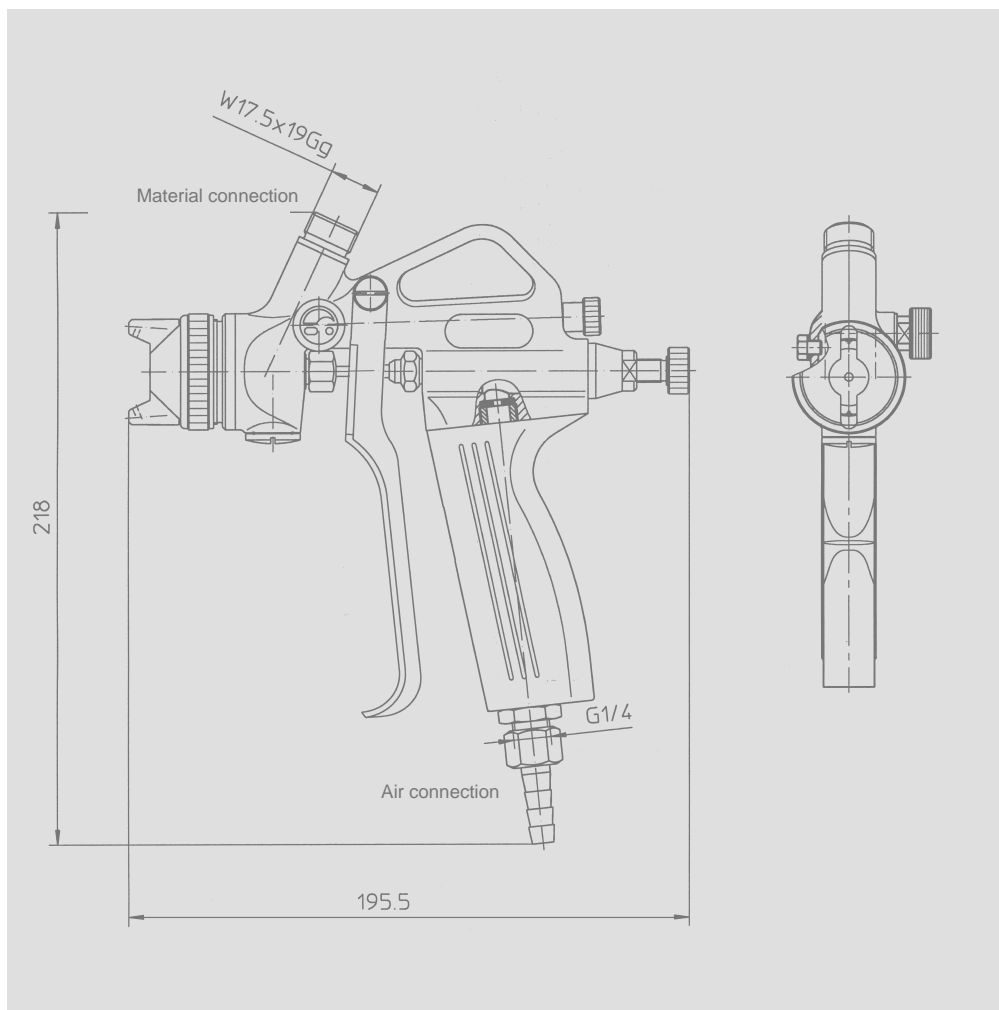
HS 25 Gravity feed Long trigger

This high-performance spray gun is suitable for use with a wide range of media. The spray gun is equipped with a fine-tune air regulator as standard to allow precision metering of the air volume. The built-in jet regulating valve allows continuous adjustment from an extremely fine circular jet to a full flat jet, and this means that the jet width can be adjusted to suit different work-pieces during the spraying process. The handy, well-balanced design ensures fatigue-free operation. The integrated plastic handle is also an advantage during continuous use, as it prevents the highly cooled compressed air from chilling the surface of the handle. The main element is made of an anodised, corrosion-resistant light metal alloy. The material nozzles and needles are made of stainless steel as standard but are also available in tungsten carbide, plastic etc. for special applications.

There are several options for material feed. Guns are available with material connection hose nozzles or with a range of gravity cups. There is also a wide selection of nozzles and needles of various sizes. The spray gun can naturally also be used in combination with our material feed containers, diaphragm pumps and regulators.

Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium (housing) and stainless steel (material needle and nozzle) as well as brass and plastic (gaskets); the gravity cups are made of aluminium, copper or plastic.



Special accessories

Nozzle extensions: these are particularly suitable for use when coating cavities (e.g. pipes, canisters, tins or other containers). In many cases, the length and shape of the nozzle extension can be adapted to suit special customer requirements. Ready-made nozzle extensions are also available.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.6 MPa (6 bar)
Max. material temperature (8 hrs contin. duty): 43 °C
Max. atomiser air pressure: 1.2 MPa (12 bar)
Max. air temperature: 43 °C

Connections

Flow connection: W 17.5 x 19 AG
Atomiser air: hose NW 8/9 mm or G1/4 AG

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)



	Stainless steel		Standard*											
Pistol body / Parts in contact with coating substance	+		x											
Air nozzle / brass, chemically nickel-plated / mm	0,3	0,5	0,8	1,0	1,2	1,5	1,8	2,0	2,2	2,5	3,0	3,5	4,5	6,0
Rotary jet "D"	-	-	-	-	-	-	+	-	-	-	-	-	-	-
Air nozzle / brass, nickel-plated / mm	0,3	0,5	0,8	1,0	1,2	1,5	1,8	2,0	2,2	2,5	3,0	3,5	4,5	6,0
Rotary jet "D"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Rotary jet "DK"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Rotary jet "DT"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Rotary jet "DX"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Rotary jet "DZ"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ6"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ8"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ12"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Flat / Circular "C"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Flat / Circular "DC"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Flat / Circular "DE"	-	x	x	x	x	x	x	x	-	x	x	x	-	-
Flat / Circular "E" (Standard)	x	x	x	x	x	x	x	x	-	x	x	x	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	+	-	-
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "G"	-	-	-	+	+	+	+	+	-	+	-	+	-	-
Flat / Circular "G1"	-	-	+	+	+	-	+	-	-	-	-	-	-	-
Flat / Circular "GG"	-	-	-	-	-	+	+	+	+	+	+	-	-	-
Flat / Circular "GG2"	-	-	-	-	-	+	+	+	-	-	-	-	-	-
Circular "R"	x	x	x	x	x	x	x	x	-	x	x	x	x	x
Mottle "SP"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Air nozzle / MS PTFE / mm	0,3	0,5	0,8	1,0	1,2	1,5	1,8	2,0	2,2	2,5	3,0	3,5	4,5	6,0
Flat / Circular "C"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "DC"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "DE"	-	x	+	+	+	+	+	+	-	+	+	+	-	-
Flat / Circular "E"	+	+	+	+	+	+	+	+	-	+	+	+	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Air nozzle / POM / mm	0,3	0,5	0,8	1,0	1,2	1,5	1,8	2,0	2,2	2,5	3,0	3,5	4,5	6,0
Flat / Circular "C"	+	+	+	+	+	+	+	-	-	-	-	-	-	-
Flat / Circular "E"	-	-	-	-	+	+	-	-	-	+	-	-	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	-	-	-	-	-	-	-
Air nozzle / Aluminium / Hard-coated / mm	0,3	0,5	0,8	1,0	1,2	1,5	1,8	2,0	2,2	2,5	3,0	3,5	4,5	6,0
Flat / Circular "C"	-	+	+	+	-	-	-	-	-	-	-	-	-	-
Flat / Circular "F"	+	+	+	+	-	-	+	+	-	+	+	-	-	-
Air nozzle / Aluminium / mm	0,3	0,5	0,8	1,0	1,2	1,5	1,8	2,0	2,2	2,5	3,0	3,5	4,5	6,0
Flat / Circular "C"	-	+	+	+	+	+	-	-	-	-	-	-	-	-

x no surcharge + surcharge - not available

* Aluminium / Brass / Plastic parts

[illegible]

HS 25 Suction feed

This high-performance spray gun is suitable for use with a wide range of media. The spray gun is equipped with a fine-tune air regulator as standard to allow precision metering of the air volume. The built-in jet regulating valve allows continuous adjustment from an extremely fine circular jet to a full flat jet, and this means that the jet width can be adjusted to suit different work-pieces during the spraying process. The handy, well-balanced design ensures fatigue-free operation. The integrated plastic handle is also an advantage during continuous use, as it prevents the highly cooled compressed air from chilling the surface of the handle. The main element is made of an anodised, corrosion-resistant light metal alloy. The material nozzles and needles are made of stainless steel as standard but are also available in tungsten carbide, plastic etc. for special applications.

There are several options for material feed. Guns are available with material connection hose nozzles or with a range of suction cups. There is also a wide selection of nozzles and needles of various sizes. The spray gun can naturally also be used in combination with our material feed containers, diaphragm pumps and regulators.

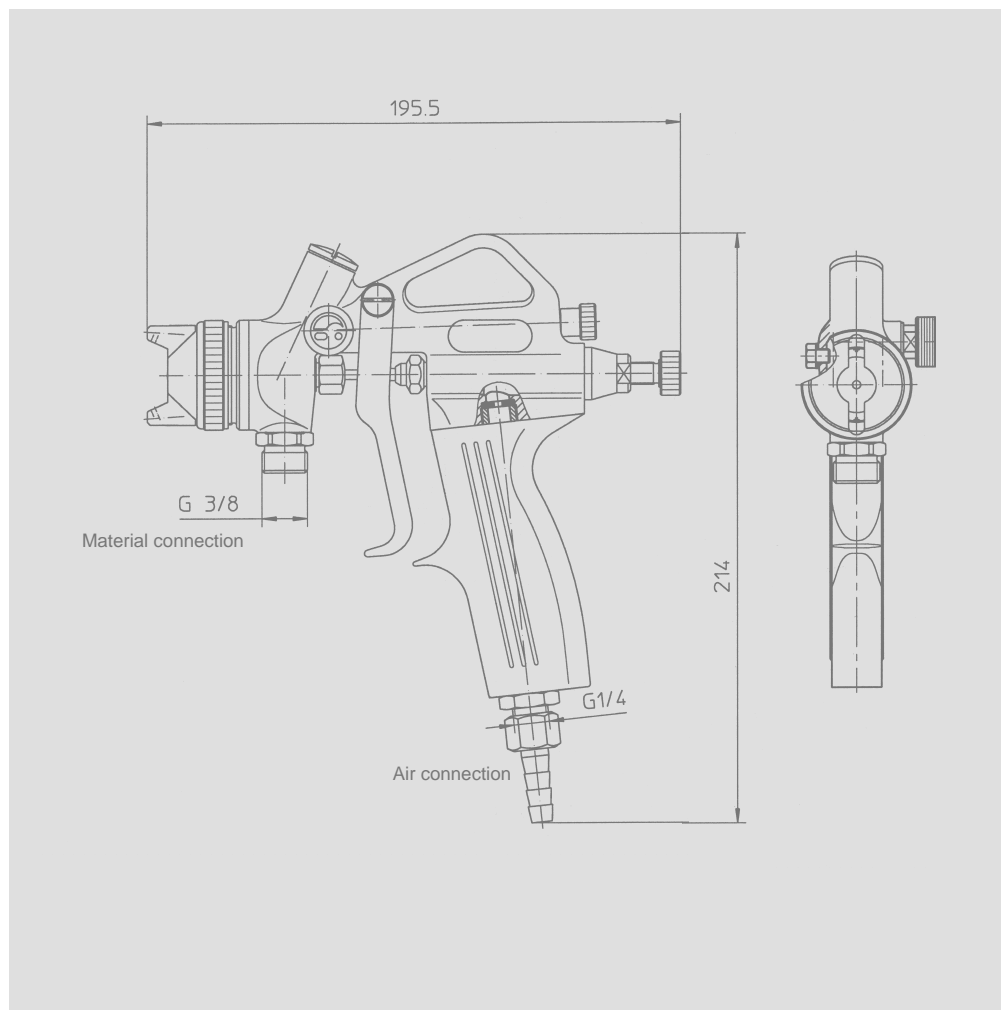
Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium (housing) and stainless steel

(material needle and nozzle) as well as brass and plastic (gaskets); the suction cups are made of aluminium or plastic.

Special accessories

Nozzle extensions: these are particularly suitable for use when coating cavities (e.g. pipes, canisters, tins or other containers). In many cases, the length and shape of the nozzle extension can be adapted to suit special customer requirements. Ready-made nozzle extensions are also available.



Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.6 MPa (6 bar)
Max. material temperature (8 hrs contin. duty): 43 °C
Max. atomiser air pressure: 1.2 MPa (12 bar)
Max. air temperature: 43 °C

Connections

Suction connection: G3/8 AG
Atomiser air: hose NW 8/9 mm or G1/4 AG

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)



	Stainless steel		Standard*											
Pistol body / Parts in contact with coating substance	+		x											
Air nozzle / brass, chemically nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Rotary jet "D"	-	-	-	-	-	-	+	-	-	-	-	-	-	-
Air nozzle / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Rotary jet "D"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Rotary jet "DK"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Rotary jet "DT"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Rotary jet "DX"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Rotary jet "DZ"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ6"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ8"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ12"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Flat / Circular "C"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Flat / Circular "DC"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Flat / Circular "DE"	-	x	x	x	x	x	x	x	-	x	x	x	-	-
Flat / Circular "E" (Standard)	x	x	x	x	x	x	x	x	-	x	x	x	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	+	-	-
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	+	-	-
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "G"	-	-	-	+	+	+	+	+	-	+	-	+	-	-
Flat / Circular "G1"	-	-	+	+	+	-	+	-	-	-	-	-	-	-
Flat / Circular "GG"	-	-	-	-	-	+	+	+	+	+	+	-	-	-
Flat / Circular "GG2"	-	-	-	-	-	+	+	+	-	-	-	-	-	-
Circular "R"	x	x	x	x	x	x	x	x	-	x	x	x	x	x
Mottle "SP"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Air nozzle / MS PTFE / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "DC"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "DE"	-	x	+	+	+	+	+	+	-	+	+	+	-	-
Flat / Circular "E"	+	+	+	+	+	+	+	+	-	+	+	+	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	+	-	-
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Air nozzle / POM / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	+	+	+	+	+	+	+	-	-	-	-	-	-	-
Flat / Circular "E"	-	-	-	-	+	+	-	-	-	+	-	-	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	-	-	-	-	-	-	-
Air nozzle / Aluminium / Hard-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "F"	+	+	+	+	-	-	+	+	-	+	+	-	-	-
Air nozzle / Aluminium / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	-	+	+	+	+	+	-	-	-	-	-	-	-	-

x no surcharge + surcharge - not available

* Aluminium / Brass / Plastic parts

[illegible]



Material connection		Material connection G 3/8" AG			
Material connection / Bottom		x			
Material connection / Cup G 3/8" AG	Aluminium	Plastic			
600 ml with union nut G 3/8" IG	-	+			
750 ml with union nut G 3/8" IG	+	-			
1000 ml with union nut G 3/8" IG	+	-			
2000 ml with union nut G 3/8" IG	+	-			
Material connection / Hose nozzle G 3/8" IG	Brass	Brass, nickel-pl.	Stainless steel	Plastic	
DN 6/7	+	+	-	-	
DN 8/9	+	+	+	+	
DN 10/11	+	-	+	-	
DN 12/13	+	-	-	-	
Material connection / Circulation	Brass	Brass, nickel-pl.	Stainless steel	Aluminium	
2x G 1/4" AG x G 3/8" IG	-	+	+	+	
Material connection / Connection tap G 3/8" IG	Brass				
DN 8/9	+				
Material connection / Reducing nipple G 3/8" IG	Brass				
1/4" AG	+				
Material connection / Fast screw connection G 3/8" IG	Brass	Brass, nickel-pl.	Stainless steel	Aluminium	PA
PK 4	-	+	-	-	-
PK 6	+	+	+	+	+
PK 8	+	+	-	-	+
PK 9	-	-	-	+	-
Air connection					
Air connection / Hose nozzle G 1/4" IG	Brass	Brass, nickel-pl.	Stainless steel		
DN 4	+	-	-		
DN 6/7	+	+	+		
DN 8/9	x	+	+		
DN 10	+	+	-		
Air connection / Rapid-fix coupling	DN 6/7	DN 8/9	G 1/4" IG		
G 1/4" IG	+	+	+		
Air connection / Coupling nipple	Material				
Swivel-action	x				
Air connection / Air control valve G 1/4" IG	with pressure gauge				
Air control valve G 1/4" AG	+				
Air connection / Fast screw connection G 1/4" IG	Brass	Brass, nickel-pl.	Stainless steel	Aluminium	PA
PK 4	+	+	+	+	-
PK 6	+	+	+	+	+
PK 8	-	+	+	-	+
Air connection / Reducing nipple G 1/4" IG	Brass				
G 1/8" AG	+				
Needle packing	Leather	PTFE / Cotton fabric	PTFE / Graphite		
	x	x	x		

HS 25 Suction feed Long trigger

This high-performance spray gun is suitable for use with a wide range of media. The spray gun is equipped with a fine-tune air regulator as standard to allow precision metering of the air volume. The built-in jet regulating valve allows continuous adjustment from an extremely fine circular jet to a full flat jet, and this means that the jet width can be adjusted to suit different work-pieces during the spraying process. The handy, well-balanced design ensures fatigue-free operation. The integrated plastic handle is also an advantage during continuous use, as it prevents the highly cooled compressed air from chilling the surface of the handle. The main element is made of an anodised, corrosion-resistant light metal alloy. The material nozzles and needles are made of stainless steel as standard but are also available in tungsten carbide, plastic etc. for special applications.

There are several options for material feed. Guns are available with material connection hose nozzles or with a range of suction cups. There is also a wide selection of nozzles and needles of various sizes. The spray gun can naturally also be used in combination with our material feed containers, diaphragm pumps and regulators.

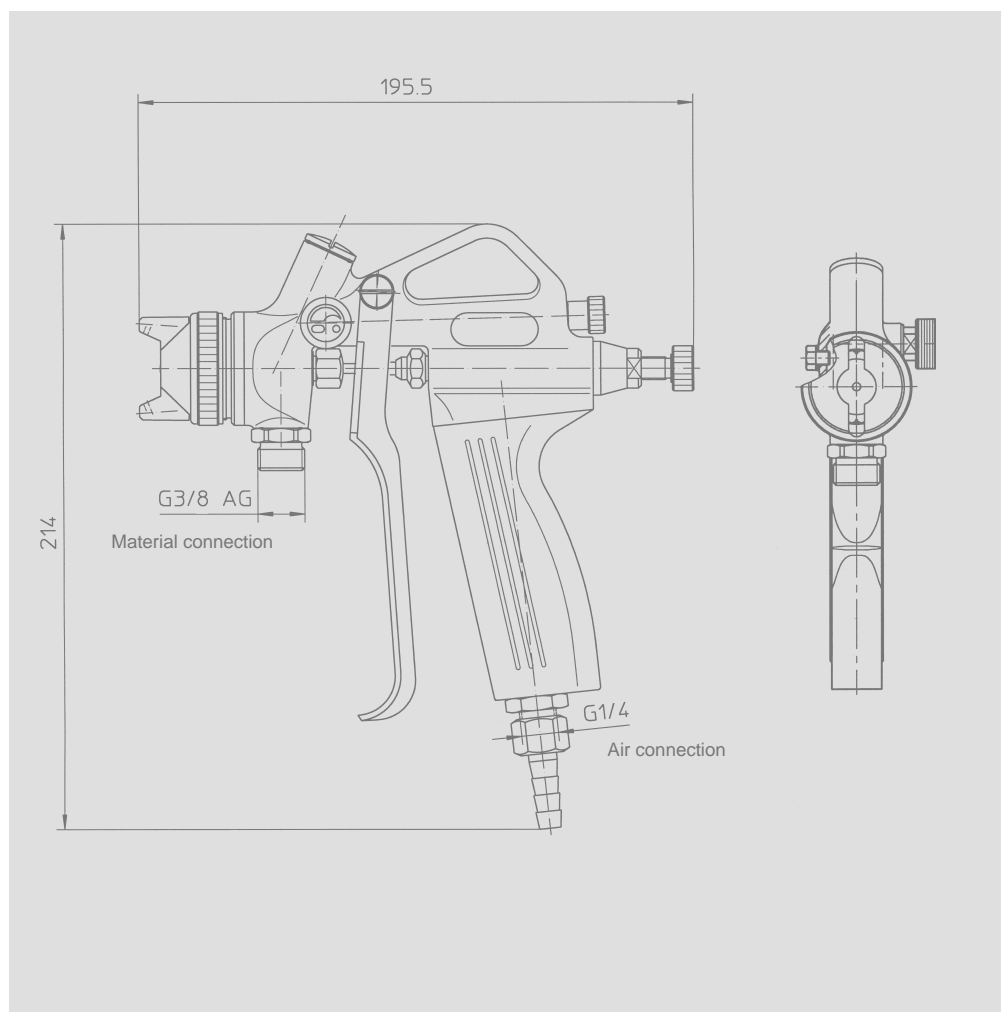
Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium (housing) and stainless steel

(material needle and nozzle) as well as brass and plastic (gaskets); the suction cups are made of aluminium or plastic.

Special accessories

Nozzle extensions: these are particularly suitable for use when coating cavities (e.g. pipes, canisters, tins or other containers). In many cases, the length and shape of the nozzle extension can be adapted to suit special customer requirements. Ready-made nozzle extensions are also available.



Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.6 MPa (6 bar)
Max. material temperature (8 hrs contin. duty): 43 °C
Max. atomiser air pressure: 1.2 MPa (12 bar)
Max. air temperature: 43 °C

Connections

Suction connection: G3/8 AG
Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight

without material cup approx. 570 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)



	Stainless steel		Standard*											
Pistol body / Parts in contact with coating substance	+		x											
Air nozzle / brass, chemically nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Rotary jet "D"	-	-	-	-	-	-	+	-	-	-	-	-	-	-
Air nozzle / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Rotary jet "D"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Rotary jet "DK"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Rotary jet "DT"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Rotary jet "DX"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Rotary jet "DZ"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ6"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ8"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ12"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Flat / Circular "C"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Flat / Circular "DC"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Flat / Circular "DE"	-	x	x	x	x	x	x	x	-	x	x	x	-	-
Flat / Circular "E" (Standard)	x	x	x	x	x	x	x	x	-	x	x	x	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	+	-	-
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "G"	-	-	-	+	+	+	+	+	-	+	-	+	-	-
Flat / Circular "G1"	-	-	+	+	+	-	+	-	-	-	-	-	-	-
Flat / Circular "GG"	-	-	-	-	-	+	+	+	+	+	+	-	-	-
Flat / Circular "GG2"	-	-	-	-	-	+	+	+	-	-	-	-	-	-
Circular "R"	x	x	x	x	x	x	x	x	-	x	x	x	x	x
Mottle "SP"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Air nozzle / MS PTFE / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "DC"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "DE"	-	x	+	+	+	+	+	+	-	+	+	+	-	-
Flat / Circular "E"	+	+	+	+	+	+	+	+	-	+	+	+	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Air nozzle / POM / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	+	+	+	+	+	+	+	-	-	-	-	-	-	-
Flat / Circular "E"	-	-	-	-	+	+	-	-	-	+	-	-	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	-	-	-	-	-	-	-
Air nozzle / Aluminium / Hard-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "F"	+	+	+	+	-	-	+	+	-	+	+	-	-	-
Air nozzle / Aluminium / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	-	+	+	+	+	+	-	-	-	-	-	-	-	-

x no surcharge + surcharge - not available

* Aluminium / Brass / Plastic parts



Material connection		Material connection G 3/8" AG				
Material connection / Bottom		x				
Material connection / Cup G 3/8" AG		Aluminium	Plastic			
600 ml with union nut G 3/8" IG		-	+			
750 ml with union nut G 3/8" IG		+	-			
1000 ml with union nut G 3/8" IG		+	-			
2000 ml with union nut G 3/8" IG		+	-			
Material connection / Hose nozzle G 3/8" IG		Brass	Brass, nickel-pl.	Stainless steel	Plastic	
DN 6/7		+	+	-	-	
DN 8/9		+	+	+	+	
DN 10/11		+	-	+	-	
DN 12/13		+	-	-	-	
Material connection / Circulation		Brass	Brass, nickel-pl.	Stainless steel	Aluminium	
2x G 1/4" AG x G 3/8" IG		-	+	+	+	
Material connection / Connection tap G 3/8" IG		Brass				
DN 8/9		+				
Material connection / Reducing nipple G 3/8" IG		Brass				
1/4" AG		+				
Material connection / Fast screw connection G 3/8" IG		Brass	Brass, nickel-pl.	Stainless steel	Aluminium	PA
PK 4		-	+	-	-	-
PK 6		+	+	+	+	+
PK 8		+	+	-	-	+
PK 9		-	-	-	+	-
Air connection						
Air connection / Hose nozzle G 1/4" IG		Brass	Brass, nickel-pl.	Stainless steel		
DN 4		+	-	-		
DN 6/7		+	+	+		
DN 8/9		x	+	+		
DN 10		+	+	-		
Air connection / Rapid-fix coupling		DN 6/7	DN 8/9	G 1/4" IG		
G 1/4" IG		+	+	+		
Air connection / Coupling nipple		Material				
Swivel-action		x				
Air connection / Air control valve G 1/4" IG		with pressure gauge				
Air control valve G 1/4" AG		+				
Air connection / Fast screw connection G 1/4" IG		Brass	Brass, nickel-pl.	Stainless steel	Aluminium	PA
PK 4		+	+	+	+	-
PK 6		+	+	+	+	+
PK 8		-	+	+	-	+
Air connection / Reducing nipple G 1/4" IG		Brass				
G 1/8" AG		+				
Needle packing		Leather	PTFE / Cotton fabric	PTFE / Graphite		
		x	x	x		

Perfekt 4 Gravity feed

The modern standard spray gun Perfekt 4 is suitable for a wide range of applications. The spray gun is equipped with a fine-tune air regulator as standard to allow precision metering of the air volume. The built-in jet regulating valve allows continuous adjustment from an extremely fine circular jet to a full flat jet, and this means that the jet width can be adjusted to suit different work-pieces during the spraying process. The handy, lightweight design ensures fatigue-free operation. The main element is made of a corrosion-resistant light metal alloy and has a polished surface to facilitate the removal of material remains. The material nozzles and needles are made of stainless steel as standard but are also available in tungsten carbide, plastic etc. for special applications.

There are several options for material feed. Guns are available with material connection hose nozzles or with a range of gravity cups. There is also a wide selection of nozzles and needles of various sizes. The spray gun can naturally also be used in combination with our material feed containers, diaphragm pumps and regulators.

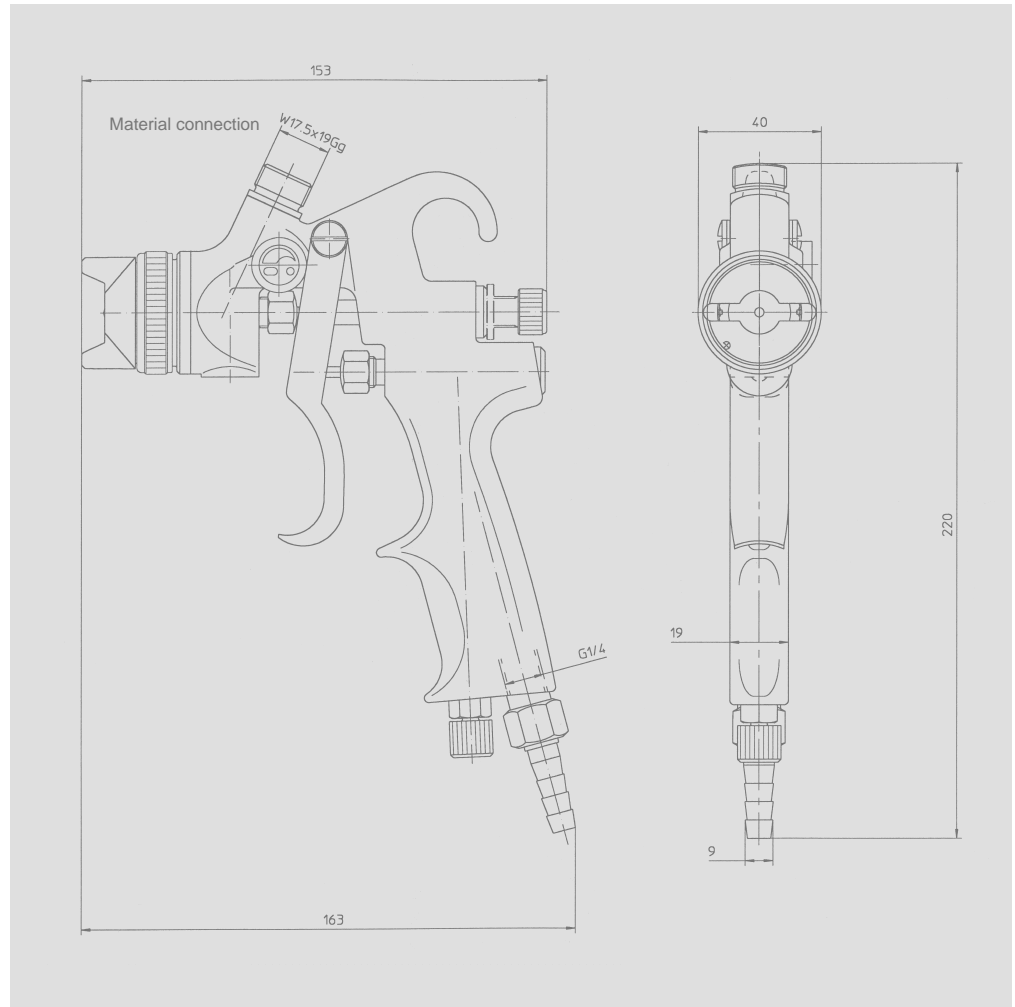
Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium (main element) and stainless

steel (material needle and nozzle) as well as brass and plastic (gaskets); the gravity cups are made of aluminium, copper or plastic.

Special accessories

Nozzle extensions: these are particularly suitable for use when coating cavities (e.g. pipes, canisters, tins or other containers). In many cases, the length and shape of the nozzle extension can be adapted to suit special customer requirements. Ready-made nozzle extensions are also available.



Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.6 MPa (6 bar)
Max. material temperature (8 hrs contin. duty): 43 °C
Max. atomiser air pressure: 1.2 MPa (12 bar)
Max. air temperature: 43 °C

Connections

Flow connection: W 17.5 x 19 AG
Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight

without material cup approx. 590 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)



	Stainless steel		Standard *											
Pistol body / Parts in contact with coating substance	+		x											
Air nozzle / brass, chemically nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Rotary jet "D"	-	-	-	-	-	-	+	-	-	-	-	-	-	-
Air nozzle / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Rotary jet "D"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Rotary jet "DK"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Rotary jet "DT"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Rotary jet "DX"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Rotary jet "DZ"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ6"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ8"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ12"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Flat / Circular "C"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Flat / Circular "DC"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Flat / Circular "DE"	-	x	x	x	x	x	x	x	-	x	x	x	-	-
Flat / Circular "E" (Standard)	x	x	x	x	x	x	x	x	-	x	x	x	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	+	-	-
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "G"	-	-	-	+	+	+	+	+	-	+	-	+	-	-
Flat / Circular "G1"	-	-	+	+	+	-	+	-	-	-	-	-	-	-
Flat / Circular "GG"	-	-	-	-	-	+	+	+	+	+	+	-	-	-
Flat / Circular "GG2"	-	-	-	-	-	+	+	+	-	-	-	-	-	-
Circular "R"	x	x	x	x	x	x	x	x	-	x	x	x	x	x
Mottle "SP"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Air nozzle / MS / PTFE-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "DC"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "DE"	-	x	+	+	+	+	+	+	-	+	+	+	-	-
Flat / Circular "E"	+	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Air nozzle / POM / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	+	+	+	+	+	+	+	-	-	-	-	-	-	-
Flat / Circular "E"	-	-	-	-	+	+	-	-	-	+	-	-	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	-	-	-	-	-	-	-
Air nozzle / Aluminium / Hard-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	-	+	+	+	-	-	-	-	-	-	-	-	-	-
Flat / Circular "F"	+	+	+	+	-	-	+	+	-	+	+	-	-	-
	</													

x no surcharge + surcharge - not available

* Aluminium / Brass / Plastic parts

[illegible]

Perfekt 4 Suction feed

The modern standard spray gun Perfekt 4 is suitable for a wide range of applications. The spray gun is equipped with a fine-tune air regulator as standard to allow precision metering of the air volume. The built-in jet regulating valve allows continuous adjustment from an extremely fine circular jet to a full flat jet, and this means that the jet width can be adjusted to suit different work-pieces during the spraying process. The handy, lightweight design ensures fatigue-free operation. The main element is made of a corrosion-resistant light metal alloy and has a polished surface to facilitate the removal of material remains. The material nozzles and needles are made of stainless steel as standard but are also available in tungsten carbide, plastic etc. for special applications.

There are several options for material feed. Guns are available with material connection hose nozzles or with a range of suction cups. There is also a wide selection of nozzles and needles of various sizes. The spray gun can naturally also be used in combination with our material feed containers, diaphragm pumps and regulators.

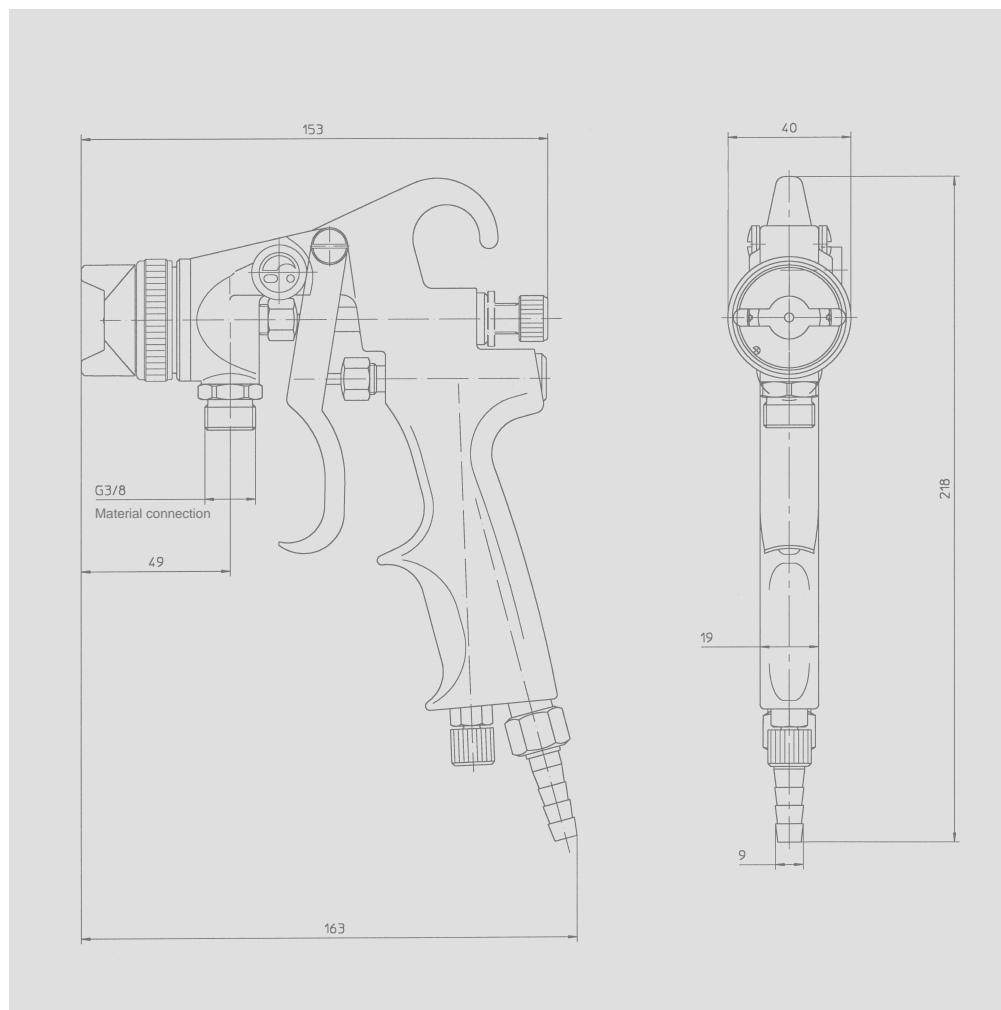
Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium (main element) and stainless

steel (material needle and nozzle) as well as brass and plastic (gaskets); the suction cups are made of aluminium, copper or plastic.

Special accessories

Nozzle extensions: these are particularly suitable for use when coating cavities (e.g. pipes, canisters, tins or other containers). In many cases, the length and shape of the nozzle extension can be adapted to suit special customer requirements. Ready-made nozzle extensions are also available.



Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.6 MPa (6 bar)
Max. material temperature (8 hrs contin. duty): 43 °C
Max. atomiser air pressure: 1.2 MPa (12 bar)
Max. air temperature: 43 °C

Connections

Suction connection: G 3/8 AG
Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight

without material cup approx. 590 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)



	Stainless steel		Standard*												
Pistol body / Parts in contact with coating substance	+	x													
Air nozzle / brass, chemically nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0	
Rotary jet "D"	-	-	-	-	-	-	+	-	-	-	-	-	-	-	
Air nozzle / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0	
Rotary jet "D"	-	x	x	x	x	x	x	x	-	x	x	x	x	x	
Rotary jet "DK"	-	+	+	+	+	+	+	+	-	+	+	+	+	+	
Rotary jet "DT"	-	-	-	-	-	+	-	-	-	+	-	-	-	-	
Rotary jet "DX"	-	+	+	+	+	+	+	+	-	+	+	+	+	+	
Rotary jet "DZ"			one size for 0.3 mm – 2.5 mm								-	-	-	-	
Rotary jet "DZ6"			one size for 0.3 mm – 2.5 mm								-	-	-	-	
Rotary jet "DZ8"			one size for 0.3 mm – 2.5 mm								-	-	-	-	
Rotary jet "DZ12"			one size for 0.3 mm – 2.5 mm								-	-	-	-	
Flat / Circular "C"	-	x	x	x	x	x	x	x	-	x	x	x	x	x	
Flat / Circular "DC"	-	x	x	x	x	x	x	x	-	x	x	x	x	x	
Flat / Circular "DE"	-	x	x	x	x	x	x	x	-	x	x	x	-	-	
Flat / Circular "E" (Standard)	x	x	x	x	x	x	x	x	-	x	x	x	-	-	
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	+	-	-	
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-	
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-	
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-	
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-	
Flat / Circular "G"	-	-	-	+	+	+	+	+	-	+	-	+	-	-	
Flat / Circular "G1"	-	-	+	+	+	-	+	-	-	-	-	-	-	-	
Flat / Circular "GG"	-	-	-	-	-	+	+	+	+	+	+	-	-	-	
Flat / Circular "GG2"	-	-	-	-	-	+	+	+	-	-	-	-	-	-	
Circular "R"	x	x	x	x	x	x	x	x	-	x	x	x	x	x	
Mottle "SP"	-	-	-	-	-	+	-	-	-	+	-	-	-	-	
Air nozzle / MS / PTFE-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0	
Flat / Circular "C"	-	+	+	+	+	+	+	+	-	+	+	+	+	+	
Flat / Circular "DC"	-	+	+	+	+	+	+	+	-	+	+	+	+	+	
Flat / Circular "DE"	-	x	+	+	+	+	+	+	-	+	+	+	-	-	
Flat / Circular "E"	+	+	+	+	+	+	+	+	-	+	+	+	+	+	
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	-	-	-	
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-	
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-	
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-	
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-	
Air nozzle / POM / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0	
Flat / Circular "C"	+	+	+	+	+	+	+	-	-	-	-	-	-	-	
Flat / Circular "E"	-	-	-	-	+	+	-	-	-	+	-	-	-	-	
Flat / Circular "F"	+	+	+	+	+	+	+	-	-	-	-	-	-	-	
Air nozzle / Aluminium / Hard-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0	
Flat / Circular "C"	-	+	+	+	-	-	-	-	-	-	-	-	-	-	
Flat / Circular "F"	+	+	+	+	-	-	+	+	-	+	+	-	-	-	
								</							

x no surcharge + surcharge - not available

* Aluminium / Brass / Plastic parts

[illegible]

Perfekt 4 pressure feed

The spray gun Perfekt 4 pressure feed is a special design for the spraying of structured or grain coatings, adhesives, plastic agents, underseal, sound-proofing agents etc.

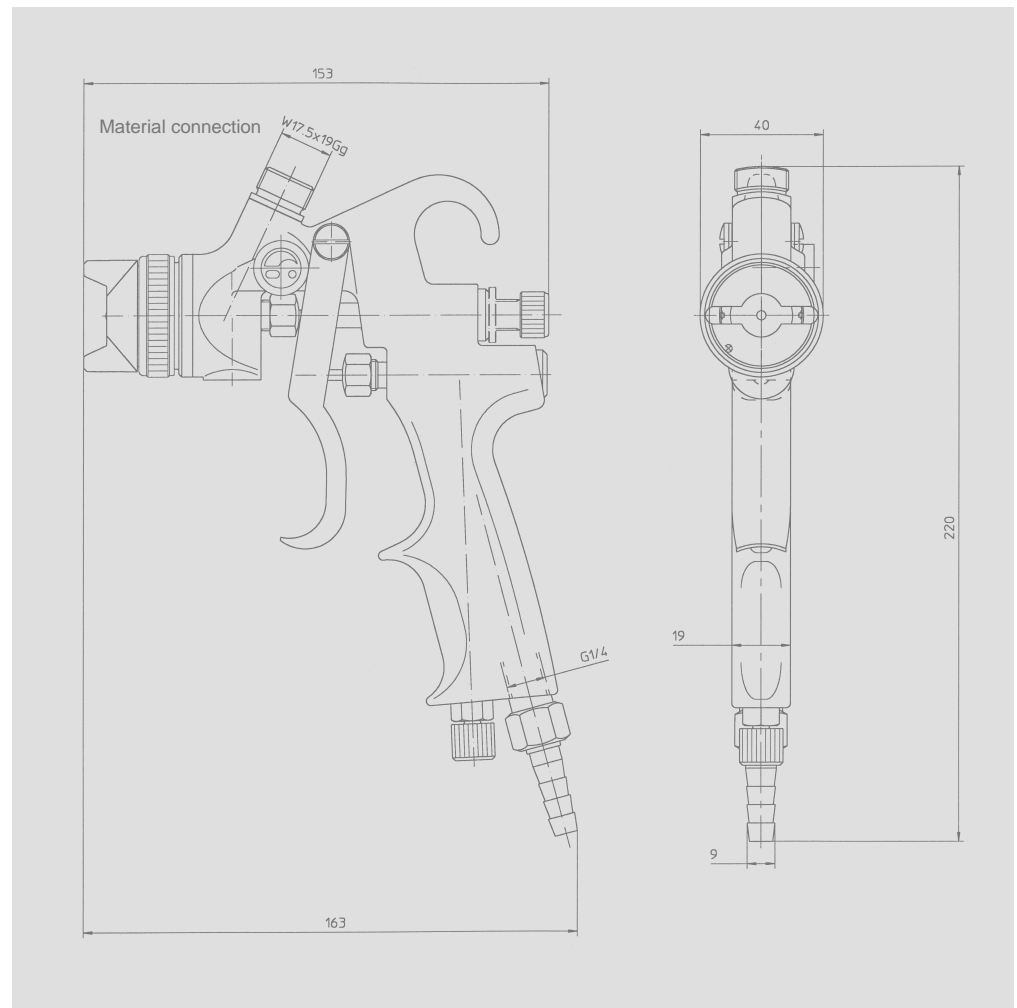
The material is pressurised in the cup to improve the flowability of these highly viscous media. The required air is dissipated in the air duct of the spray gun so that the material pressure corresponds to the atomiser air pressure (max. 4 bar).

The Perfekt 4 pressure feed spray gun works in the same way as the Perfekt equi-pressure model, but the gravity cup facilitates handling in a wide range of applications.

The Perfekt pressure feed model ideally complements the standard Perfekt spray gun, as many of the accessories, nozzle needles and material needles are identical

Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium (main element) and stainless steel (material needle and nozzle) as well as brass and plastic (gaskets); the gravity cups are made of aluminium.



Special accessories

Nozzle extensions: these are particularly suitable for use when coating cavities (e.g. pipes, canisters, tins or other containers). In many cases, the length and shape of the nozzle extension can be adapted to suit special customer requirements. Ready-made nozzle extensions are also available.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.6 MPa (6 bar)
Max. material temperature (8 hrs contin. duty): 43 °C
Max. atomiser air pressure: 1.2 MPa (12 bar)
Max. air temperature: 43 °C

Connections

Flow connection: W 17.5 x 19 AG
Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight

without material cup approx. 590 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)



	Stainless steel		Standard*												
Pistol body / Parts in contact with coating substance	+	x													
Air nozzle / brass, chemically nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0	
Rotary jet "D"	-	-	-	-	-	-	+	-	-	-	-	-	-	-	
Air nozzle / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0	
Rotary jet "D"	-	x	x	x	x	x	x	x	-	x	x	x	x	x	
Rotary jet "DK"	-	+	+	+	+	+	+	+	-	+	+	+	+	+	
Rotary jet "DT"	-	-	-	-	-	+	-	-	-	+	-	-	-	-	
Rotary jet "DX"	-	+	+	+	+	+	+	+	-	+	+	+	+	+	
Rotary jet "DZ"			one size for 0.3 mm – 2.5 mm								-	-	-	-	
Rotary jet "DZ6"			one size for 0.3 mm – 2.5 mm								-	-	-	-	
Rotary jet "DZ8"			one size for 0.3 mm – 2.5 mm								-	-	-	-	
Rotary jet "DZ12"			one size for 0.3 mm – 2.5 mm								-	-	-	-	
Flat / Circular "C"	-	x	x	x	x	x	x	x	-	x	x	x	x	x	
Flat / Circular "DC"	-	x	x	x	x	x	x	x	-	x	x	x	x	x	
Flat / Circular "DE"	-	x	x	x	x	x	x	x	-	x	x	x	-	-	
Flat / Circular "E"	x	x	x	x	x	x	x	x	-	x	x	x	-	-	
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	+	-	-	
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-	
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-	
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-	
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-	
Flat / Circular "G"	-	-	-	+	+	+	+	+	-	+	-	+	-	-	
Flat / Circular "G1"	-	-	+	+	+	-	+	-	-	-	-	-	-	-	
Flat / Circular "GG"	-	-	-	-	-	+	+	+	+	+	+	-	-	-	
Flat / Circular "GG2"	-	-	-	-	-	+	+	+	-	-	-	-	-	-	
Circular "R"	x	x	x	x	x	x	x	x	-	x	x	x	x	x	
Mottle "SP"	-	-	-	-	-	+	-	-	-	+	-	-	-	-	
Air nozzle / MS / PTFE-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0	
Flat / Circular "C"	-	+	+	+	+	+	+	+	-	+	+	+	+	+	
Flat / Circular "DC"	-	+	+	+	+	+	+	+	-	+	+	+	+	+	
Flat / Circular "DE"	-	x	+	+	+	+	+	+	-	+	+	+	-	-	
Flat / Circular "E"	+	+	+	+	+	+	+	+	-	+	+	+	+	+	
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	+	-	-	
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-	
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-	
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-	
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-	
Air nozzle / POM / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0	
Flat / Circular "C"	+	+	+	+	+	+	+	-	-	-	-	-	-	-	
Flat / Circular "E"	-	-	-	-	+	+	-	-	-	+	-	-	-	-	
Flat / Circular "F"	+	+	+	+	+	+	+	-	-	-	-	-	-	-	
Air nozzle / Aluminium / Hard-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0	
Flat / Circular "C"	-	+	+	+	-	-	-	-	-	-	-	-	-	-	
Flat / Circular "F"	+	+	+	+	-	-	+	+	-	+	+	-	-	-	
		</													

x no surcharge + surcharge - not available

* Aluminium / Brass / Plastic parts

[illegible]

Perfekt 4 equi-pressure

The spray gun Perfekt 4 equi-pressure is a special design for the spraying of structured or grain coatings, adhesives, plastic agents, underseal, sound-proofing agents etc.

The material is pressurised in the cup to improve the flowability of these highly viscous media. The required air is dissipated in the air duct of the spray gun so that the material pressure corresponds to the atomiser air pressure (max. 4 bar).

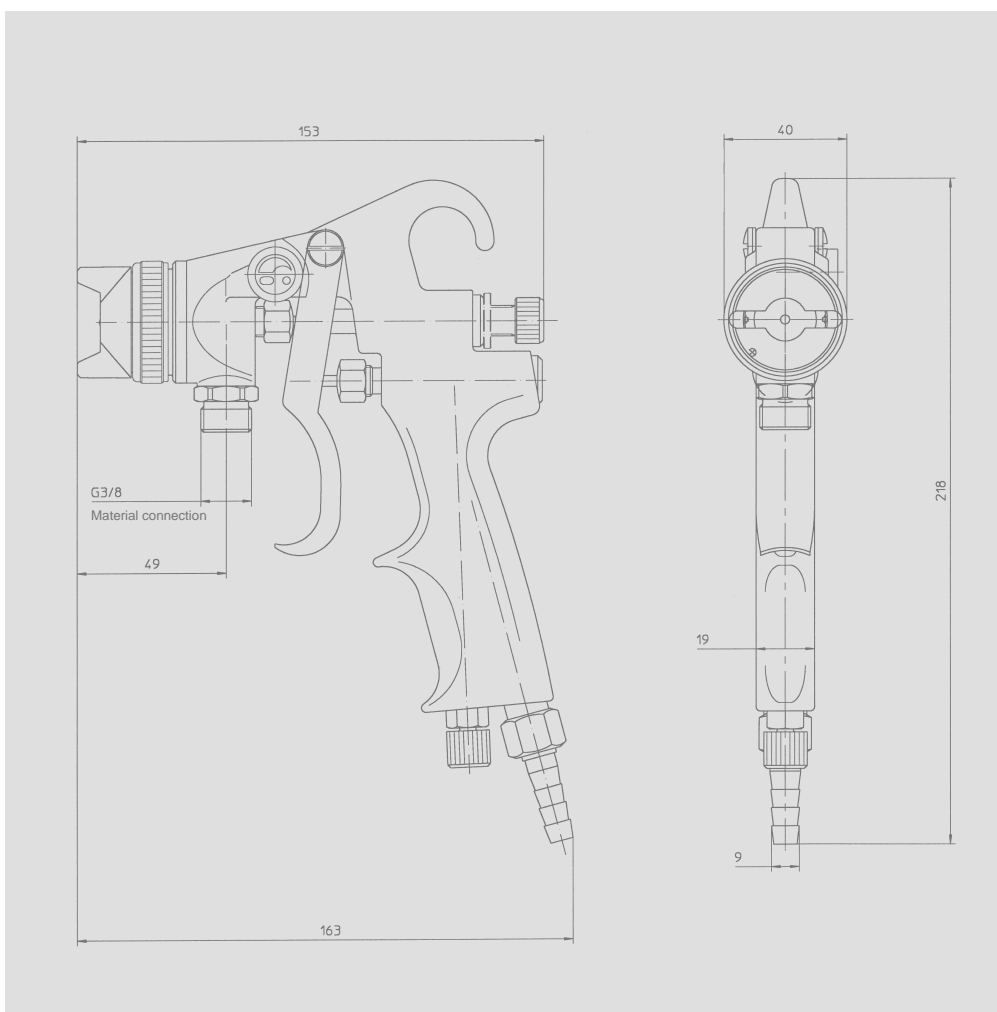
The Perfekt equi-pressure model ideally complements the standard Perfekt spray gun, as many of the accessories, nozzle needles and material needles are identical

Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium (main element) and stainless steel (material needle and nozzle) as well as brass and plastic (gaskets); the suction cups are made of aluminium.

Special accessories

Nozzle extensions: these are particularly suitable for use when coating cavities (e.g. pipes, canisters, tins or other containers). In many cases, the length and shape of the nozzle extension can be adapted to suit special customer requirements. Ready-made nozzle extensions are also available.



Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.6 MPa (6 bar)
Max. material temperature (8 hrs contin. duty): 43 °C
Max. atomiser air pressure: 1.2 MPa (12 bar)
Max. air temperature: 43 °C

Connections

Suction connection: G3/8 AG
Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight

without material cup approx. 570 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)

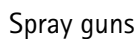


	Stainless steel		Standard *											
Pistol body / Parts in contact with coating substance	+		x											
Air nozzle / brass, chemically nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Rotary jet "D"	-	-	-	-	-	-	+	-	-	-	-	-	-	-
Air nozzle / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Rotary jet "D"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Rotary jet "DK"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Rotary jet "DT"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Rotary jet "DX"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Rotary jet "DZ"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ6"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ8"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Rotary jet "DZ12"			one size for 0.3 mm – 2.5 mm								-	-	-	-
Flat / Circular "C"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Flat / Circular "DC"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Flat / Circular "DE"	-	x	x	x	x	x	x	x	-	x	x	x	-	-
Flat / Circular "E"	x	x	x	x	x	x	x	x	-	x	x	x	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	+	-	-
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "G"	-	-	-	+	+	+	+	+	-	+	-	+	-	-
Flat / Circular "G1"	-	-	+	+	+	-	+	-	-	-	-	-	-	-
Flat / Circular "GG"	-	-	-	-	-	+	+	+	+	+	+	-	-	-
Flat / Circular "GG2"	-	-	-	-	-	+	+	+	-	-	-	-	-	-
Circular "R"	x	x	x	x	x	x	x	x	-	x	x	x	x	x
Mottle "SP"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Air nozzle / MS / PTFE-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "DC"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "DE"	-	x	+	+	+	+	+	+	-	+	+	+	-	-
Flat / Circular "E"	+	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Air nozzle / POM / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	+	+	+	+	+	+	+	-	-	-	-	-	-	-
Flat / Circular "E"	-	-	-	-	+	+	-	-	-	+	-	-	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	-	-	-	-	-	-	-
Air nozzle / Aluminium / Hard-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	-	+	+	+	-	-	-	-	-	-	-	-	-	-
Flat / Circular "F"	+	+	+	+	-	-	+	+	-	+	+	-	-	-

x no surcharge + surcharge - not available

* Aluminium / Brass / Plastic parts

1 | 1.1.2.4. 3



Hand-held spray guns

Compression air
atomisation

Perfekt 4

Equi-pressure
Order no. 0500-200-0130

x no surcharge + surcharge - not available

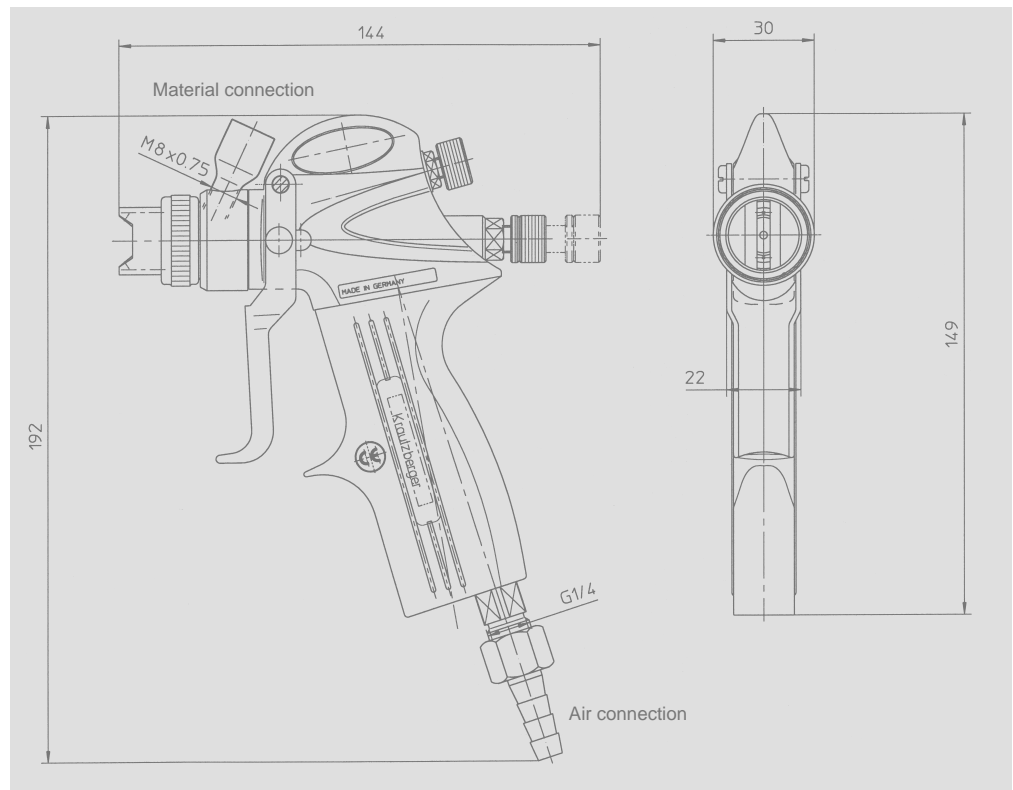
Mignon 3 Gravity feed

The Mignon 3 is a high-performance all-round spray gun meeting the highest standards. The ergonomically shaped handle is made of a lightweight, solvent-resistant plastic. The main element is made of surface-finished, forged aluminium.

One of the special features of the Mignon 3 is the detachable head section of the gun. This section is made of aluminium and is also available in stainless steel design on request. This version is designed for use with water borne paints.

Material volume regulation via the needle stroke adjuster with lock nut permits fine, stepless adjustment. The separate stepless flat jet regulator is mounted on the rear of the pistol and therefore ideal for use by both right-handed and left-handed operators.

The material nozzle system is made of stainless steel. The generously dimensioned air ducts ensure improved air distribution and optimum spraying characteristics.



Dimensions	133 x 30 x 165 mm (length x width x height) Without cup and air connection nipple		
Weight	435 g incl. 250 ml aluminium materialcup		
Air consumption	Air pressure	Circular jet	Circular + flat jet (measured with DN6 hose)
	3 bar	225 NI/min	300 NI/min
	4 bar	280 NI/min	380 NI/min
	5 bar	335 NI/min	465 NI/min

Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium or stainless steel (head section) and stainless steel (material needle and nozzle) as well as brass and plastic (gaskets); the gravity cups are made of aluminium, copper or plastic.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.4 MPa (4 bar)
 Max. material temperature (8 hrs contin. duty): 43 °C
 Max. atomiser air pressure: 0.6 MPa (6 bar)
 Max. air temperature: 43 °C

Connections

Flow connection: M 12 x 1.5 IG
 Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight

without material cup approx. 350 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)

Special accessories

Nozzle extensions: these are particularly suitable for use when coating cavities (e.g. pipes, canisters, tins or other containers).



	Stainless steel		Aluminium									
Pistol body / Parts in contact with coating substance	+		x									
Air nozzle / Brass, nickel-plated / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Rotary jet "D"	-	-	-	-	-	x	x	x	x	x	x	x
Flat / Circular	-	x	-	x	x	x	x	x	x	x	-	-
Flat / Circular "B"	-	+	-	+	+	+	+	+	-	-	-	-
Flat / Circular "BE"	-	-	-	-	+	-	-	-	-	-	-	-
Flat / Circular "DC"	-	-	-	-	-	-	-	x	-	-	-	-
Flat / Circular "MC" (Standard)	-	x	-	x	x	x	x	x	x	x	-	-
Flat / Circular "S"	-	-	-	-	-	-	-	-	-	x	-	-
Flat / Circular "T"	-	x	-	x	x	-	x	-	-	-	-	-
High-cone rotary jet	+	+	+	+	+	+	+	+	+	+	+	+
Circular jet "R"	-	x	-	x	x	x	x	x	x	x	x	x
Full-cone rotary jet	+	+	+	+	+	+	+	+	+	+	+	+
Full-cone rotary jet VD 6	x	x	x	x	x	x	x	x	x	x	x	x
Full-cone rotary jet VD 8	x	x	x	x	x	x	x	x	x	x	x	x
Air nozzle / Stainless steel / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Circular jet "R"	-	+	-	+	+	+	+	+	+	+	+	+
Material nozzle / Stainless steel / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Rotary jet "D"	-	-	-	-	-	x	x	x	x	x	x	x
Rotary jet "HD"	-	+	-	+	+	+	-	-	-	-	-	-
Rotary jet "VD"	+	+	-	+	-	+	+	+	+	+	-	-
Flat / Circular "FL" (Standard)	x	x	-	x	x	x	x	x	x	x	x	-
Circular jet "R"	x	x	x	x	x	x	x	x	x	x	x	x
Material nozzle / Stainless steel, hardened / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Rotary jet "D"	-	-	-	-	-	+	+	+	+	+	+	+
Flat / Circular "FL"	x	+	-	+	x	+	+	+	+	+	-	-
Circular jet "R"	+	+	-	+	-	+	+	+	+	+	-	-
Material nozzle / POM / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Circular jet "R"	-	-	-	-	-	-	+	-	-	-	-	-
Material needle / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Stainless steel (Standard)	x	x	-	x	x	x	x	x	x	x	x	x
Hardened	+	+	-	+	+	+	+	+	+	+	-	-
With protruding needle	-	-	-	+	+	+	+	+	+	+	-	-

x no surcharge + surcharge - not available

* Aluminium / Brass / Plastic parts



Material connection						
Cup	Copper, nickel-pl.	Plastic	Aluminium			
Cup 65 ml	+	+	-			
Cup 120 ml	-	-	+			
Cup 125 ml	-	+	-			
Cup 250 ml	-	-	+			
Cup 300 ml	-	+	-			
Air connection						
Hose nozzle	Brass	Brass, nickel-pl.	Stainless steel			
DN 6/7 with union nut G1/4" IG	+	+	+			
DN 8/9 with union nut G1/4" IG	+	x	+			
Rapid-fix coupling	DN 6/7	DN 8/9	G 1/4" IG			
Size 9 G 1/4" IG	+	-	-			
Size 11 G 1/4" IG	+	+	+			
Air control valve with pressure gauge and union nut	G 1/4" IG					
Air control valve	+					
Fast screw connection	Brass	Brass, nickel-pl.	Stainless steel	Aluminium	PA	
PK 6	+	+	+	+	+	
PK 8	-	+	+	-	+	
Reducing nipple	G 1/8" AG					
G 1/4" IG	+					
Needle packing	PTFE / Ekonol	UHMW	Viton			
	x	x	x			
x no surcharge + surcharge - not available						

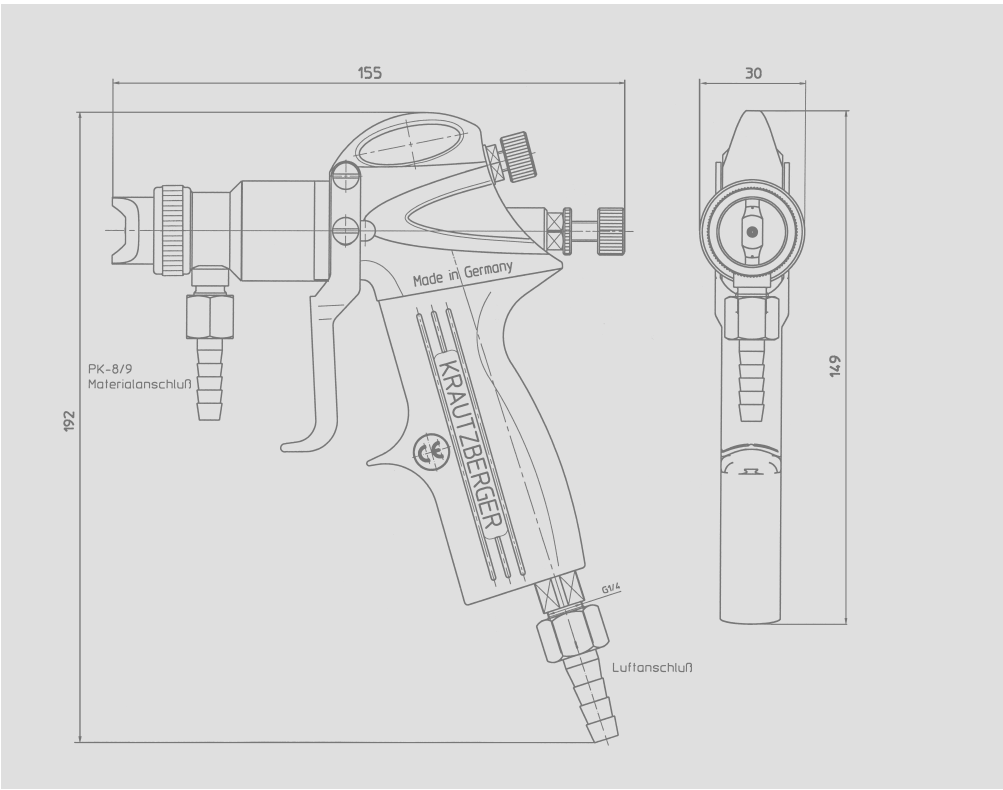
Mignon 3 Suction feed

The Mignon 3 is a high-performance all-round spray gun meeting the highest standards. The ergonomically shaped handle is made of a lightweight, solvent-resistant plastic. The main element is made of surface-finished, forged aluminium.

One of the special features of the Mignon 3 is the detachable head section of the gun. This section is made of stainless steel and is also available in aluminium design on request. This version is designed for use with water borne paints.

Material volume regulation via the needle stroke adjuster with lock nut permits fine, stepless adjustment. The separate stepless flat jet regulator is mounted on the rear of the pistol and therefore ideal for use by both right-handed and left-handed operators.

The material nozzle system is made of stainless steel. The generously dimensioned air ducts ensure improved air distribution and optimum spraying characteristics.



Dimensions	155 x 30 x 165 mm (length x width x height) Without cup and air connection nipple		
Weight	435 g incl. 250 ml aluminium materialcup		
Air consumption	Air pressure	Circular jet	Circular + flat jet (measured with DN6 hose)
	3 bar	225 NI/min	300 NI/min
	4 bar	280 NI/min	380 NI/min
	5 bar	335 NI/min	465 NI/min

Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium or stainless steel (head section) and stainless steel (material needle and nozzle) as well as brass and plastic (gaskets); the gravity cups are made of aluminium, copper or plastic.

Technical data

Operating pressures / Operating temperature
 Max. material pressure: 0.4 MPa (4 bar)
 Max. material temperature (8 hrs contin. duty): 43 °C
 Max. atomiser air pressure: 0.6 MPa (6 bar)
 Max. air temperature: 43 °C

Connections
 Flow connection: M 12 x 1.5 IG
 Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight
 without material cup approx. 350 g

Noise emission
 Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)

Special accessories

Nozzle extensions: these are particularly suitable for use when coating cavities (e.g. pipes, canisters, tins or other containers).



	Stainless steel		Aluminium									
Pistol body / Parts in contact with coating substance	+		x									
Air nozzle / Brass, nickel-plated / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Rotary jet "D"	-	-	-	-	-	x	x	x	x	x	x	x
Flat / Circular	-	x	-	x	x	x	x	x	x	x	-	-
Flat / Circular "B"	-	+	-	+	+	+	+	+	-	-	-	-
Flat / Circular "BE"	-	-	-	-	+	-	-	-	-	-	-	-
Flat / Circular "DC"	-	-	-	-	-	-	-	x	-	-	-	-
Flat / Circular "MC" (Standard)	-	x	-	x	x	x	x	x	x	x	-	-
Flat / Circular "S"	-	-	-	-	-	-	-	-	-	x	-	-
Flat / Circular "T"	-	x	-	x	x	-	x	-	-	-	-	-
High-cone rotary jet	+	+	+	+	+	+	+	+	+	+	+	+
Circular jet "R"	-	x	-	x	x	x	x	x	x	x	x	x
Full-cone rotary jet	+	+	+	+	+	+	+	+	+	+	+	+
Full-cone rotary jet VD 6	x	x	x	x	x	x	x	x	x	x	x	x
Full-cone rotary jet VD 8	x	x	x	x	x	x	x	x	x	x	x	x
Air nozzle / Stainless steel / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Circular jet "R"	-	+	-	+	+	+	+	+	+	+	+	+
Material nozzle / Stainless steel / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Rotary jet "D"	-	-	-	-	-	x	x	x	x	x	x	x
Rotary jet "HD"	-	+	-	+	+	+	-	-	-	-	-	-
Rotary jet "VD"	+	+	-	+	-	+	+	+	+	+	-	-
Flat / Circular "FL" (Standard)	x	x	-	x	x	x	x	x	x	x	x	-
Circular jet "R"	x	x	x	x	x	x	x	x	x	x	x	x
Material nozzle / Stainless steel, hardened / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Rotary jet "D"	-	-	-	-	-	+	+	+	+	+	+	+
Flat / Circular "FL"	x	+	-	+	x	+	+	+	+	+	-	-
Circular jet "R"	+	+	-	+	-	+	+	+	+	+	-	-
Material nozzle / POM / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Circular jet "R"	-	-	-	-	-	-	+	-	-	-	-	-
Material needle / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Stainless steel (Standard)	x	x	-	x	x	x	x	x	x	x	x	x

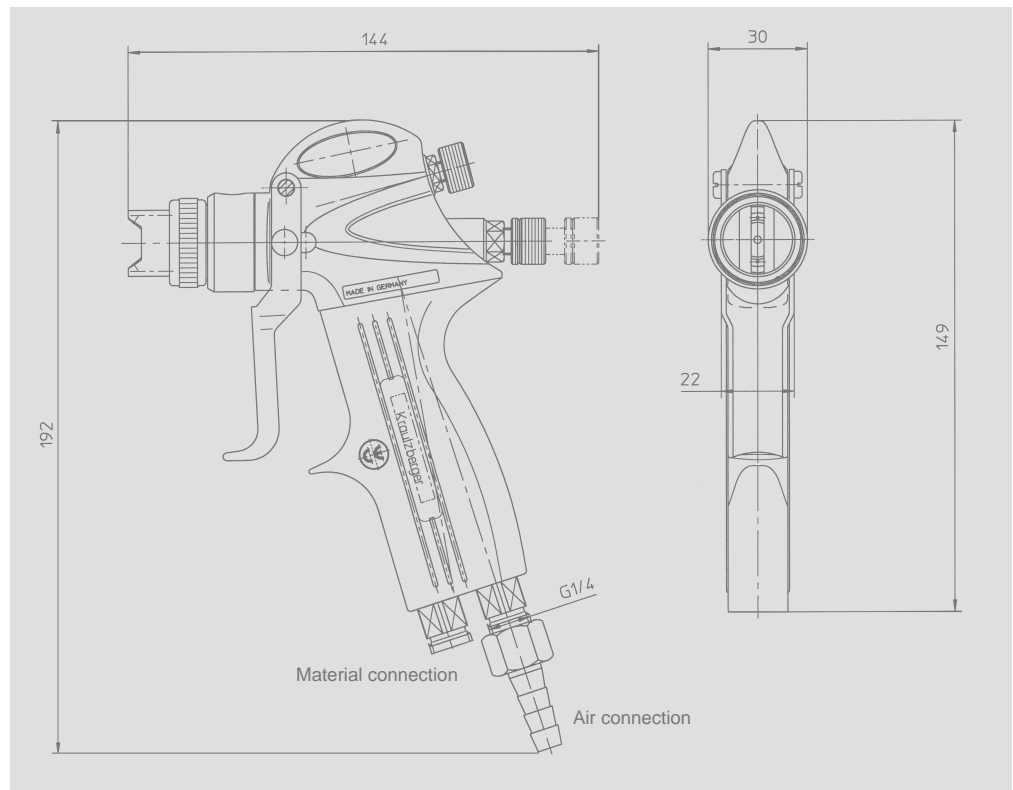
Mignon 3 Material feed in gun handle

The Mignon 3 is a high-performance all-round spray gun meeting the highest standards. The ergonomically shaped handle is made of a lightweight, solvent-resistant plastic. The main element is made of surface-finished, forged aluminium.

One of the special features of the Mignon 3 is the detachable head section of the gun. This section is made of aluminium and is also available in stainless steel design on request. This version is designed for use with water borne paints.

With this version, the material feed is via the handle; there is therefore no material feed hose at the front of the gun, and this improves handling and also ensures fatigue-free operation.

Material volume regulation via the needle stroke adjuster with lock nut permits fine, stepless adjustment. The separate stepless flat jet regulator is mounted on the rear of the pistol and therefore ideal for use by both right-handed and left-handed operators. The material nozzle system is made of stainless steel. The generously dimensioned air ducts ensure improved air distribution and optimum spraying characteristics.



Dimensions	133 x 30 x 165 mm (length x width x height) Without cup and air connection nipple		
Weight	350 g		
Air consumption	Air pressure	Circular jet	Circular + flat jet (measured with DN6 hose)
	3 bar	225 NI/min	300 NI/min
	4 bar	280 NI/min	380 NI/min
	5 bar	335 NI/min	465 NI/min

Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium or stainless steel (head section) and stainless steel (material needle and nozzle) as well as brass and plastic (gaskets).

Special accessories

Nozzle extensions: these are particularly suitable for use when coating cavities (e.g. pipes, canisters, tins or other containers).

Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.4 MPa (4 bar)
 Max. material temperature (8 hrs contin. duty): 43 °C
 Max. atomiser air pressure: 0.6 MPa (6 bar)
 Max. air temperature: 43 °C

Connections

Material connection in handle: G1/4 AG
 Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight

without material cup approx. 350 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)

	Stainless steel		Aluminium									
Pistol body / Parts in contact with coating substance	+	x										
Air nozzle / Brass, nickel-plated / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Rotary jet "D"	-	-	-	-	-	x	x	x	x	x	x	x
Flat / Circular	-	x	-	x	x	x	x	x	x	x	-	-
Flat / Circular "B"	-	+	-	+	+	+	+	+	-	-	-	-
Flat / Circular "BE"	-	-	-	-	+	-	-	-	-	-	-	-
Flat / Circular "DC"	-	-	-	-	-	-	-	x	-	-	-	-
Flat / Circular "MC" (Standard)	-	x	-	x	x	x	x	x	x	x	-	-
Flat / Circular "S"	-	-	-	-	-	-	-	-	-	x	-	-
Flat / Circular "T"	-	x	-	x	x	-	x	-	-	-	-	-
Hollow-cone rotary jet	+	+	+	+	+	+	+	+	+	+	+	+
Circular jet "R"	-	x	-	x	x	x	x	x	x	x	x	x
Full-cone rotary jet	+	+	+	+	+	+	+	+	+	+	+	+
Full-cone rotary jet VD 6	x	x	x	x	x	x	x	x	x	x	x	x
Full-cone rotary jet VD 8	x	x	x	x	x	x	x	x	x	x	x	x
Air nozzle / Stainless steel / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Circular jet "R"	-	+	-	+	+	+	+	+	+	+	+	+
Material nozzle / Stainless steel / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Rotary jet "D"	-	-	-	-	-	x	x	x	x	x	x	x
Rotary jet "HD"	-	+	-	+	+	+	-	-	-	-	-	-
Rotary jet "VD"	+	+	-	+	-	+	+	+	+	+	-	-
Flat / Circular "FL" (Standard)	x	x	-	x	x	x	x	x	x	x	x	-
Circular jet "R"	x	x	x	x	x	x	x	x	x	x	x	x
Material nozzle / Stainless steel, hardened / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Rotary jet "D"	-	-	-	-	-	+	+	+	+	+	+	+
Flat / Circular "FL"	x	+	-	+	x	+	+	+	+	+	-	-
Circular jet "R"	+	+	-	+	-	+	+	+	+	+	-	-
Material nozzle / POM / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Circular jet "R"	-	-	-	-	-	-	+	-	-	-	-	-
Material needle / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Stainless steel (Standard)	x	x	-	x	x	x	x	x	x	x	x	x
Hardened	+	+	-	+	+	+	+	+	+	+	-	-
With protruding needle	-	-	-	+	+	+	+	+	+	+	-	-
x no surcharae + surcharae - not available												



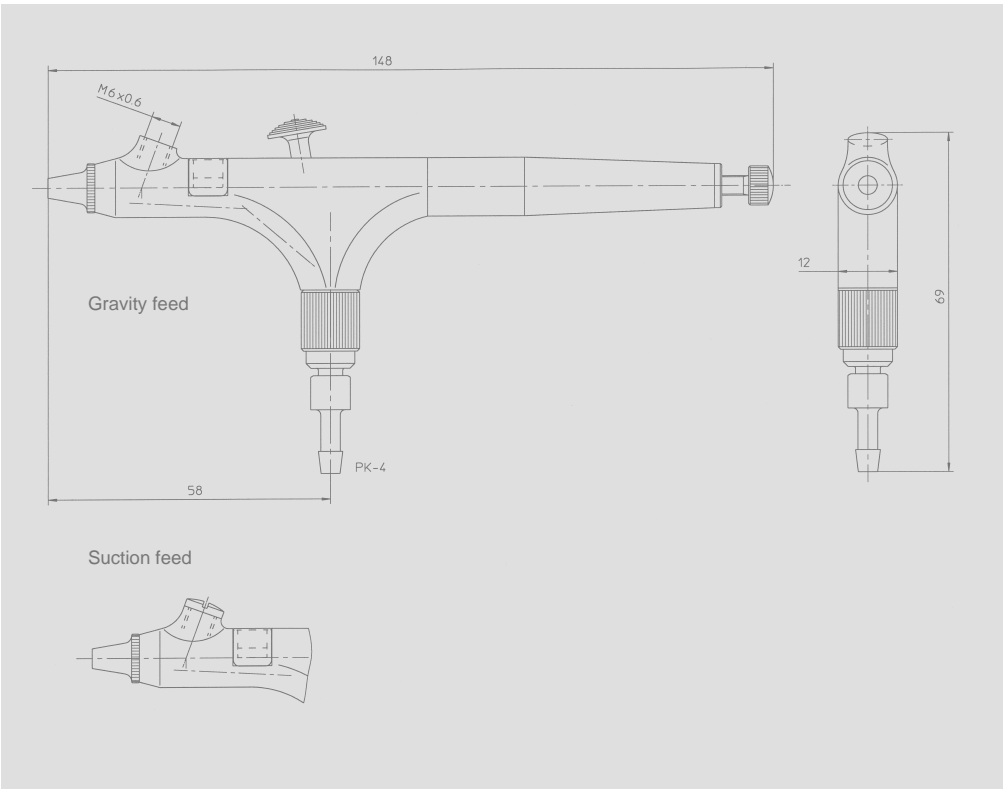
Dekor

The Dekor airbrush is specifically designed for precision spraying work and is therefore also ideal for retouching, colouring, stencilling, technical illustrations and decorative painting in the ceramics and toy industry.

Depending on requirements, the Dekor model is available with two different material feed systems (suction cup or gravity cup). The relatively large suction cup is suitable for spraying larger surfaces. It is mounted on the side of the gun and can therefore be changed easily and rapidly. When performing precision painting work, however, the size of the suction cup can prove to be a hindrance. The gravity cap (screwed onto the top of the gun) is smaller and ensures easier handling.

The Dekor model has a single action trigger-lever function that regulates the air and material volumes in a fixed ratio. It is, however, also possible to adjust material feed by turning the stop screw.

During production, the Dekor is subject to stringent quality control procedures. Each part is precision-tested to ensure a finely distributed, uniform spray profile. The most important factors in this respect include the properties of the needle point and the nozzle opening. As the nozzle tip often measures only a few hundredths of a millimetre, checks are carried out using a microscope.



Dekor, gravity feed	Available nozzle sizes	0.15	0.20	0.30	0.50	0.80
Order no. 1121-200-0203		x	x	x	x	x
	Gravity cup, type Uni	without	1 ml	3 ml	10 ml	40 ml
	Aluminium	x	+	+	+	+
Dekor set, gravity feed	consisting of 1 gun, with 1 cup each 1 ml, 3ml, 10 ml					
Order no. 1121-200-0127	1 bend 45°, tool, high-quality wooden box, total of 3 nozzle sets (as desired), one of which is works-fitted					
	Available nozzle sizes	0.15	0.20	0.30	0.50	0.80
		x	x	x	x	x
Dekor suction feed	Available nozzle sizes	0.15	0.20	0.30	0.50	0.80
Order no. 1121-200-0204		x	x	x	x	x
	Suction cup	without	20 ml			
	Glass	x	+			
Dekor set, suction feed	consisting of 1 gun, with 3 cups 20 ml each, tool, high-quality wooden box, total of 3 nozzle sets (as desired), one of which is works-fitted					
Order no. 1121-200-0128						
	Available nozzle sizes	0.15	0.20	0.30	0.50	0.80
		x	x	x	x	x
x no surcharge + surcharge - not available						



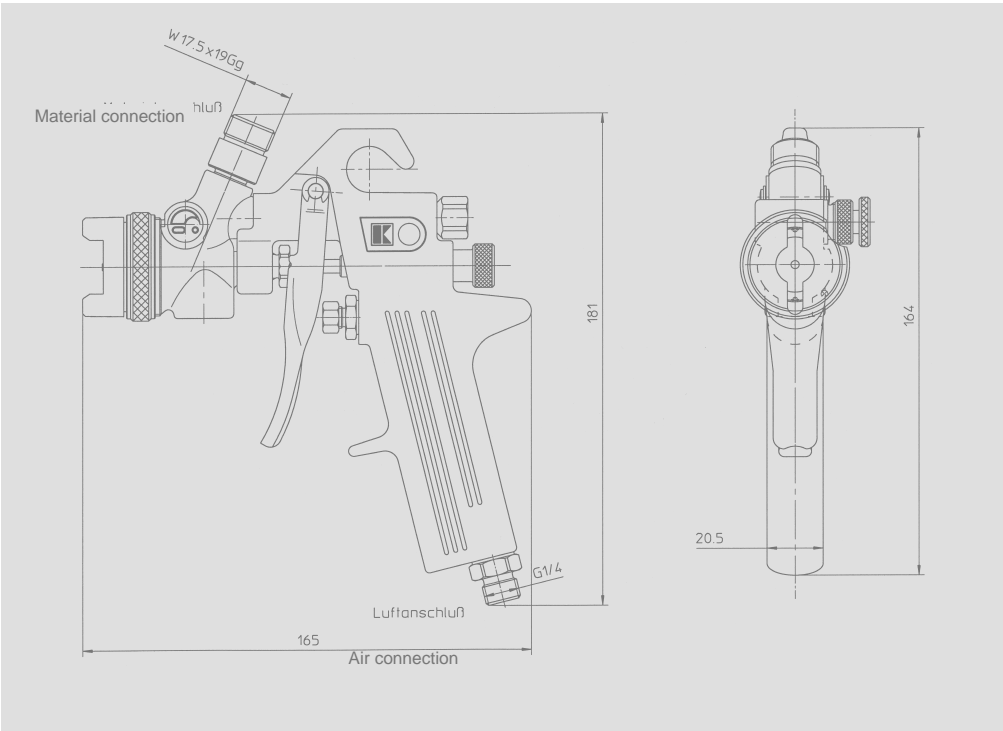
SM 901 gravity feed
Order no. 0312-000

The SM 901 spray gun is a competitively priced and sturdy spray gun for elementary painting work. It is particularly suitable for the spraying of primer coats.

The detachable spraying head is equipped with a steplessly adjustable flat-circular jet regulator.

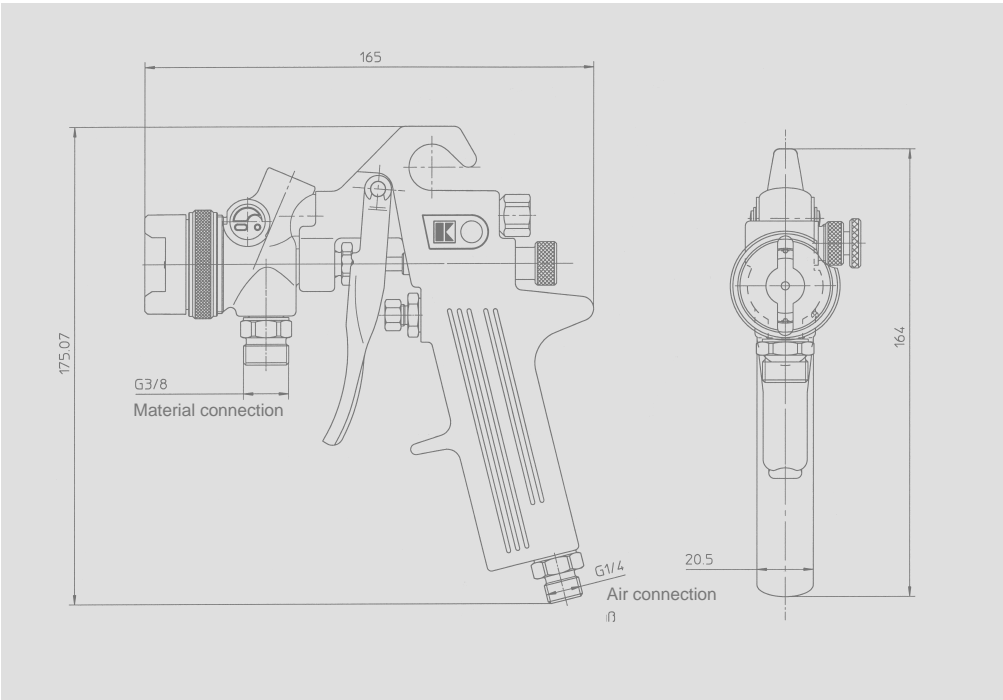
On request, nozzle and needle are available in high-grade stainless steel at a surcharge.

The Krautzberger programme also contains a variety of gravity cups.



SM 901 suction feed
Order no. 0313-000

A 1000 ml aluminium suction cup is available for use with the SM 901.



Available nozzle sizes, dia. in mm						
1.0	1.4	1.6	1.8	2.2	2.8	

Technical data

Weight: approx. 600 g (without cup)
Operating pressure: max. 0.6 MPa (6 bar)
Temperature application range: 10 – 50 °C



1



2



3

- ❶ HS 25 HV1, pressure feed
- ❷ HS 25 HV1 with lower suction cup
- ❸ HS 25 HV3 with lower material connection
- ❹ Mignon 3 HV3 with gravity feed cup



4

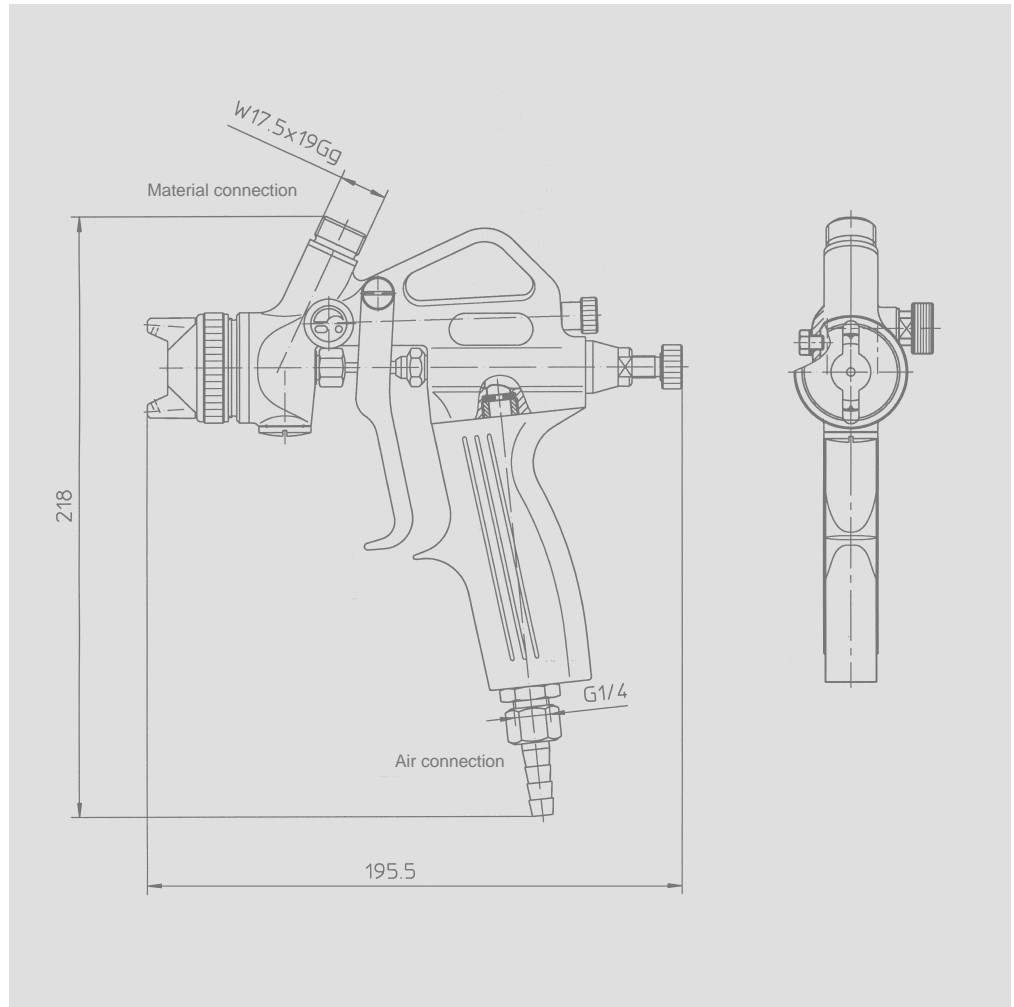
HS 25 HV1 Gravity feed

This spray gun is the HVLP version of the HS 25 spray gun.

In this model, a special throttle system ensures low-mist spraying operations.

This high-performance spray gun is suitable for use with a wide range of media. The spray gun is equipped with a fine-tune air regulator as standard to allow precision metering of the air volume. The built-in jet regulating valve allows continuous adjustment from an extremely fine circular jet to a full flat jet, and this means that the jet width can be adjusted to suit different workpieces during the spraying process. The handy, well-balanced design ensures fatigue-free operation. The integrated plastic handle is also an advantage during continuous use, as it prevents the highly cooled compressed air from chilling the surface of the handle. The main element is made of an anodised, corrosion-resistant light metal alloy. The material nozzles and needles are made of stainless steel as standard but are also available in tungsten carbide, plastic etc. for special applications.

There are several options for material feed. Guns are available with material connection hose nozzles or with a range of gravity cups. There is also a wide selection of nozzles and needles of various sizes. The spray gun can naturally also be used in combination with our material feed containers, diaphragm pumps and regulators.



Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium (housing) and stainless steel (material needle and nozzle) as well as brass and plastic (gaskets).

The gravity cups are made of aluminium.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.4 MPa (4 bar)
Max. material temperature (8 hrs contin. duty): 50 °C
Max. atomiser air pressure: 0.4 MPa (4 bar)
Max. air temperature: 50 °C

Connections

Flow connection: W 17.5 x 19 AG
Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight

without material cup approx. 570 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)



	Stainless steel			Standard*							
Pistol body / Parts in contact with coating substance	+			x							
				SIZE I				SIZE II			
Air nozzle / Al, anodised / mm				0.3 to 1.8				2.0 to 2.5			
Flat / Circular HV1				x				-			
Air nozzle / brass, nickel-plated / mm				0.3 to 1.8				2.0 to 2.5			
Flat / Circular HV1 (Standard)				x				x			
Air nozzle / brass, PTFE / mm				0.3 to 1.8				2.0 to 2.5			
Flat / Circular HV1				+				+			
Air nozzle / tungsten carbide / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2,0	2.2	2.5	
Flat / Circular HV1	-	-	-	-	x	x	x	x	-	x	
Material nozzle / HVLP / stainless steel / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2,0	2.2	2.5	
Flat / Circular HV1 (Standard)	x	x	x	x	x	x	x	x	-	x	
Material nozzle / HVLP / stainless steel / hardened / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2,0	2.2	2.5	
Flat / Circular HV1	+	+	+	+	+	+	+	+	-	+	
Material nozzle / HVLP / tungsten carbide / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2,0	2.2	2.5	
Flat / Circular HV1	-	-	-	-	+	+	+	+	-	+	
Material needle / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2,0	2.2	2.5	
Stainless steel (Standard)	x	x	x	x	x	x	x	x	x	x	
Stainless steel / hardened	+	+	+	+	+	+	+	+	+	+	
Stainless steel / hard chrome-plated	+	+	+	+	+	+	+	+	-	+	
Tungsten carbide	-	-	-	-	+	+	+	+	+	+	
Plastic	+	+	+	+	+	+	+	+	+	+	
Stainless steel / protruding needle	-	+	+	+	+	+	+	+	-	+	
Material connection / gravity cup	Aluminium			Aluminium, with pressure regulator							
250 ml	+			+							
500 ml	+			+							
750 ml	+			+							
Material connection / Hose nozzle with union nut W17.5 x 19 Gg IG	Brass			Brass, nickel-pl.			Stainless steel		Plastic		
DN 6/7	+			+			-		-		
DN 8/9	+			+			+		+		
DN 10/11	+			-			+		-		
Material connection / Bend with union nut	W 17.5 x 19 Gg IG										
Bend, W17.5 x 19 Gg AG	+										
Material connection / Fast screw connection with union nut W17.5 x 19 Gg IG	Brass			Brass, nickel-pl.							
PK 6 G 3/8" IG	-			+							
Air connection/Hose nozzle with union nut G1/4" IG	Brass			Brass, nickel-pl.			Stainless steel				
DN 4	+			-			-				
DN 6/7	+			+			+				
DN 8/9	x			+			+				
DN 10	+			+			-				
Air connection / Rapid-fix coupling	DN 6/7			DN 8/9			G 1/4" IG				
G 1/4" IG	+			+			+				
x no surcharae + surcharae - not available											

x no surcharge + surcharge - not available

* Aluminium / Brass / Plastic parts

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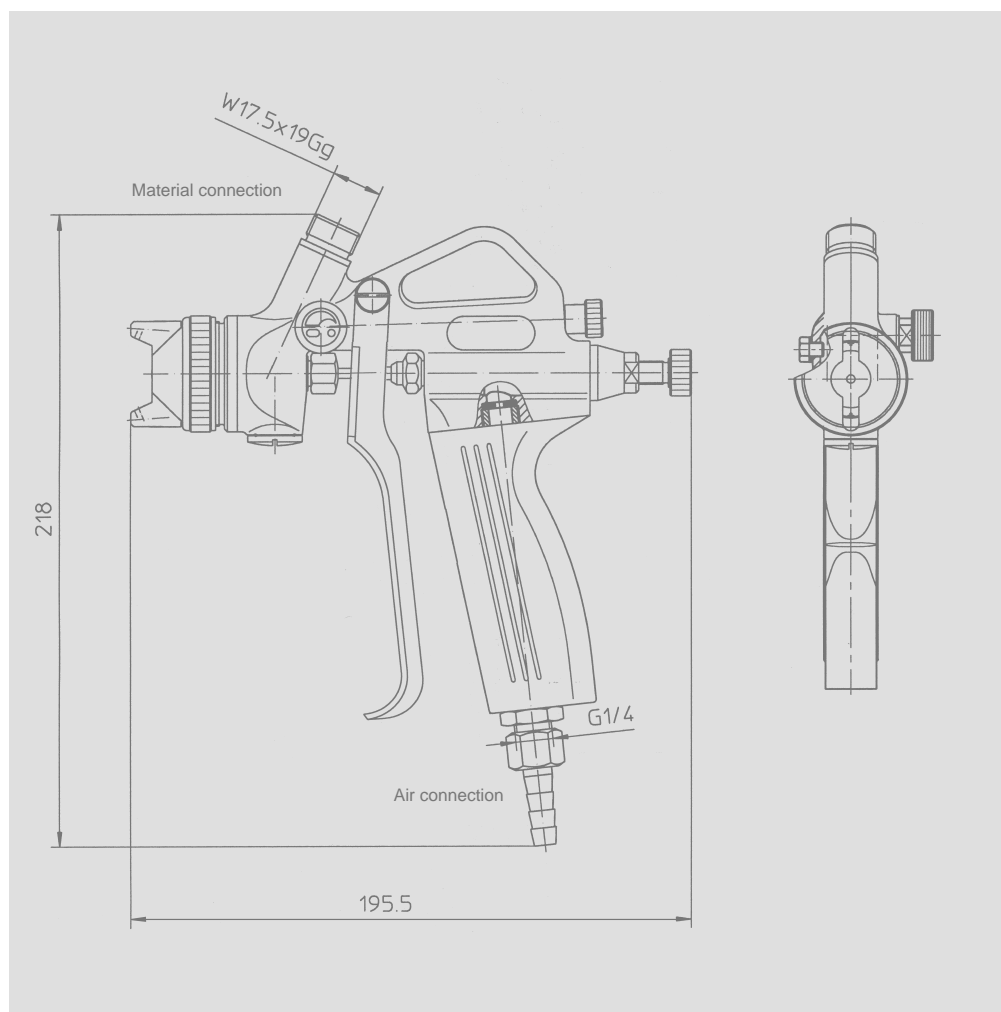
HS 25 HV1 Gravity feed Long trigger

This spray gun is the HVL version of the HS 25 spray gun.

In this model, a special throttle system ensures low-mist spraying operations.

This high-performance spray gun is suitable for use with a wide range of media. The spray gun is equipped with a fine-tune air regulator as standard to allow precision metering of the air volume. The built-in jet regulating valve allows continuous adjustment from an extremely fine circular jet to a full flat jet, and this means that the jet width can be adjusted to suit different workpieces during the spraying process. The handy, well-balanced design ensures fatigue-free operation. The integrated plastic handle is also an advantage during continuous use, as it prevents the highly cooled compressed air from chilling the surface of the handle. The main element is made of an anodised, corrosion-resistant light metal alloy. The material nozzles and needles are made of stainless steel as standard but are also available in tungsten carbide, plastic etc. for special applications.

There are several options for material feed. Guns are available with material connection hose nozzles or with a range of gravity cups. There is also a wide selection of nozzles and needles of various sizes. The spray gun can naturally also be used in combination with our material feed containers, diaphragm pumps and regulators.



Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium (housing) and stainless steel (material needle and nozzle) as well as brass and plastic (gaskets). The gravity cups are made of aluminium.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.4 MPa (4 bar)
Max. material temperature (8 hrs contin. duty): 50 °C
Max. atomiser air pressure: 0.4 MPa (4 bar)
Max. air temperature: 50 °C

Connections

Flow connection: W 17.5 x 19 AG
Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight

without material cup approx. 570 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)



	Stainless steel			Standard*						
Pistol body / Parts in contact with coating substance	+			x						
	SIZE I							SIZE II		
Air nozzle / Al, anodised / mm	0.3 to 1.8							2.0 to 2.5		
Flat / Circular HV1	x							-		
Air nozzle / brass, nickel-plated / mm	0.3 to 1.8							2.0 to 2.5		
Flat / Circular HV1 (Standard)	x							x		
Air nozzle / brass, PTFE / mm	0.3 to 1.8							2.0 to 2.5		
Flat / Circular HV1	+							+		
Air nozzle / tungsten carbide / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2,0	2.2	2.5
Flat / Circular HV1	-	-	-	-	x	x	x	x	-	x
Material nozzle / HVLP / stainless steel / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2,0	2.2	2.5
Flat / Circular HV1 (Standard)	x	x	x	x	x	x	x	x	-	x
Material nozzle / HVLP / stainless steel / hardened / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2,0	2.2	2.5
Flat / Circular HV1	+	+	+	+	+	+	+	+	-	+
Material nozzle / HVLP / tungsten carbide / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2,0	2.2	2.5
Flat / Circular HV1	-	-	-	-	+	+	+	+	-	+
Material needle / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2,0	2.2	2.5
Stainless steel (Standard)	x	x	x	x	x	x	x	x	x	x
Stainless steel / hardened	+	+	+	+	+	+	+	+	+	+
Stainless steel / hard chrome-plated	+	+	+	+	+	+	+	+	-	+
Tungsten carbide	-	-	-	-	+	+	+	+	+	+
Plastic	+	+	+	+	+	+	+	+	+	+
Stainless steel / protruding needle	-	+	+	+	+	+	+	+	-	+
Material connection / gravity cup	Aluminium			Aluminium, with pressure regulator						
250 ml	+			+						
500 ml	+			+						
750 ml	+			+						
Material connection / Hose nozzle with union nut W17.5 x 19 Gg IG	Brass			Brass, nickel-pl.			Stainless steel		Plastic	
DN 6/7	+			+			-		-	
DN 8/9	+			+			+		+	
DN 10/11	+			-			+		-	
Material connection / Bend with union nut	W 17.5 x 19 Gg IG									
Bend, W17.5 x 19 Gg AG	+									
Material connection / Fast screw connection with union nut W17.5 x 19 Gg IG	Brass			Brass, nickel-pl.						
PK 6 · G 3/8" IG	-			+						
Air connection/Hose nozzle with union nut G1/4" IG	Brass			Brass, nickel-pl.			Stainless steel			
DN 4	+			-			-			
DN 6/7	+			+			+			
DN 8/9	x			+			+			
DN 10	+			+			-			
Air connection / Rapid-fix coupling	DN 6/7			DN 8/9			G 1/4" IG			
G 1/4" IG	+			+			+			
x no surcharge + surcharge - not available										

x no surcharge + surcharge - not available

* Aluminium / Brass / Plastic parts

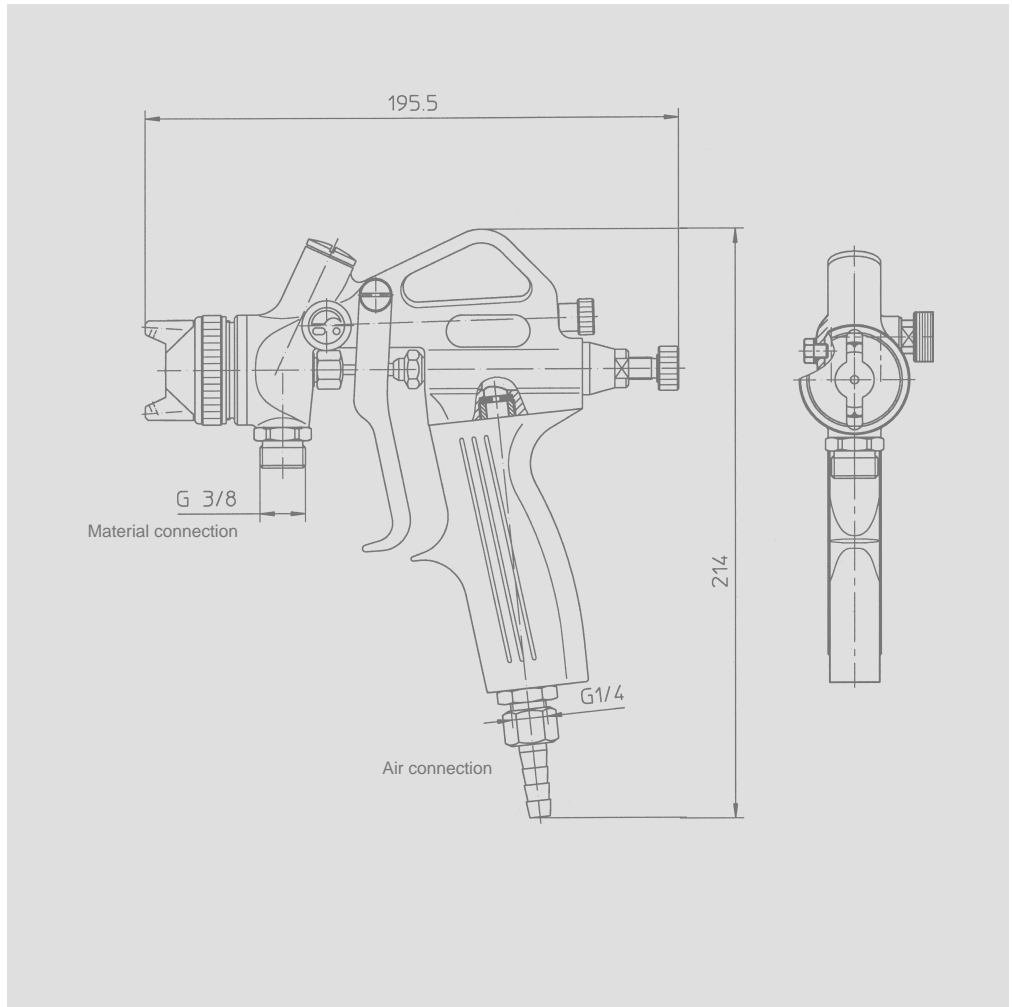
HS 25 HV1 Suction feed

This spray gun is the HVLP version of the HS 25 spray gun.

In this model, a special throttle system ensures low-mist spraying operations.

This high-performance spray gun is suitable for use with a wide range of media. The spray gun is equipped with a fine-tune air regulator as standard to allow precision metering of the air volume. The built-in jet regulating valve allows continuous adjustment from an extremely fine circular jet to a full flat jet, and this means that the jet width can be adjusted to suit different workpieces during the spraying process. The handy, well-balanced design ensures fatigue-free operation. The integrated plastic handle is also an advantage during continuous use, as it prevents the highly cooled compressed air from chilling the surface of the handle. The main element is made of an anodised, corrosion-resistant light metal alloy. The material nozzles and needles are made of stainless steel as standard but are also available in tungsten carbide, plastic etc. for special applications.

There are several options for material feed. Guns are available with material connection hose nozzles or with a range of suction cups. There is also a wide selection of nozzles and needles of various sizes. The spray gun can naturally also be used in combination with our material feed containers, diaphragm pumps and regulators.



Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium (housing) and stainless steel (material needle and nozzle) as well as brass and plastic (gaskets). The suction cups are made of aluminium.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.4 MPa (4 bar)
 Max. material temperature (8 hrs contin. duty): 50°C
 Max. atomiser air pressure: 0.4 MPa (4 bar)
 Max. air temperature: 50°C

Connections

Suction connection: G3/8 AG
 Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight

without material cup approx. 570 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)



	Stainless steel			Standard*						
Pistol body / Parts in contact with coating substance	+			x						
	SIZE I							SIZE II		
Air nozzle / Al, anodised / mm	0.3 to 1.8							2.0 to 2.5		
Flat / Circular HV1	x							-		
Air nozzle / brass, nickel-plated / mm	0.3 to 1.8							2.0 to 2.5		
Flat / Circular HV1 (Standard)	x							x		
Air nozzle / brass, PTFE / mm	0.3 to 1.8							2.0 to 2.5		
Flat / Circular HV1	+							+		
Air nozzle / tungsten carbide / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5
Flat / Circular HV1	-	-	-	-	x	x	x	x	-	x
Material nozzle / HVLP / stainless steel / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5
Flat / Circular HV1 (Standard)	x	x	x	x	x	x	x	x	-	x
Material nozzle /HVLP / stainless steel / hardened / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5
Flat / Circular HV1	+	+	+	+	+	+	+	+	-	+
Material nozzle / HVLP / tungsten carbide / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5
Flat / Circular HV1	-	-	-	-	+	+	+	+	-	+
Material needle / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5
Stainless steel (Standard)	x	x	x	x	x	x	x	x	x	x
Stainless steel/hardened	+	+	+	+	+	+	+	+	+	+
Stainless steel/hard chrome-plated	+	+	+	+	+	+	+	+	-	+
Tungsten carbide	-	-	-	-	+	+	+	+	+	+
Plastic	+	+	+	+	+	+	+	+	+	+
Stainless steel / protruding needle	-	+	+	+	+	+	+	+	-	+
Material connection / suction cup with air hose and screw connection	Aluminium									
1000 ml	+									
2000 ml	+									
Material connection / Hose nozzle with union nut G 3/8" IG	Brass	Brass, nickel-pl.		Stainless steel		Plastic				
DN 6/7	+	+		-		-				
DN 8/9	+	+		+		+				
DN 10/11	+	-		+		-				
DN 12/13	+	-		-		-				
Material connection / Circulation	Brass	Brass, nickel-pl.		Stainless steel		Aluminium				
2x G 1/4" AG x G 3/8" IG	-	+		+		+				
Material connection / Connection tap	Brass	Brass, nickel-pl.		Stainless steel		Aluminium				
G 3/8" IG x DN 8/9	+	-		-		-				
Material connection / Reducing nipple	Brass									
G 3/8" IG x G 1/4" AG	+									
Material connection / Fast screw connection	Brass	Brass, nickel-pl.		Stainless steel		Aluminium		PA		
PK 4 · G 3/8" IG	-	+		-		-		-		
PK 6 · G 3/8" IG	+	+		+		+		+		
PK 8 · G 3/8" IG	+	+		-		-		+		
PK 9 · G 3/8" IG	-	-		-		+		-		
x no surcharge + surcharge - not available										

x no surcharge + surcharge - not available

* Aluminium / Brass / Plastic parts

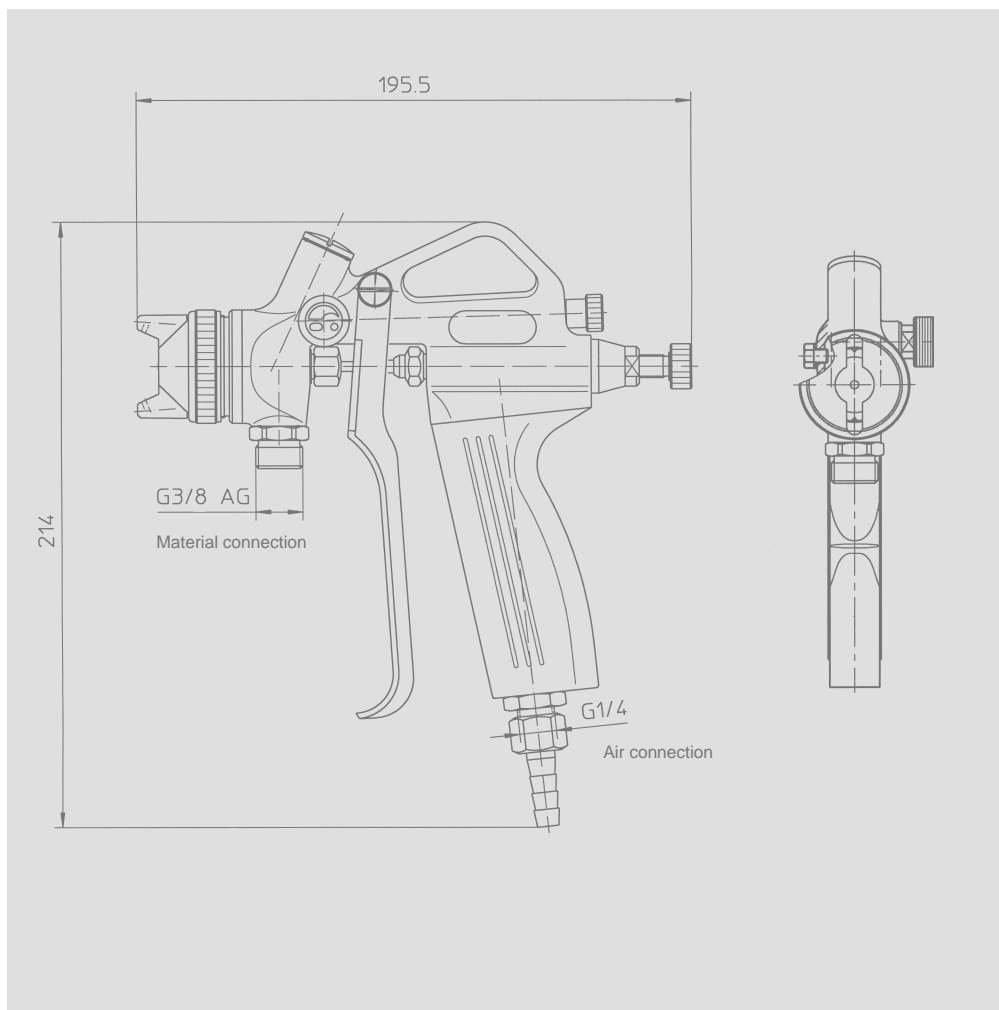
HS 25 HV1 Suction feed Long trigger

This spray gun is the HVLP version of the HS 25 spray gun.

In this model, a special throttle system ensures low-mist spraying operations.

This high-performance spray gun is suitable for use with a wide range of media. The spray gun is equipped with a fine-tune air regulator as standard to allow precision metering of the air volume. The built-in jet regulating valve allows continuous adjustment from an extremely fine circular jet to a full flat jet, and this means that the jet width can be adjusted to suit different workpieces during the spraying process. The handy, well-balanced design ensures fatigue-free operation. The integrated plastic handle is also an advantage during continuous use, as it prevents the highly cooled compressed air from chilling the surface of the handle. The main element is made of an anodised, corrosion-resistant light metal alloy. The material nozzles and needles are made of stainless steel as standard but are also available in tungsten carbide, plastic etc. for special applications.

There are several options for material feed. Guns are available with material connection hose nozzles or with a range of suction cups. There is also a wide selection of nozzles and needles of various sizes. The spray gun can naturally also be used in combination with our material feed containers, diaphragm pumps and regulators.



Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium (housing) and stainless steel (material needle and nozzle) as well as brass and plastic (gas-kets). The suction cups are made of aluminium.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.4 MPa (4 bar)
Max. material temperature (8 hrs contin. duty): 50 °C
Max. atomiser air pressure: 0.4 MPa (4 bar)
Max. air temperature: 50 °C

Connections

Suction connection: G3/8 AG
Atomiser air: hose NW 8/9 or G1/4 AG

Weight

without material cup approx. 570 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB(A)



	Stainless steel			Standard*						
Pistol body / Parts in contact with coating substance	+			x						
	SIZE I							SIZE II		
Air nozzle / Al. anodised / mm	0.3 to 1.8							2.0 to 2.5		
Flat / Circular HV1	x							-		
Air nozzle / brass, nickel-plated / mm	0.3 to 1.8							2.0 to 2.5		
Flat / Circular HV1 (Standard)	x							x		
Air nozzle / brass, PTFE / mm	0.3 to 1.8							2.0 to 2.5		
Flat / Circular HV1	+							+		
Air nozzle / tungsten carbide / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5
Flat / Circular HV1	-	-	-	-	x	x	x	x	-	x
Material nozzle / HVLP / stainless steel / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5
Flat / Circular HV1 (Standard)	x	x	x	x	x	x	x	x	-	x
Material nozzle /HVLP / stainless steel / hardened / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5
Flat / Circular HV1	+	+	+	+	+	+	+	+	-	+
Material nozzle / HVLP / tungsten carbide / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5
Flat / Circular HV1	-	-	-	-	+	+	+	+	-	+
Material needle / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5
Stainless steel (Standard)	x	x	x	x	x	x	x	x	x	x
Stainless steel/hardened	+	+	+	+	+	+	+	+	+	+
Stainless steel/hard chrome-plated	+	+	+	+	+	+	+	+	-	+
Tungsten carbide	-	-	-	-	+	+	+	+	+	+
Plastic	+	+	+	+	+	+	+	+	+	+
Stainless steel / protruding needle	-	+	+	+	+	+	+	+	-	+
Material connection / suction cup with air hose and screw connection	Aluminium									
1000 ml	+									
2000 ml	+									
Material connection / Hose nozzle with union nut G 3/8" IG	Brass	Brass, nickel-pl.		Stainless steel		Plastic				
DN 6/7	+	+		-		-				
DN 8/9	+	+		+		+				
DN 10/11	+	-		+		-				
DN 12/13	+	-		-		-				
Material connection / Circulation	Brass	Brass, nickel-pl.		Stainless steel		Aluminium				
2x G 1/4" AG x G 3/8" IG	-	+		+		+				
Material connection / Connection tap	Brass	Brass, nickel-pl.		Stainless steel		Aluminium				
G 3/8" IG x DN 8/9	+	-		-		-				
Material connection / Reducing nipple	Brass									
G 3/8" IG x G 1/4" AG	+									
Material connection / Fast screw connection	Brass	Brass, nickel-pl.		Stainless steel		Aluminium		PA		
PK 4 · G 3/8" IG	-	+		-		-		-		
PK 6 · G 3/8" IG	+	+		+		+		+		
PK 8 · G 3/8" IG	+	+		-		-		+		
PK 9 · G 3/8" IG	-	-		-		+		-		
	x no surcharge + surcharge - not available									

x no surcharge + surcharge - not available

* Aluminium / Brass / Plastic parts

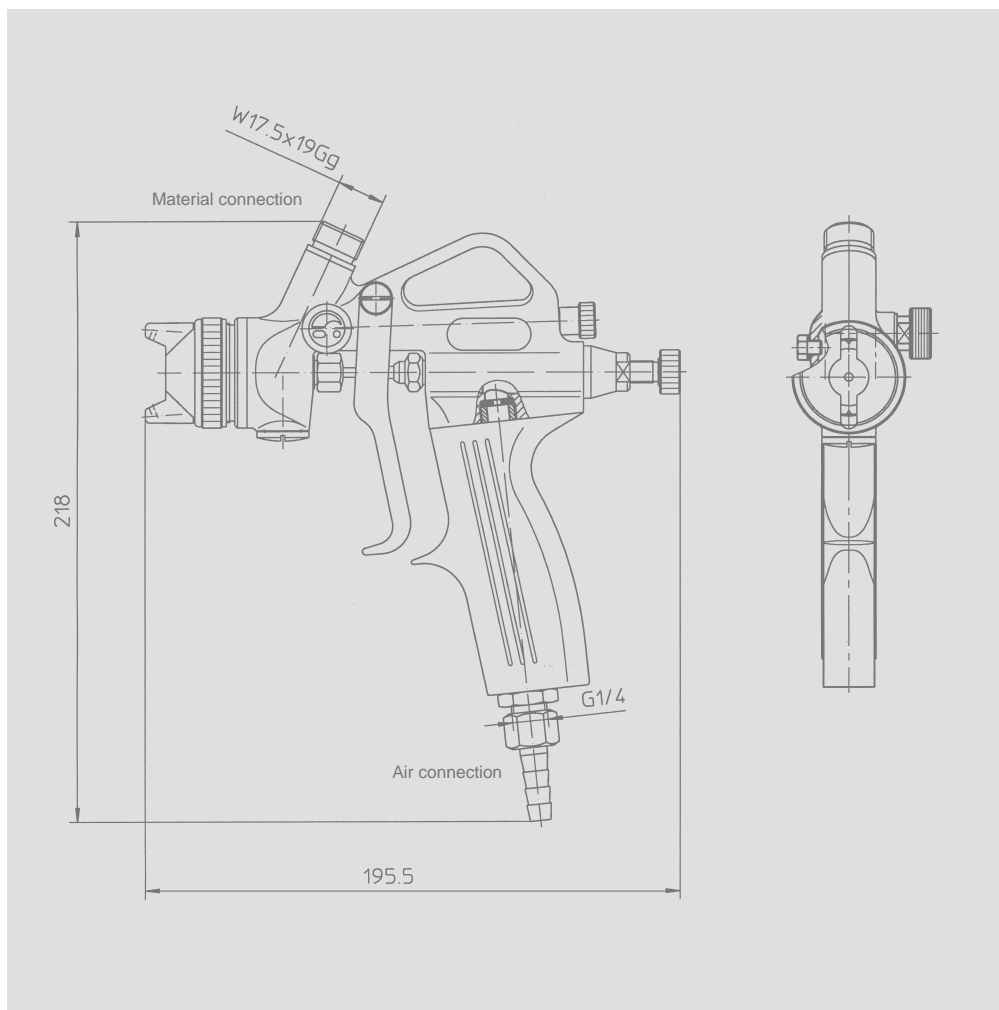
HS 25 HV3 Gravity feed

This spray gun is a further development of the HV1 system.

In this model, special modifications to the air routing system ensure far finer atomisation.

This high-performance spray gun is suitable for use with a wide range of media. The spray gun is equipped with a fine-tune air regulator as standard to allow precision metering of the air volume. The built-in jet regulating valve allows continuous adjustment from an extremely fine circular jet to a full flat jet, and this means that the jet width can be adjusted to suit different workpieces during the spraying process. The handy, well-balanced design ensures fatigue-free operation. The integrated plastic handle is also an advantage during continuous use, as it prevents the highly cooled compressed air from chilling the surface of the handle. The main element is made of an anodised, corrosion-resistant light metal alloy. The material nozzles and needles are made of stainless steel as standard but are also available in tungsten carbide, plastic etc. for special applications.

There are several options for material feed. Guns are available with material connection hose nozzles or with a range of gravity cups. There is also a wide selection of nozzles and needles of various sizes. The spray gun can naturally also be used in combination with our material feed containers, diaphragm pumps and regulators.



Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium (housing) and stainless steel (material needle and nozzle) as well as brass and plastic (gaskets).

The gravity cups are made of aluminium, copper or plastic.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.4 MPa (4 bar)
Max. material temperature (8 hrs contin. duty): 50 °C
Max. atomiser air pressure: 0.4 MPa (4 bar)
Max. air temperature: 50 °C

Connections

Flow connection: W 17.5 x 19 AG
Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight

without material cup approx. 570 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)



	Stainless steel				Standard *							
Pistol body / Parts in contact with coating substance	+				x							
Air nozzle / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	
Flat / Circular F	-	-	-	-	-	-	-	x	x	x	x	
Flat / Circular F2	-	-	-	-	-	-	x	x	x	x	-	
Air nozzle / brass, PTFE / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	
Flat / Circular F	-	-	-	-	-	-	-	+	+	+	+	
Flat / Circular F2	-	-	-	-	-	-	+	+	+	+	-	
SIZE I					SIZE II							
Air nozzle / brass, nickel-plated / mm	0.3 to 1.8					2.0 to 2.5						
Flat / Circular HV3 A	x					x						
Flat / Circular HV3 G	x					x						
Flat / Circular HV3 H (Standard)	x					-						
SIZE I					SIZE II							
Air nozzle / brass, PTFE / mm	0.3 to 1.8					2.0 to 2.5						
Flat / Circular HV3 A	+					+						
Flat / Circular HV3 G	+					+						
Flat / Circular HV3 H	+					-						
Material nozzle / HVLP / stainless steel / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5		
Flat / Circular HV3 (Standard)	x	x	x	x	x	x	x	x	x	x		
Material nozzle / HVLP / stainless steel, hardened / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5		
Flat / Circular HV3	+	+	+	+	+	+	+	+	+	+		
Material nozzle / HVLP / tungsten carbide / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5		
Flat / Circular HV3	-	-	-	-	+	+	+	+	+	+		
Material needle / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5		
Stainless steel (Standard)	x	x	x	x	x	x	x	x	x	x		
Stainless steel / hardened	+	+	+	+	+	+	+	+	+	+		
Stainless steel / hard chrome-plated	+	+	+	+	+	+	+	+	-	+		
Tungsten carbide	-	-	-	-	+	+	+	+	+	+		
Plastic	+	+	+	+	+	+	+	+	+	+		
Stainless steel / protruding needle	-	+	+	+	+	+	+	+	-	+		
Material connection / gravity cup	Aluminium		Copper, nickel-pl.			Plastic						
170 ml NORMA	+											
250 ml UNI	+											
250 ml NORMA			+									
500 ml UNI	+		+									
500 ml						+						
500 ml NORMA	+		+									
750 ml UNI	+											
1000 ml UNI	+											
Material connection / gravity pressure cup	Aluminium		Aluminium									
with pressure regulator												
250 ml	+					+						
500 ml	+					+						
750 ml	+					+						



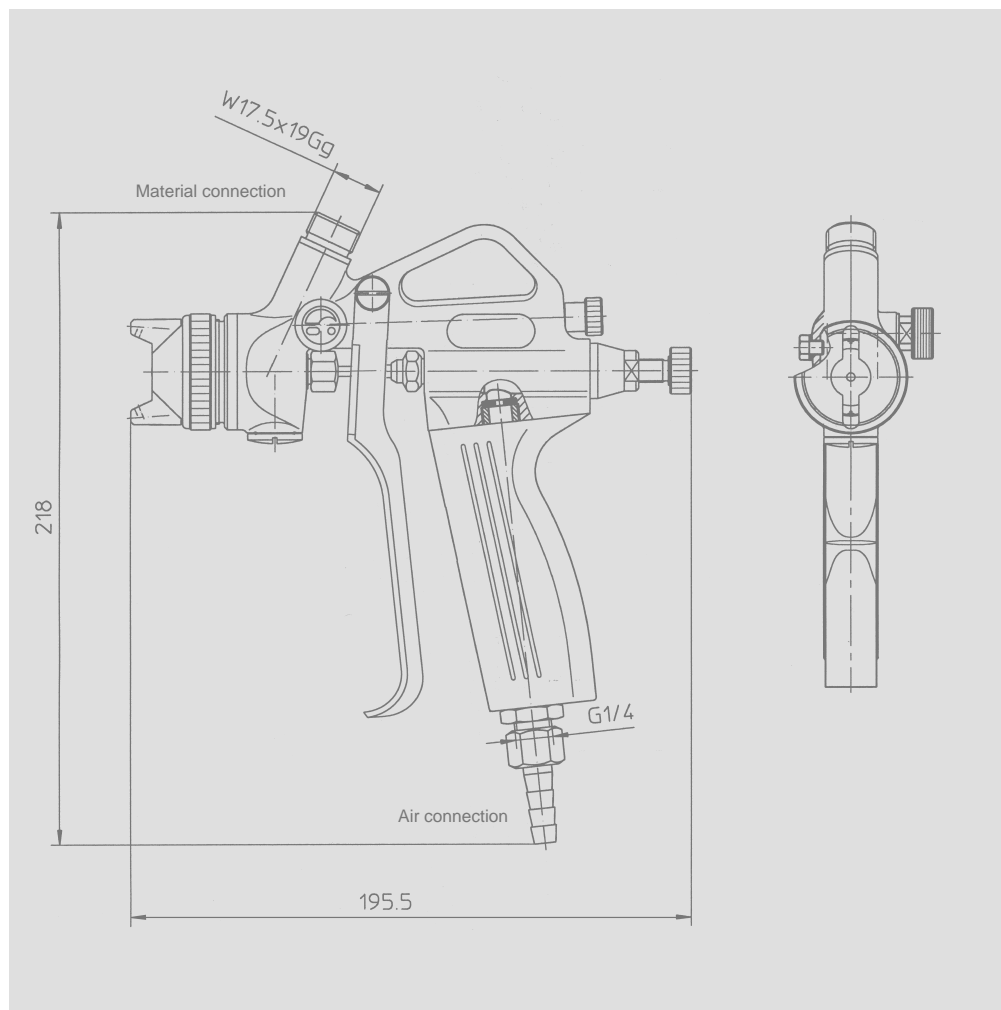
HS 25 HV3 Gravity feed Long trigger

This spray gun is a further development of the HV1 system.

In this model, special modifications to the air routing system ensure far finer atomisation.

This high-performance spray gun is suitable for use with a wide range of media. The spray gun is equipped with a fine-tune air regulator as standard to allow precision metering of the air volume. The built-in jet regulating valve allows continuous adjustment from an extremely fine circular jet to a full flat jet, and this means that the jet width can be adjusted to suit different workpieces during the spraying process. The handy, well-balanced design ensures fatigue-free operation. The integrated plastic handle is also an advantage during continuous use, as it prevents the highly cooled compressed air from chilling the surface of the handle. The main element is made of an anodised, corrosion-resistant light metal alloy. The material nozzles and needles are made of stainless steel as standard but are also available in tungsten carbide, plastic etc. for special applications.

There are several options for material feed. Guns are available with material connection hose nozzles or with a range of gravity cups. There is also a wide selection of nozzles and needles of various sizes. The spray gun can naturally also be used in combination with our material feed containers, diaphragm pumps and regulators.



Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium (housing) and stainless steel (material needle and nozzle) as well as brass and plastic (gaskets). The gravity cups are made of aluminium, copper or plastic.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.4 MPa (4 bar)
Max. material temperature (8 hrs contin. duty): 50 °C
Max. atomiser air pressure: 0.4 MPa (4 bar)
Max. air temperature: 50 °C

Connections

Flow connection: W 17.5 x 19 AG
Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight

without material cup approx. 570 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)

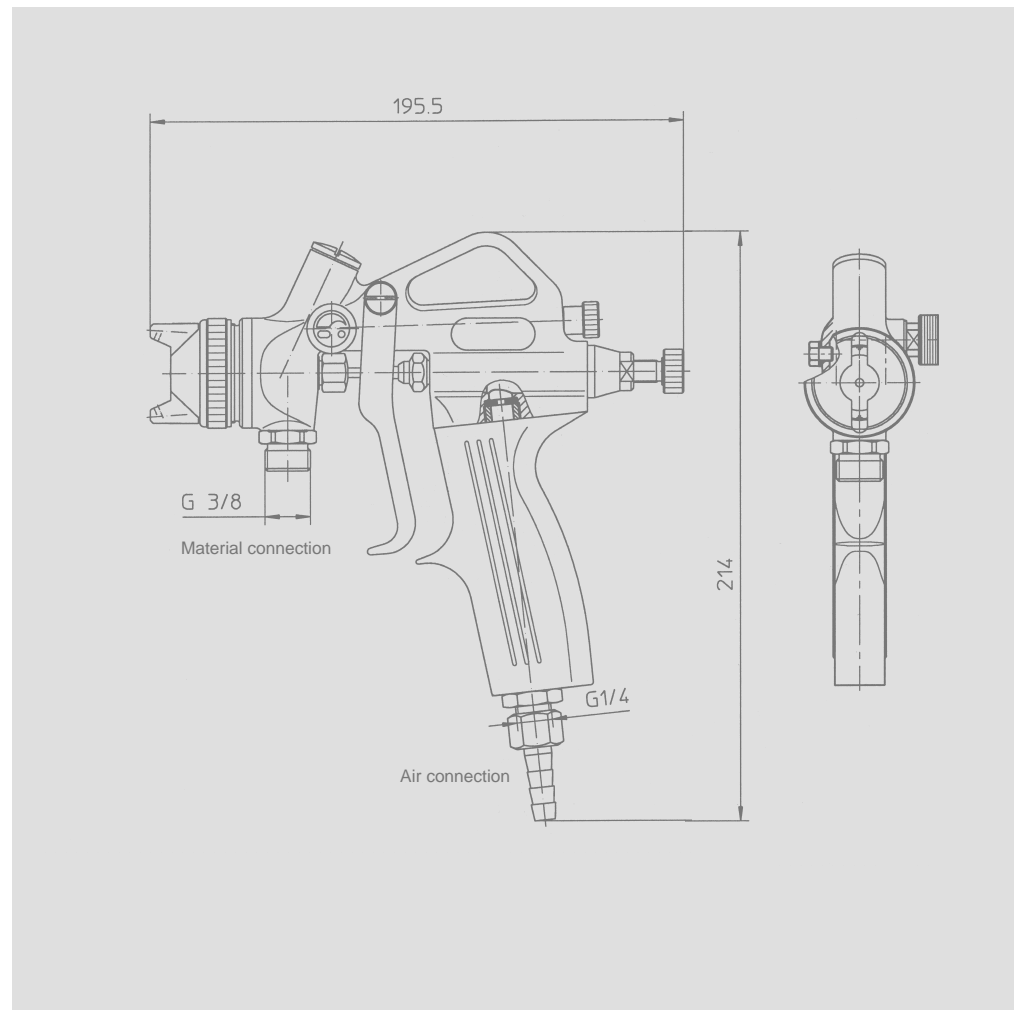
HS 25 HV3 Suction feed

This spray gun is a further development of the HV1 system.

In this model, special modifications to the air routing system ensure far finer atomisation.

This high-performance spray gun is suitable for use with a wide range of media. The spray gun is equipped with a fine-tune air regulator as standard to allow precision metering of the air volume. The built-in jet regulating valve allows continuous adjustment from an extremely fine circular jet to a full flat jet, and this means that the jet width can be adjusted to suit different workpieces during the spraying process. The handy, well-balanced design ensures fatigue-free operation. The integrated plastic handle is also an advantage during continuous use, as it prevents the highly cooled compressed air from chilling the surface of the handle. The main element is made of an anodised, corrosion-resistant light metal alloy. The material nozzles and needles are made of stainless steel as standard but are also available in tungsten carbide, plastic etc. for special applications.

There are several options for material feed. Guns are available with material connection hose nozzles or with a range of suction cups. There is also a wide selection of nozzles and needles of various sizes. The spray gun can naturally also be used in combination with our material feed containers, diaphragm pumps and regulators.



Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium (housing) and stainless steel (material needle and nozzle) as well as brass and plastic (gas-kets).

The suction cups are made of aluminium.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.4 MPa (4 bar)
Max. material temperature (8 hrs contin. duty): 50 °C
Max. atomiser air pressure: 0.4 MPa (4 bar)
Max. air temperature: 50 °C

Connections

Suction connection: G3/8 AG
Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight

without material cup approx. 570 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)



	Stainless steel				Standard*						
Pistol body / Parts in contact with coating substance	+				x						
Air nozzle / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0
Flat / Circular F	-	-	-	-	-	-	-	x	x	x	x
Flat / Circular F2	-	-	-	-	-	-	x	x	x	x	-
Air nozzle / brass, PTFE / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0
Flat / Circular F	-	-	-	-	-	-	-	+	+	+	+
Flat / Circular F2	-	-	-	-	-	-	+	+	+	+	-
	SIZE I					SIZE II					
Air nozzle / brass, nickel-plated / mm	0.3 to 1.8					2.0 to 2.5					
Flat / Circular HV3 A (Standard)	x					x					
Flat / Circular HV3 G	x					x					
Flat / Circular HV3 H	x					-					
	SIZE I					SIZE II					
Air nozzle / brass, PTFE / mm	0.3 to 1.8					2.0 to 2.5					
Flat / Circular HV3 A	+					+					
Flat / Circular HV3 G	+					+					
Flat / Circular HV3 H	+					-					
Material nozzle / HVLP / stainless steel / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	
Flat / Circular HV3 (Standard)	x	x	x	x	x	x	x	x	x	x	
Material nozzle / HVLP / stainless steel, hardened / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	
Flat / Circular HV3	+	+	+	+	+	+	+	+	+	+	
Material nozzle / HVLP / tungsten carbide / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	
Flat / Circular HV3	-	-	-	-	+	+	+	+	+	+	
Material needle / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	
Stainless steel (Standard)	x	x	x	x	x	x	x	x	x	x	
Stainless steel / hardened	+	+	+	+	+	+	+	+	+	+	
Stainless steel / hard chrome-plated	+	+	+	+	+	+	+	+	-	+	
Tungsten carbide	-	-	-	-	+	+	+	+	+	+	
Plastic	+	+	+	+	+	+	+	+	+	+	
Stainless steel / protruding needle	-	+	+	+	+	+	+	+	-	+	
Material connection / pressure cup											
with air hose and screw connection	Aluminium										
1000 ml	+										
2000 ml	+										
Material connection / hose nozzle											
with union nut G 3/8" IG	Brass	Brass, nickel-pl.		Stainless steel		Plastic					
DN 6/7	+	+		-		-					
DN 8/9	+	+		+		+					
DN 10/11	+	-		+		-					
DN 12/13	+	-		-		-					
Material connection / circulation	Brass	Brass, nickel-pl.		Stainless steel		Aluminium					
2 x G 1/4" AG x G 3/8" IG	-	+		+		+					

x no surcharge + surcharge - not available

* Aluminium / Brass / Plastic parts

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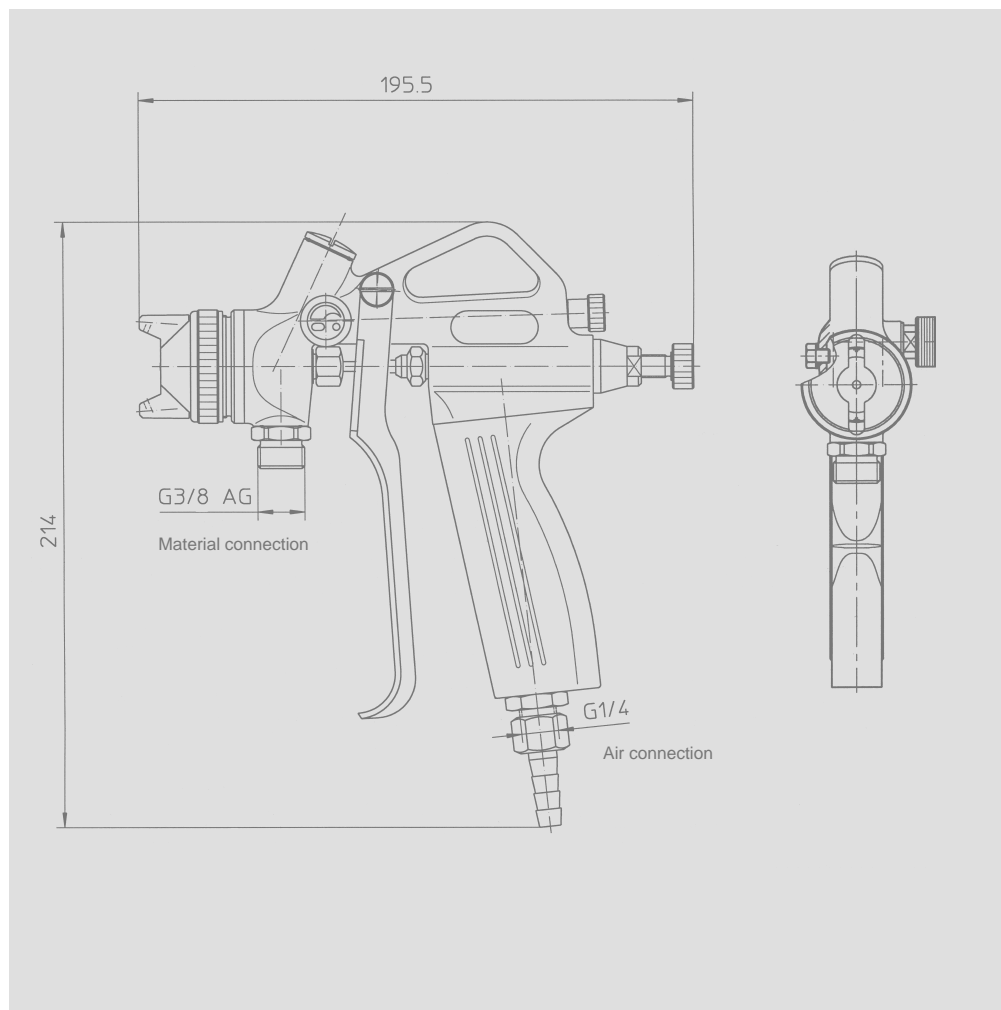
HS 25 HV3 Suction feed Long trigger

This spray gun is a further development of the HV1 system.

In this model, special modifications to the air routing system ensure far finer atomisation.

This high-performance spray gun is suitable for use with a wide range of media. The spray gun is equipped with a fine-tune air regulator as standard to allow precision metering of the air volume. The built-in jet regulating valve allows continuous adjustment from an extremely fine circular jet to a full flat jet, and this means that the jet width can be adjusted to suit different workpieces during the spraying process. The handy, well-balanced design ensures fatigue-free operation. The integrated plastic handle is also an advantage during continuous use, as it prevents the highly cooled compressed air from chilling the surface of the handle. The main element is made of an anodised, corrosion-resistant light metal alloy. The material nozzles and needles are made of stainless steel as standard but are also available in tungsten carbide, plastic etc. for special applications.

There are several options for material feed. Guns are available with material connection hose nozzles or with a range of suction cups. There is also a wide selection of nozzles and needles of various sizes. The spray gun can naturally also be used in combination with our material feed containers, diaphragm pumps and regulators.



Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium (housing) and stainless steel (material needle and nozzle) as well as brass and plastic (gaskets). The suction cups are made of aluminium.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.4 MPa (4 bar)
Max. material temperature (8 hrs contin. duty): 50 °C
Max. atomiser air pressure: 0.4 MPa (4 bar)
Max. air temperature: 50 °C

Connections

Suction connection: G3/8 AG
Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight

without material cup approx. 570 g
of material jet in front of spray nozzle: up to 4 metres

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)

Suction feed
Long trigger
Order no. 2587-200-0109

	Stainless steel				Standard*						
Pistol body / Parts in contact with coating substance	+				x						
Air nozzle / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0
Flat / Circular F	-	-	-	-	-	-	-	x	x	x	x
Flat / Circular F2	-	-	-	-	-	-	x	x	x	x	-
Air nozzle / brass, PTFE / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0
Flat / Circular F	-	-	-	-	-	-	-	+	+	+	+
Flat / Circular F2	-	-	-	-	-	-	+	+	+	+	-
	SIZE I						SIZE II				
Air nozzle / brass, nickel-plated / mm	0.3 to 1.8						2.0 to 2.5				3.0
Flat / Circular HV3 A (Standard)	x						x				-
Flat / Circular HV3 G	x						x				-
Flat / Circular HV3 H	x						-				-
	SIZE I						SIZE II				
Air nozzle / brass, PTFE / mm	0.3 to 1.8						2.0 to 2.5				3.0
Flat / Circular HV3 A	+						+				-
Flat / Circular HV3 G	+						+				-
Flat / Circular HV3 H	+						-				-
Material nozzle / HVLP / stainless steel / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0
Flat / Circular HV3 (Standard)	x	x	x	x	x	x	x	x	x	x	-
Material nozzle / HVLP / stainless steel, hardened / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0
Flat / Circular HV3	+	+	+	+	+	+	+	+	+	+	-
Material nozzle / HVLP / tungsten carbide / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0
Flat / Circular HV3	-	-	-	-	+	+	+	+	+	+	-
Material needle / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	
Stainless steel (Standard)	x	x	x	x	x	x	x	x	x	x	
Stainless steel / hardened	+	+	+	+	+	+	+	+	+	+	
Stainless steel / hard chrome-plated	+	+	+	+	+	+	+	+	-	+	
Tungsten carbide	-	-	-	-	+	+	+	+	+	+	
Plastic	+	+	+	+	+	+	+	+	+	+	
Stainless steel / protruding needle	-	+	+	+	+	+	+	+	-	+	
Material connection / pressure cup with air hose and screw connection	Aluminium										
1000 ml	+										
2000 ml	+										
Material connection / hose nozzle with union nut G 3/8" IG	Brass	Brass, nickel-pl.		Stainless steel			Plastic				
DN 6/7	+	+		-			-				
DN 8/9	+	+		+			+				
DN 10/11	+	-		+			-				
DN 12/13	+	-		-			-				
Material connection / circulation	Brass	Brass, nickel-pl.		Stainless steel			Aluminium				
2 x G 1/4" AG x G 3/8" IG	-	+		+			+				

x no surcharge + surcharge - not available

* Aluminium / Brass / Plastic parts



x no surcharge + surcharge - not available

Mignon 3 HV3 Gravity feed

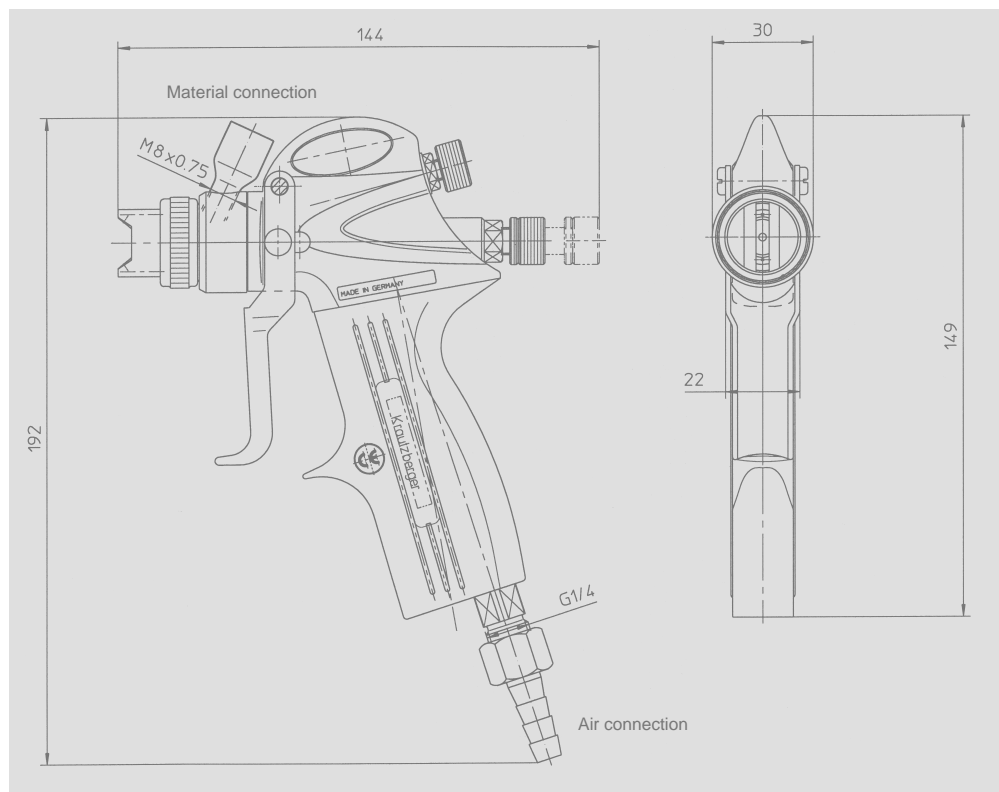
This model is a further development of the HVLP system.

The Mignon 3 is a high-performance all-round spray gun meeting the highest standards. The ergonomically shaped handle is made of a lightweight, solvent-resistant plastic. The main element is made of surface-finished, forged aluminium.

One of the special features of the Mignon 3 is the detachable head section of the gun. This section is made of aluminium and is also available in stainless steel design on request. This version is designed for use with water borne paints.

Material volume regulation via the needle adjuster with lock nut permits fine, stepless adjustment. The separate stepless flat jet regulator is mounted on the rear of the pistol and therefore ideal for use by both right-handed and left-handed operators.

The material nozzle system is made of stainless steel. The generously dimensioned air ducts ensure improved air distribution and optimum spraying characteristics.



Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium or stainless steel (head section) and stainless steel (material needle and nozzle) as well as brass and plastic (gaskets); the gravity cups are made of aluminium, copper or plastic.

Special accessories

Nozzle extensions: these are particularly suitable for use when coating cavities (e.g. pipes, canisters, tins or other containers).

Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.4 MPa (4 bar)
 Max. material temperature (8 hrs contin. duty): 43 °C
 Max. atomiser air pressure: 0.4 MPa (4 bar)
 Max. air temperature: 43 °C

Connections

Flow connection: M 12 x 1.5 IG
 Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight

without material cup approx. 350 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)

	Stainless steel	Aluminium										
Pistol body / Parts in contact with coating substance	+	x										
Air nozzle / Brass, nickel-plated / mm	SIZE I 0.20 to 2.00											
Flat / Circular HV3 M-H	x											
Material nozzle / Stainless steel / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Flat / Circular HV3 M (Standard)	x	x	-	x	x	x	x	x	x	x	x	-
Material nozzle / Stainless steel, hardened / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Rotary jet "D"	-	-	-	-	-	+	+	+	+	+	+	+
Flat / Circular "FL"	x	+	-	+	x	+	+	+	+	+	-	-
Circular jet "R"	+	+	-	+	-	+	+	+	+	+	-	-
Material nozzle / POM / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Circular jet "R"	-	-	-	-	-	-	+	-	-	-	-	-
Material needle / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Stainless steel (Standard)	x	x	-	x	x	x	x	x	x	x	x	x
Hardened	+	+	-	+	+	+	+	+	+	+	-	-
With protruding needle	-	-	-	+	+	+	+	+	+	+	-	-
Material connection												
Cup	Copper, nickel-pl.	Plastic	Aluminium									
Cup 65 ml	+	+	-									
Cup 120 ml	-	-	+									
Cup 125 ml	-	+	-									
Cup 250 ml	-	-	+									
Cup 300 ml	-	+	-									
Air connection												
Hose nozzle	Brass	Brass, nickel-pl.	Stainless steel									
DN 6/7 with union nut G 1/4" IG	+	+	+									
DN 8/9 with union nut G 1/4" IG	+	x	+									
Rapid-fix coupling												
	DN 6/7	DN 8/9	G 1/4" IG									
Size 9 G 1/4" IG	+	-	-									
Size 11 G 1/4" IG	+	+	+									
Air control valve with pressure gauge and union nut	G 1/4" IG											
Air control valve	+											
Fast screw connection	Brass	Brass, nickel-pl.	Stainless steel	Aluminium		PA						
PK 6	+	+	+	+		+						
PK 8	-	+	+	-		+						
Reducing nipple	G 1/8" AG											
G 1/4" IG	+											
Needle packing	PTFE / "Ekonorl"	UHMW	"Viton"									
	x	x	x									

x no surcharae + surcharae - not available

Mignon 3 HV3 Material feed in gun handle

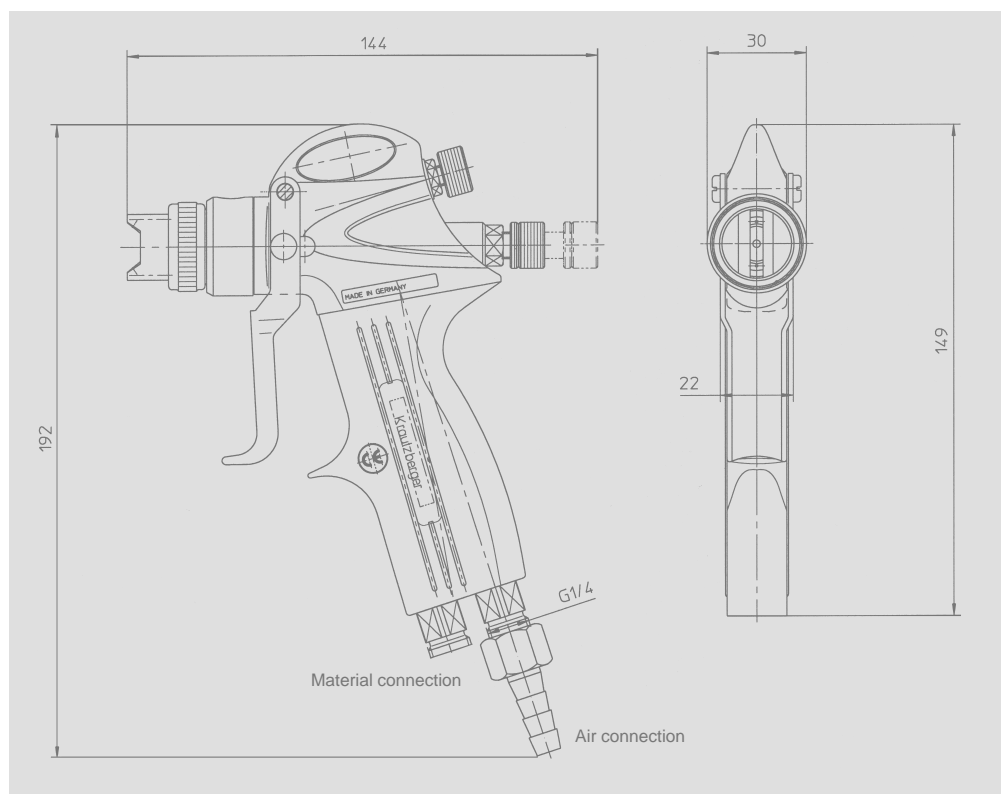
This model is a further development of the HVLP system.

The Mignon 3 is a high-performance all-round spray gun meeting the highest standards. The ergonomically shaped handle is made of a lightweight, solvent-resistant plastic. The main element is made of surface-finished, forged aluminium.

One of the special features of the Mignon 3 is the detachable head section of the gun. This section is made of aluminium and is also available in stainless steel design on request. This version is designed for use with water borne paints.

With this version, the material feed is via the handle; there is therefore no material feed hose at the front of the gun, and this improves handling and also ensures fatigue-free operation.

Material volume regulation via the needle adjuster with lock nut permits fine, stepless adjustment. The separate stepless flat jet regulator is mounted on the rear of the pistol and therefore ideal for use by both right-handed and left-handed operators. The material nozzle system is made of stainless steel. The generously dimensioned air ducts ensure improved air distribution and optimum spraying characteristics.



Parts in contact with the coating substance

The parts of the spray gun that come into contact with the coating material are made of aluminium or stainless steel (head section) and stainless steel (material needle and nozzle) as well as brass and plastic (gaskets); the gravity cups are made of aluminium, copper or plastic.

Special accessories

Nozzle extensions: these are particularly suitable for use when coating cavities (e.g. pipes, canisters, tins or other containers).

Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.4 MPa (4 bar)
Max. material temperature (8 hrs contin. duty): 43 °C
Max. atomiser air pressure: 0.4 MPa (4 bar)
Max. air temperature: 43 °C

Connections

Flow connection: G1/4 AG
Atomiser air: hose NW 8/9 mm or G1/4 AG

Weight

without material cup approx. 350 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)



	Stainless steel	Aluminium										
Pistol body / Parts in contact with coating substance	+	x										
Air nozzle / Brass, nickel-plated / mm	SIZE I 0.20 to 2.00											
Flat / Circular HV3 M-H (Standard)	x											
Flat / Circular HV3 M-G	x											
Flat / Circular HV3 M-A	x											
Material nozzle / Stainless steel / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Flat / Circular HV3 M (Standard)	x	x	-	x	x	x	x	x	x	x	x	-
Material nozzle / Stainless steel, hardened / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Rotary jet "D"	-	-	-	-	-	+	+	+	+	+	+	+
Flat / Circular "FL"	x	+	-	+	x	+	+	+	+	+	-	-
Circular jet "R"	+	+	-	+	-	+	+	+	+	+	-	-
Material nozzle / POM / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Circular jet "R"	-	-	-	-	-	-	+	-	-	-	-	-
Material needle / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Stainless steel (Standard)	x	x	-	x	x	x	x	x	x	x	x	x
Hardened	+	+	-	+	+	+	+	+	+	+	-	-
With protruding needle	-	-	-	+	+	+	+	+	+	+	-	-
Material connection												
Handle / Hose nozzle	Brass	Brass, nickel-pl.		Stainless steel								
DN 6/7	+	+		+								
Handle / Fast screw connection	Brass	Brass, nickel-pl.		Stainless steel			Aluminium					
PK 4	+	+		+			+					
PK 6	+	+		+			+					
PK 8	-	+		-			-					
Air connection												
Hose nozzle	Brass	Brass, nickel-pl.		Stainless steel								
DN 6/7 with union nut G 1/4" IG	+	+		+								
DN 8/9 with union nut G 1/4" IG	+	x		+								
Rapid-fix coupling	DN 6/7											
Size 9 G 1/4" IG	+											
Air control valve with pressure gauge and union nut	G 1/4" IG											
Air control valve	+											
Fast screw connection	Brass	Brass, nickel-pl.		Stainless steel			Aluminium			PA		
PK 6	+	+		-			+			-		
PK 8	-	+		-			-			-		
Reducing nipple	G 1/8" AG											
G 1/4" IG	+											
Needle packing	PTFE / "Ekonol"		UHMW		"Viton"							
	x		x		x							
Material pipe seal	EPDM		Viton									
Material pipe seal	x		x									



- ❶ KS1 Standard version
- ❷ KS1 Long trigger
- ❸ KS1 with material feed pipe



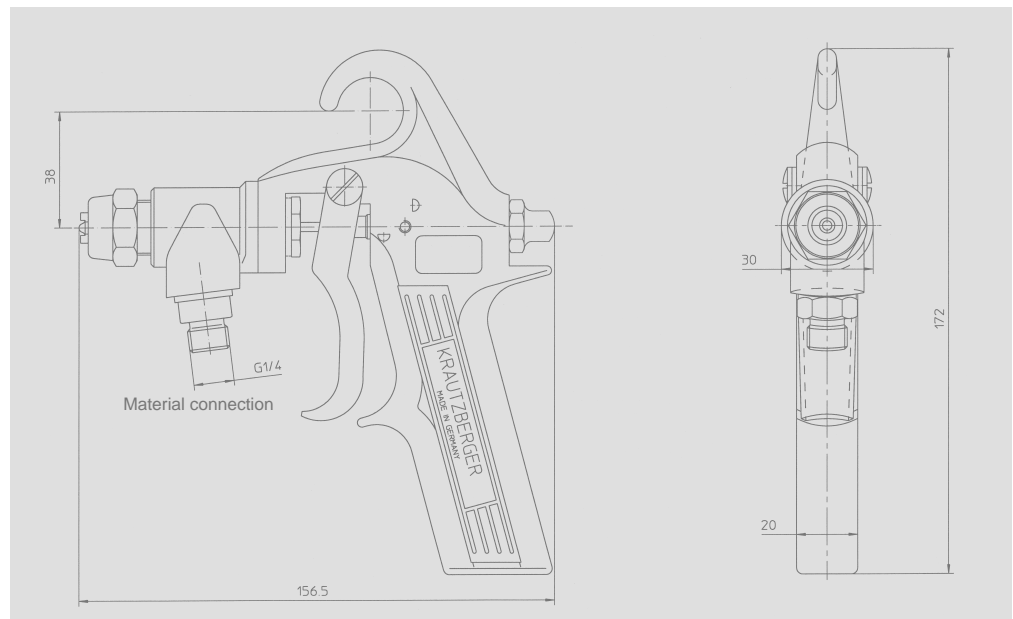


KS1 airless spray gun

The airless spray gun, type KS1, is used to coat surfaces such as metal, plastic, ceramics, wood and similar materials as well as other suitable surfaces. Typical coating materials include paints, dyes, water-soluble paints, adhesives, oils, release agents etc. The KS1 gun can also be used to process abrasive coating materials at operating pressures below 5 MPa (50 bar). The coating material is supplied to the spray gun in liquid form under high material pressure.

The spray gun works on the "airless" principle – in other words, the spray jet is generated solely by the high fluid pressure as it passes through a nozzle. After exiting the nozzle, the spray jet takes on the shape dictated by the nozzle. The jet is directed at the workpiece, and the effective spray jet is not quite as wide as theoretically possible.

The particles of the spray jet reach far higher speeds than with spray guns driven by compressed air. Accordingly, the material throughput is higher and the jet more focused (in other words, the swirling zone is smaller). The size and shape of the jet can only be altered by changing the nozzle. The diameter of the nozzle bore determines the material flow volume, while the size and geometry of the elliptically shaped nozzle opening



determine the height and width of the jet (shape of an elliptical cone).

A wide range of airless nozzles are available. The nozzle can be rotated through a 360° in the axis of the spray jet and arrested in any position. This permits optimum adjustment of the angle at which the jet hits the workpiece to the prevailing conditions. The KS model is particularly suitable for use where comparatively large volumes of material are to be processed per unit of time. Compared to spray guns driven by compressed air, a further advantage is that there is less spray mist, ensuring that a far greater proportion of coating material reaches the target surface. Circulation connection is also possible.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 50 MPa (500 bar)
Max. material temperature: 50 °C

Connections

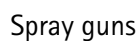
Material connection: G1/4 AG

Weight (without add-on parts)

KS1 ca. 470 g
KS1 with material feed pipe ca. 580 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 60 to 90 dB (A)



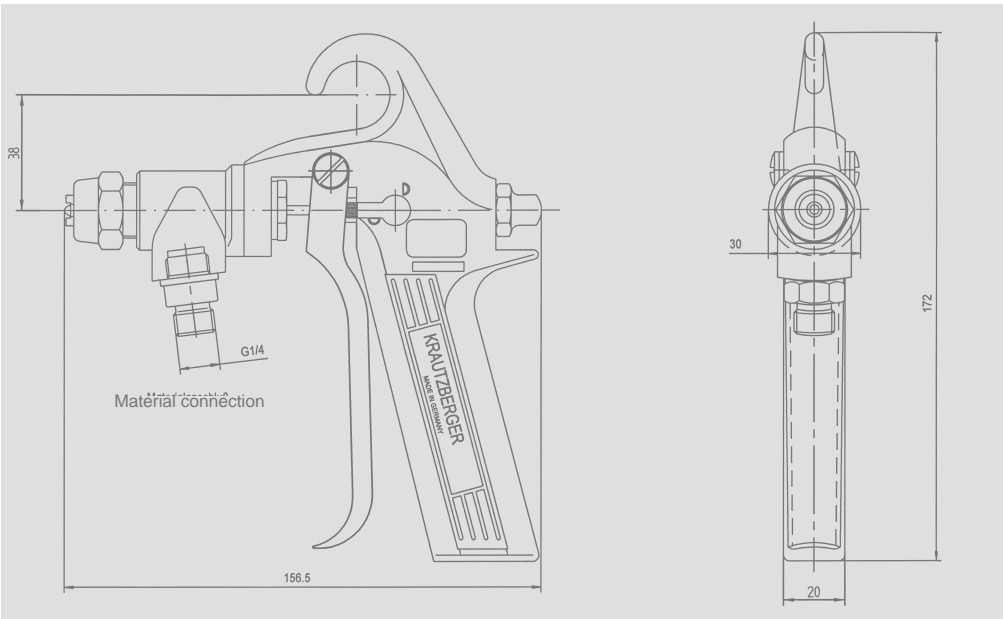
Head section	Aluminium	Stainless steel
Standard version	x	+
with material feed pipe (stainless steel)	+	+
Material connection	Standard	Stainless steel
with rigid connection	x	+
with swivel connection	-	+
The gun is supplied without nozzle.		
Please see the selection chart under "Accessories-Nozzles-Airless atomisation" for information on available nozzles.		
The spray gun KS1-Dickstoff (for high-viscosity materials) is featured in the section "Hand-held spray guns – Special units".		
x no surcharge + surcharge - not available		

KS1 airless spray gun, long trigger

The airless spray gun, type KS1, is used to coat surfaces such as metal, plastic, ceramics, wood and similar materials as well as other suitable surfaces. Typical coating materials include paints, dyes, water-soluble paints, adhesives, oils, release agents etc. The KS1 gun can also be used to process abrasive coating materials at operating pressures below 5 MPa (50 bar). The coating material is supplied to the spray gun in liquid form under high material pressure.

The spray gun works on the "airless" principle – in other words, the spray jet is generated solely by the high fluid pressure as it passes through a nozzle. After exiting the nozzle, the spray jet takes on the shape dictated by the nozzle. The jet is directed at the workpiece, and the effective spray jet is not quite as wide as theoretically possible.

The particles of the spray jet reach far higher speeds than with spray guns driven by compressed air. Accordingly, the material throughput is higher and the jet more focused (in other words, the swirling zone is smaller). The size and shape of the jet can only be altered by changing the nozzle. The diameter of the nozzle bore determines the material flow volume, while the size and geometry of the el-



liptically shaped nozzle opening determine the height and width of the jet (shape of an elliptical cone).

A wide range of airless nozzles are available. The nozzle can be rotated through a 360° in the axis of the spray jet and arrested in any position. This permits optimum adjustment of the angle at which the jet hits the workpiece to the prevailing conditions. The KS model is particularly suitable for use where comparatively large volumes of material are to be processed per unit of time. Compared to spray guns driven by compressed air, a further advantage is that there is less spray mist, ensuring that a far greater proportion of coating material reaches the target surface. Circulation connection is also possible.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 50 MPa (500 bar)
Max. material temperature: 50 °C

Connections

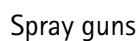
Material connection: G1/4 AG

Weight (without add-on parts)

KS1 ca. 470 g
KS1 with material feed pipe ca. 580 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 60 to 90 dB (A)



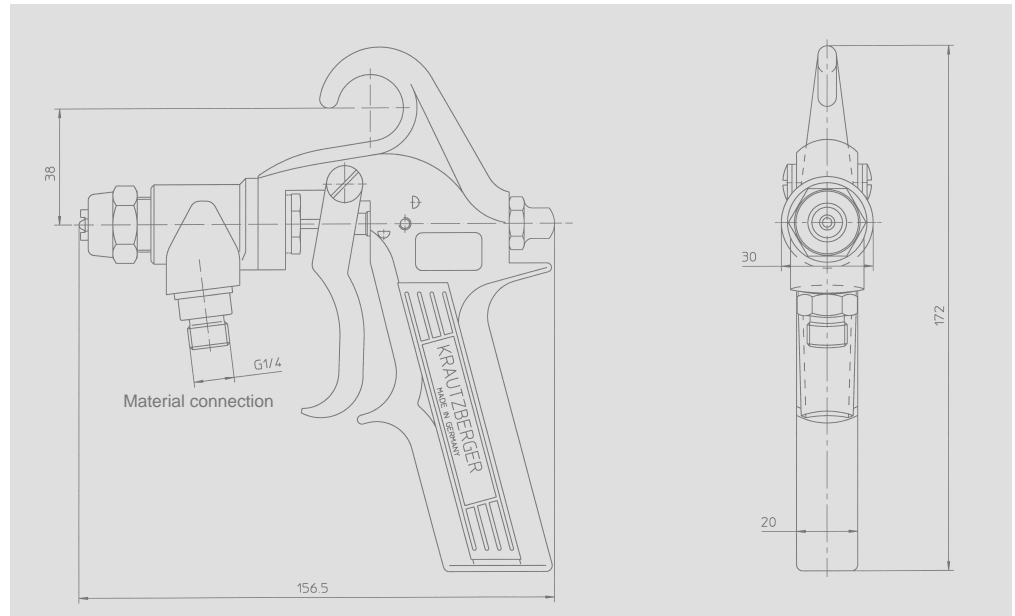
Head section	Aluminium	Stainless steel
Standard version	x	+
with material feed pipe (stainless steel)	+	+
Material connection	Standard	Stainless steel
with rigid connection	x	+
with swivel connection	-	+
The gun is supplied without nozzle.		
Please see the selection chart under "Accessories-Nozzles-Airless atomisation" for information on available nozzles.		
The spray gun KS1-Dickstoff (for high-viscosity materials) is featured in the section "Hand-held spray guns – Special units".		
x no surcharge + surcharge - not available		

KS1 airless spray gun, with circulation connection

The airless spray gun, type KS1, is used to coat surfaces such as metal, plastic, ceramics, wood and similar materials as well as other suitable surfaces. Typical coating materials include paints, dyes, water-soluble paints, adhesives, oils, release agents etc. The KS1 gun can also be used to process abrasive coating materials at operating pressures below 5 MPa (50 bar). The coating material is supplied to the spray gun in liquid form under high material pressure.

The spray gun works on the "airless" principle – in other words, the spray jet is generated solely by the high fluid pressure as it passes through a nozzle. After exiting the nozzle, the spray jet takes on the shape dictated by the nozzle. The jet is directed at the workpiece, and the effective spray jet is not quite as wide as theoretically possible.

The particles of the spray jet reach far higher speeds than with spray guns driven by compressed air. Accordingly, the material throughput is higher and the jet more focused (in other words, the swirling zone is smaller). The size and shape of the jet can only be altered by changing the nozzle. The diameter of the nozzle bore determines the material flow volume, while the size and geometry of the el-



liptically shaped nozzle opening determine the height and width of the jet (shape of an elliptical cone).

A wide range of airless nozzles are available. The nozzle can be rotated through a 360° in the axis of the spray jet and arrested in any position. This permits optimum adjustment of the angle at which the jet hits the workpiece to the prevailing conditions. The KS model is particularly suitable for use where comparatively large volumes of material are to be processed per unit of time. Compared to spray guns driven by compressed air, a further advantage is that there is less spray mist, ensuring that a far greater proportion of coating material reaches the target surface. Circulation connection is also possible.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 50 MPa (500 bar)
Max. material temperature: 50 °C

Connections

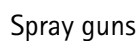
Material connection: G1/4 AG

Weight (without add-on parts)

KS1 ca. 470 g
KS1 with material feed pipe ca. 580 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 60 to 90 dB (A)



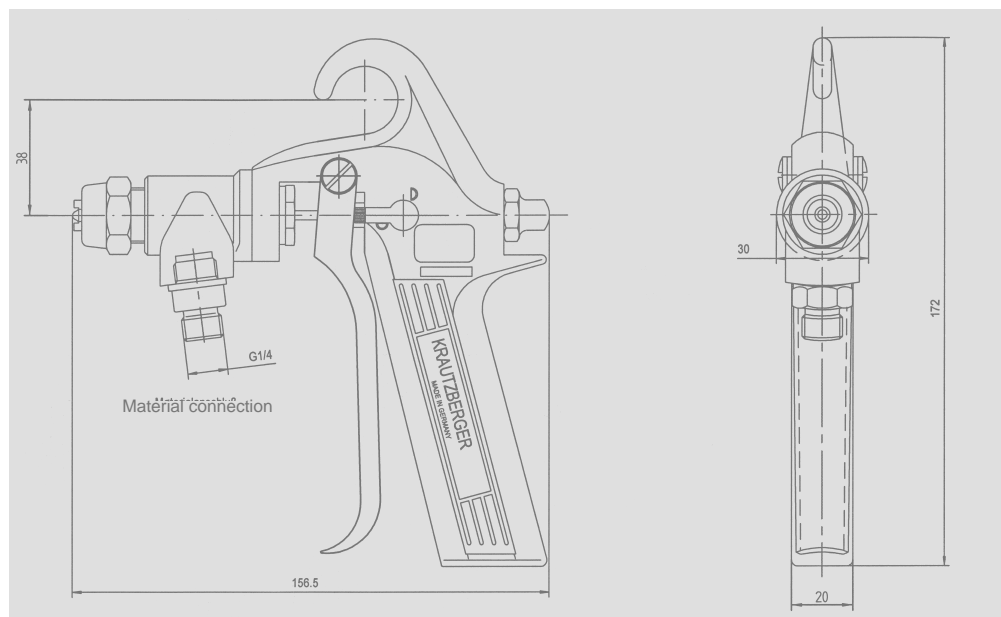
Head section	Aluminium	Stainless steel
Standard version	x	+
with material feed pipe (stainless steel)	+	+
Material connection	Standard	Stainless steel
with rigid connection	x	+
with swivel connection	-	+
The gun is supplied without nozzle.		
Please see the selection chart under "Accessories-Nozzles-Airless atomisation" for information on available nozzles.		
The spray gun KS1-Dickstoff (for high-viscosity materials) is featured in the section "Hand-held spray guns – Special units".		
x no surcharge + surcharge - not available		

KS1 airless spray gun, long trigger, with circulation con- nection

The airless spray gun, type KS1, is used to coat surfaces such as metal, plastic, ceramics, wood and similar materials as well as other suitable surfaces. Typical coating materials include paints, dyes, water-soluble paints, adhesives, oils, release agents etc. The KS1 gun can also be used to process abrasive coating materials at operating pressures below 5 MPa (50 bar). The coating material is supplied to the spray gun in liquid form under high material pressure.

The spray gun works on the "airless" principle – in other words, the spray jet is generated solely by the high fluid pressure as it passes through a nozzle. After exiting the nozzle, the spray jet takes on the shape dictated by the nozzle. The jet is directed at the workpiece, and the effective spray jet is not quite as wide as theoretically possible.

The particles of the spray jet reach far higher speeds than with spray guns driven by compressed air. Accordingly, the material throughput is higher and the jet more focused (in other words, the swirling zone is smaller). The size and shape of the jet can only be altered by changing the nozzle. The diameter of the nozzle bore determines the material flow volume, while



the size and geometry of the elliptically shaped nozzle opening determine the height and width of the jet (shape of an elliptical cone).

A wide range of airless nozzles are available. The nozzle can be rotated through a 360° in the axis of the spray jet and arrested in any position. This permits optimum adjustment of the angle at which the jet hits the workpiece to the prevailing conditions. The KS model is particularly suitable for use where comparatively large volumes of material are to be processed per unit of time. Compared to spray guns driven by compressed air, a further advantage is that there is less spray mist, ensuring that a far greater proportion of coating material reaches the target surface. Circulation connection is also possible.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 50 MPa (500 bar)
Max. material temperature: 50 °C

Connections

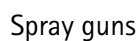
Material connection: G1/4 AG

Weight (without add-on parts)

KS1 ca. 470 g
KS1 with material feed pipe ca. 580 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 60 to 90 dB (A)



Hand-held spray guns

Airless atomisation

**KS1, long trigger, with
circulation connection**

Order no. 0700-200-0199

Head section	Aluminium	Stainless steel
Standard version	x	+
with material feed pipe (stainless steel)	+	+
Material connection	Standard	Stainless steel
with rigid connection	x	+
with swivel connection	-	+
The gun is supplied without nozzle.		
Please see the selection chart under "Accessories-Nozzles-Airless atomisation" for information on available nozzles.		
The spray gun KS1-Dickstoff (for high-viscosity materials) is featured in the section "Hand-held spray guns – Special units".		
x no surcharge + surcharge - not available		



- ❶ Duo H, Slot air
- ❷ Duo H, Horn air



Duo H
Horn air atomisation
Order no. 3200-000

Duo H
Slot air atomisation
Order no. 3210-000

The Krautzberger Duo system can be seen as a further development of the airless system. A well-balanced combination of the airless technique and compressed air produces an optimum homogeneous spray jet offering a wide range of advantages for many applications. As with airless spray guns, atomisation is achieved without air using a special nozzle.

The spray jet is enriched with additional compressed air fed through boreholes which are specially adapted to suit the properties of the material nozzle. This ensures an extremely soft jet.

A far lower operating pressure can be used compared to the pressure required for airless spraying, and gun and pump wear is reduced to a minimum. The low "bounce back" and the soft jet permit coating of "problem parts". In combination with Krautzberger piston pumps and the wide selection of nozzles, the Duo H spray gun can be used to achieve optimum results.

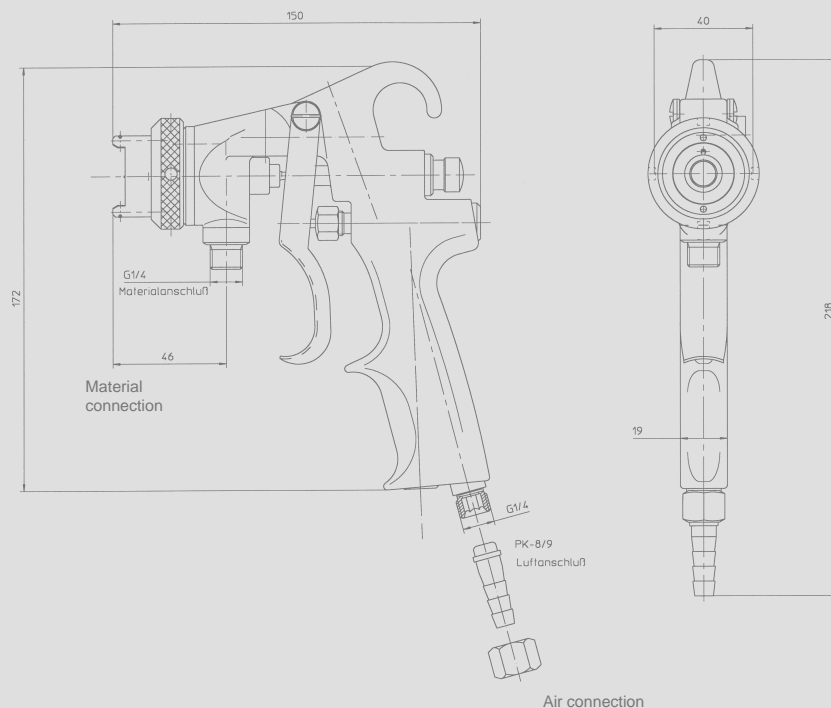
Other versions:

Duo H circulation connection

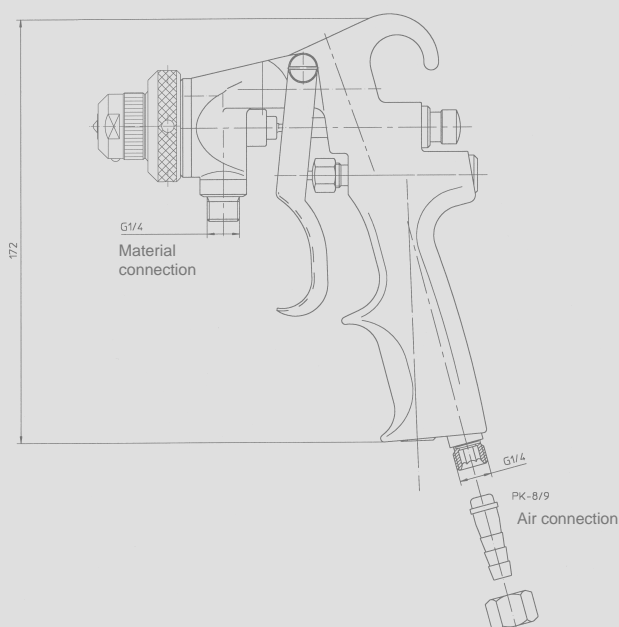
Nozzle selection:

See "Accessories" section

Horn air atomisation



Slot air atomisation



Technical data

Max. material pressure: 10 MPa (100 bar)
Max. material temperature: 50 °C
Max. atomiser air pressure: 1.2 MPa (12 bar)
Material connection: G1/4 AG
Air connection: hose NW 8/9 mm
Weight: approx. 630 g



- ❶ Hot wax spray gun
- ❷ Material extrusion gun
- ❸ Dickstoff, for high-viscosity materials
- ❹ HS 25 2K
- ❺ TFP 1 release agent pistol
- ❻ Underseal/cavity coating gun
- ❼ KS1-D Dickstoff, for high-viscosity materials
- ❽ Blasting gun Rasant



HS 25 2K 2-component gun

The Krautzberger high-performance spray gun HS 25 2K is specifically designed for the spraying of 2-component dispersion adhesives. In this method, one component is atomised via the spray gun using the conventional method or using the low-mist HVLP method.

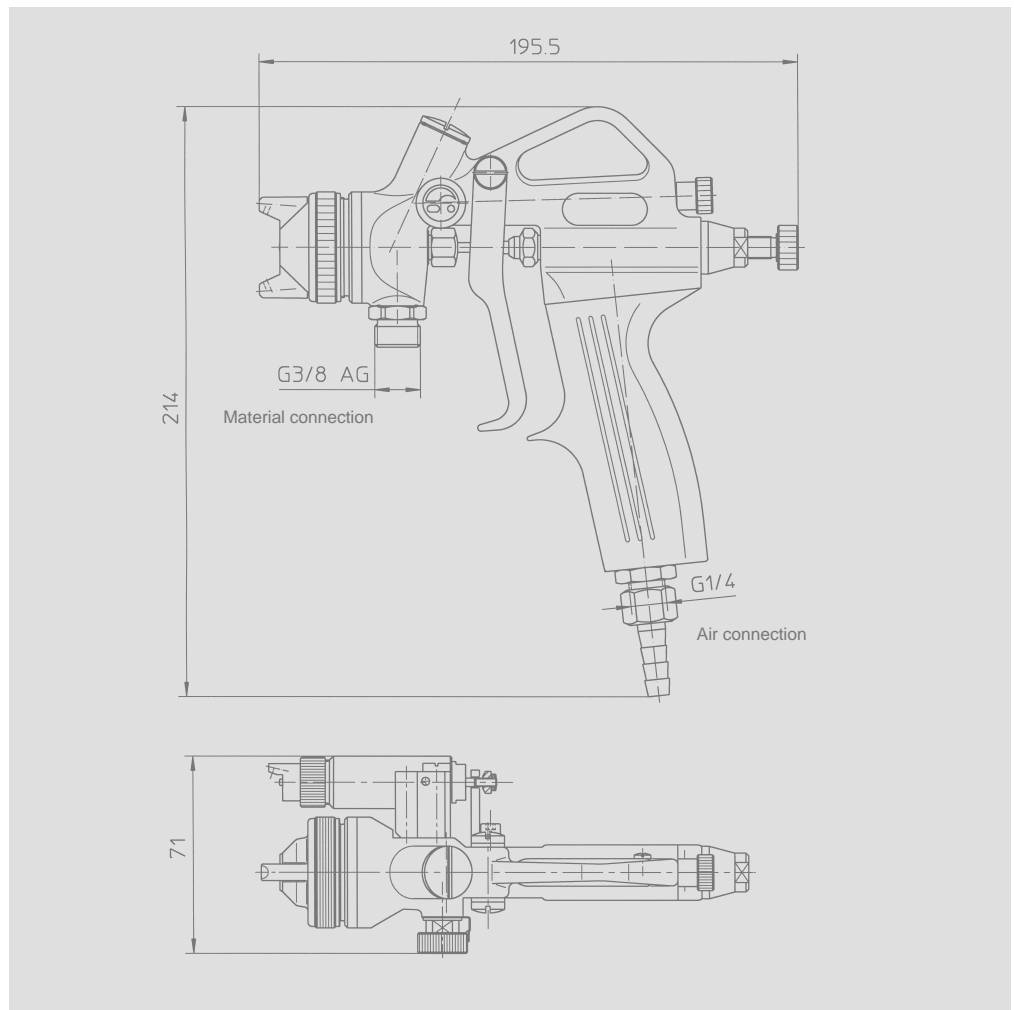
The coating material is fed via a material hose through the bottom connection of the gun. The second component (e.g. activator) is sprayed via an additional atomisation system mounted on the side of the gun. The coating material is fed via a separate material hose.

The two components are mixed in the spray jet, and this excludes the possibility of premature reaction of the material. There is no need to constantly mix the components and there are no predetermined cleaning intervals.

The guns are cleaned after use in the same way as standard spray guns. As it retains the full function of the two air humps, this unique system permits adjustment of flat and circular jets.

All parts coming into contact with the coating material are made of high-grade stainless steel. The gun can be connected to all low-pressure material supply systems.

Use in combination with the Krautzberger diaphragm pumps and material feed containers produces optimum results.



Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.6 MPa (6 bar)
 Max. material temperature (8 hrs contin. duty): 43 °C
 Max. atomiser air pressure: 1.2 MPa (12 bar)
 Max. air temperature: 43 °C

Connections

Suction connection: G3/8 AG
 Atomiser air: hose NW 8/9 mm or G1/4 AG

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)



TFP 1 release agent pistol

The Krautzberger release agent pistol TFP 1 is designed for the fine atomisation of release agents but is also suitable for a wide range of other media.

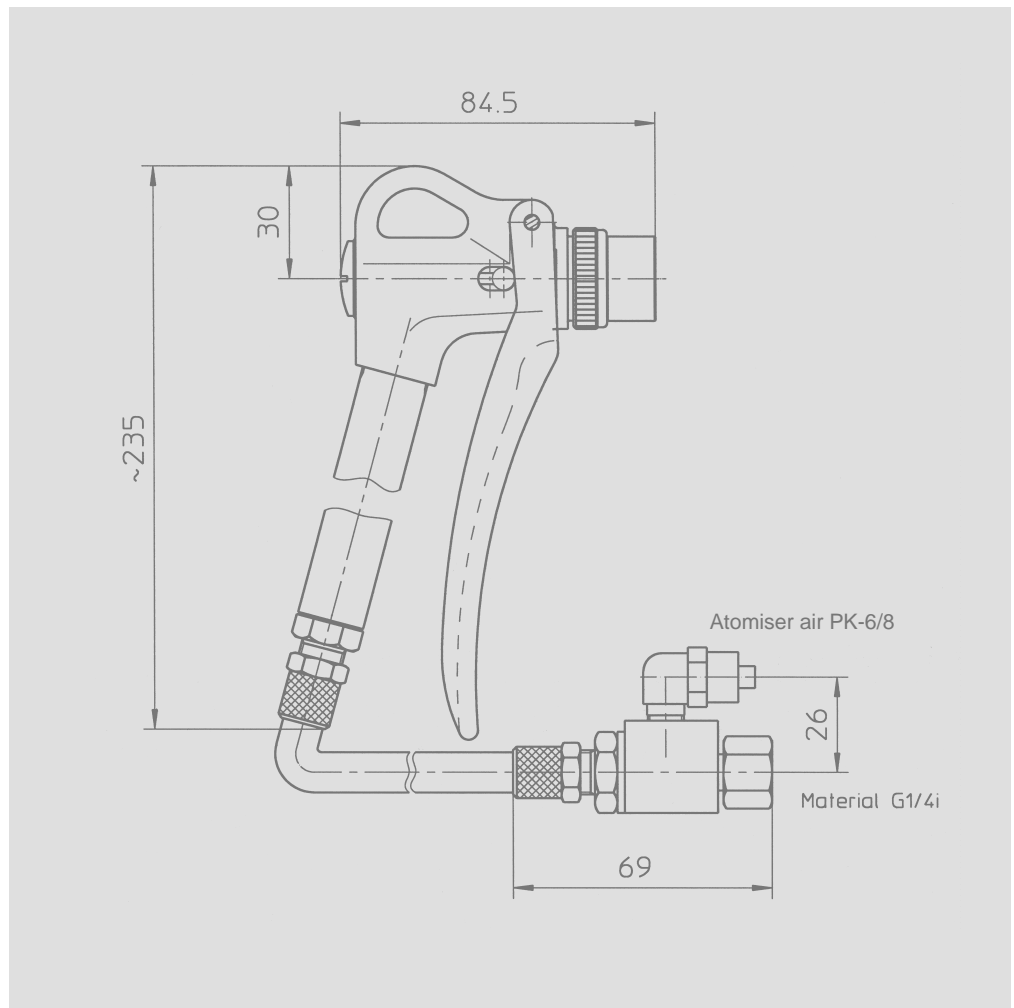
The long gun handle makes it easier to coat workpieces with high backcuts and deep recesses, and the long trigger ensures ergonomically optimised and fatigue-free operation. A model with short handle is also available on request.

Air and material feed is via the Krautzberger hose-in-hose system. In this system, the material hose is routed to the gun through an air hose. A special adapter is used for connection purposes. The ends of the hose are fitted with anti-kink springs to increase work safety.

Material nozzle and material needle are made of stainless steel as standard.

The gun can be connected to all low-pressure material supply systems.

Use in combination with the Krautzberger diaphragm pumps and material feed containers produces optimum results.



Parts in contact with the coating substance

The parts of the release agent gun that come into contact with the coating material are made of aluminium (main element) and stainless steel (material needle and nozzle) as well as brass and plastic.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.6 MPa (6 bar)
 Max. material temperature (8 hrs contin. duty): 43 °C
 Max. atomiser air pressure: 1.2 MPa (12 bar)
 Max. air temperature: 43 °C

Connections

Flow connection: G1/4 i
 Atomiser air: for hose PK 6

Weight

without twin hose: approx. 270 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)

Material and sizes of available accessories

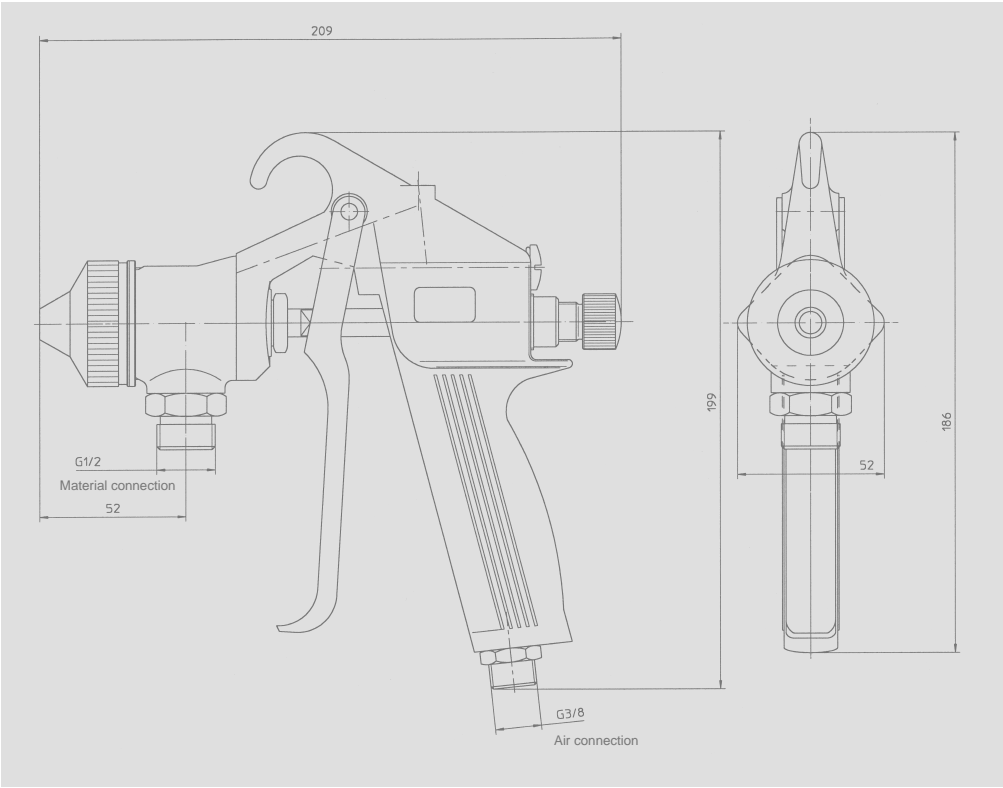
Material nozzles and needles: stainless steel
 Air nozzle brass, nickel-plated
 Nozzle sizes: 0.2; 0.3; 0.5; 0.65; 0.8; 1.0; 1.2; 1.5; 1.8 mm
 Other nozzles: see Accessories



Spray gun Combi Dickstoff for high-viscosity materials

The spray gun Dickstoff is fitted with large material and air passages and is therefore particularly suitable for spraying highly viscous media such as insulation and sealing agents or sound-proofing materials.

The gun is supplied as standard with a stainless steel-lined circular jet nozzle. This nozzle is also available in hardened design on request.



Air consumption			
Nozzle diameter	6 mm	9 mm	12 mm
3 bar l/min	510	650	800
4 bar l/min	530	670	825
5 bar l/min	530	700	860
Order no.	090-1038	090-1039	090-1040

Technical data

Nozzle diameter: 6, 9, 12 mm
Material connection: G 1/2" AG
Air connection: G 3/8" AG
Weight: approx. 1100 g

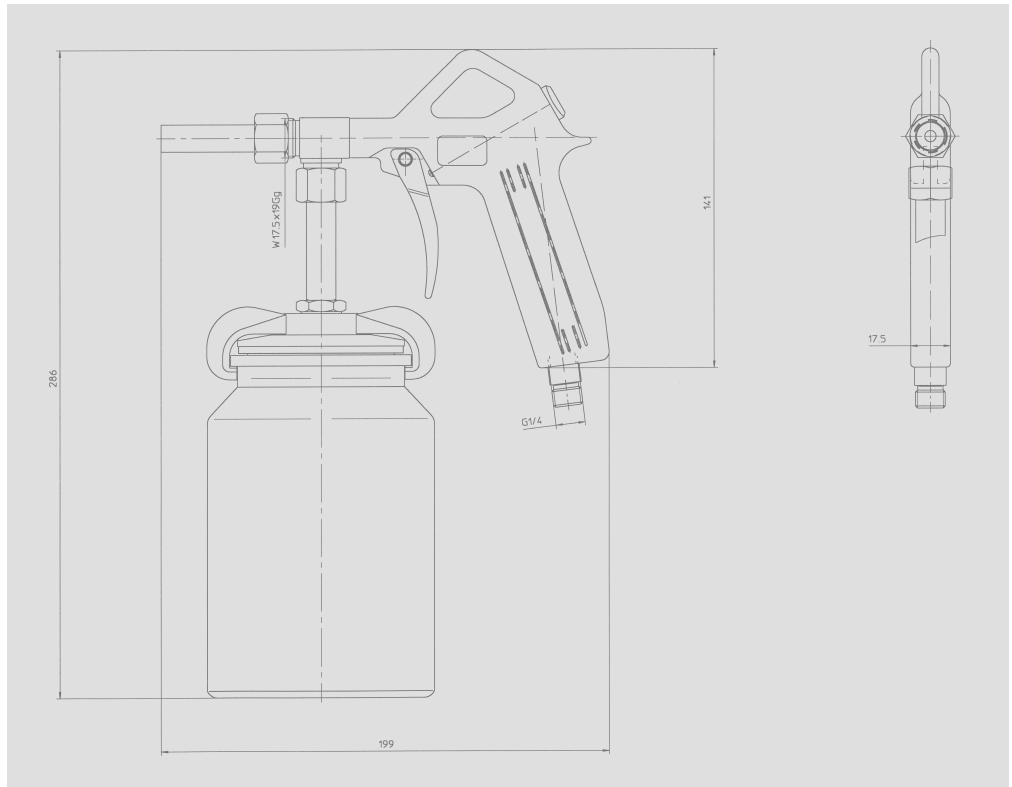


Blasting gun Rasant

The Krautzberger spray gun Rasant is suitable for all commercially available blasting agents such as copper slag, blast furnace slag, steel shot, corundum, glass pearls, granulated nut shells etc. with a grain size of 0.1 to 0.8 mm.

The Rasant gun is used for removing rust from car body parts, car wing edges, door joints, wheel rims etc. that are extremely hard to get at, for descaling welding joints, for frosting and scale marking of glass bodies and plastic components, for blasting of stone cutters' inscriptions and blasting of ingot moulds, for roughening of chamois leather or gluing edges on plastic components, and for enhancing the grain of wooden parts.

The Rasant is fitted with a hard material blasting nozzle (ceramic oxide) as standard. Tungsten carbide nozzles are also available on request.



Technical data

Gun element: high-grade aluminium alloy
 Max. blower air: 1.2 MPa (12 bar)
 Max. air temperature: 50 °C
 Air connection: hose NW 8/9 mm or G1/4" AG
 Air consumption at 5 bar: approx. 200 l/min.
 Suction cup: aluminium, capacity 1000 ml
 Weight: approx. 685 g
 Nozzle diameter ø: 4 mm

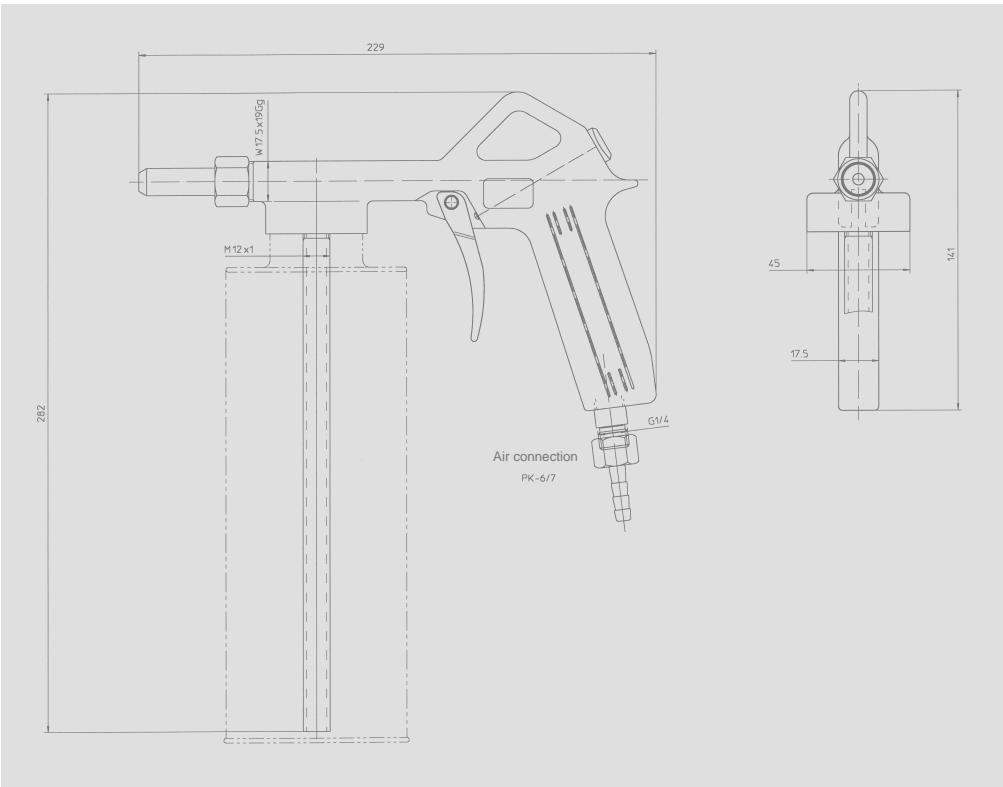


Underseal/cavity coating gun

The Krautzberger underseal gun is specially designed for the spraying of highly viscous media such as underseal, anti-noise agents, soundproofing agents or sealing materials.

The media are sprayed direct from a commercially available one-way container. The resulting surface quality is always perfect even when the coating materials are relatively thick. Even with the screwed-on 1-litre one-way container, the gun is easy to handle.

A version with flexible extension is available for spraying cavity coating agents. Using a conversion kit, the underseal gun is easily turned into a cavity coating gun.



Versions	Order no.
Standard version with short nozzle	2201-000
With hose nozzle, 700 mm long, for applying cavity coatings	2202-000
Standard version with short nozzle plus conversion kit for cavity coating	2203-000
Conversion kit for cavity coating	2202-640

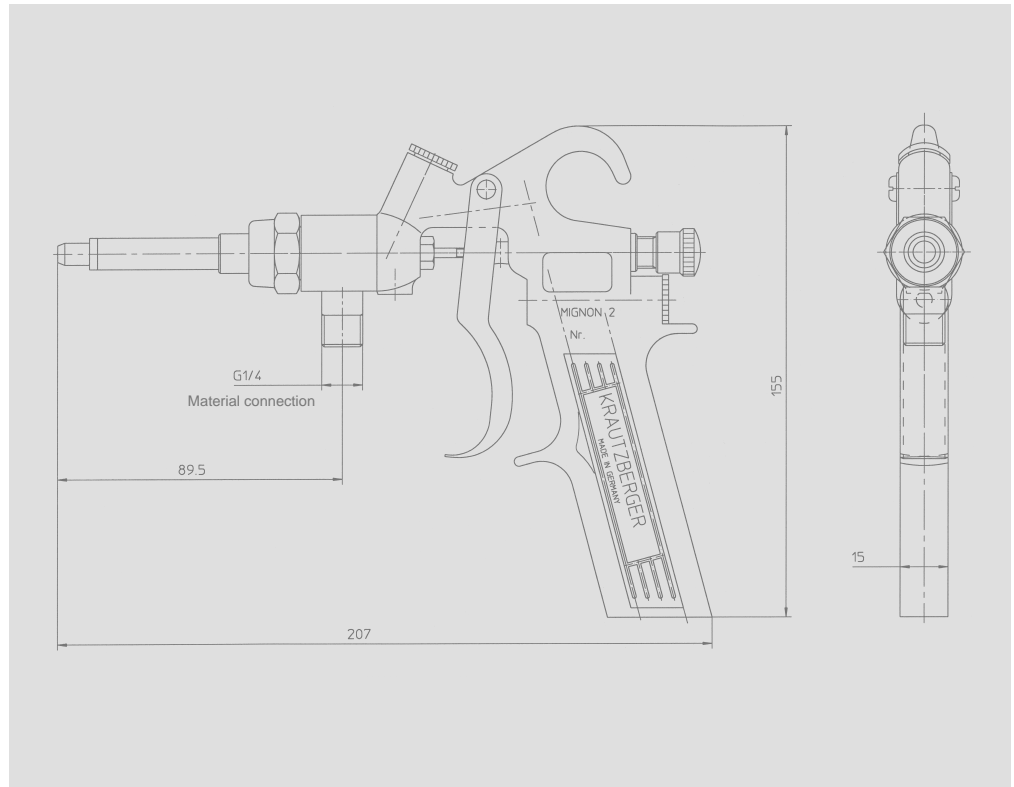
Technical data

Gun element: high-grade aluminium alloy
Operating pressure (depending on material): 3-5 bar
Air consumption at 4 bar: approx. 240 l/min.
Weight: approx. 350 g



Material extrusion gun

The material extrusion gun is a handy, lightweight unit for applying sealants, putty, white glue and similar mastic agents. Material supply is via a material pressure feed container or a pump, and pressures of up to 100 bar are possible. A wide range of special versions are available.



Versions	Order no.
With dowel-hole nozzle	4920-000
With thread nozzle (stainless steel)	4909-000
With thread nozzle	4910-000
With slit nozzle 10 x 1 mm	4925-000
With slit nozzle 20 x 1,5 mm	4926-000
With slit nozzle 50 x 1,5 mm	4927-000

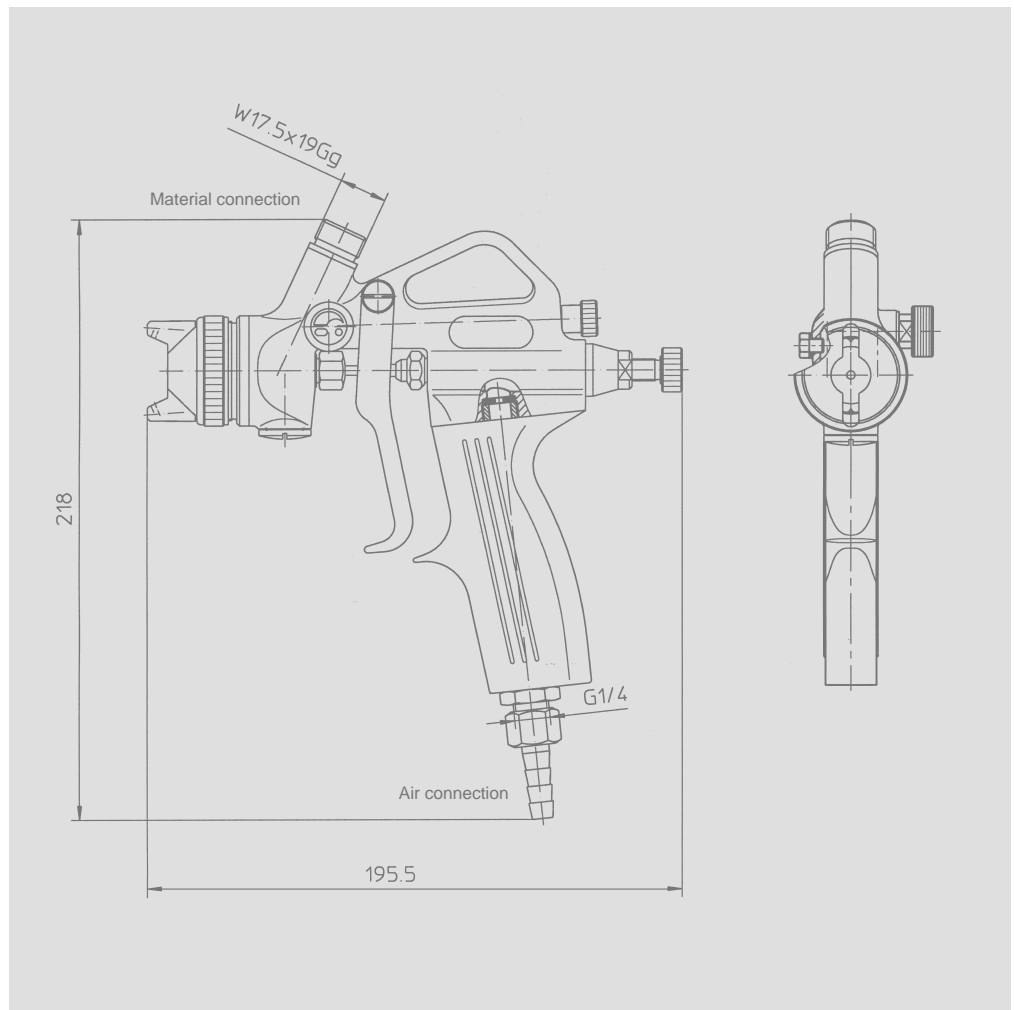
Hot wax spray gun

The proven high-performance spray gun HS 25 has been equipped with a heatable cup and a heatable air cap for spraying heated media.

The temperature can be steplessly adjusted up to 80°C. A special automatic feature prevents material overheating. The excellent heat conductivity of the gun element ensures evenly distributed heating of the atomiser air.

The gun has all the functions of the high-performance spray gun HS 25.

The Krautzberger hot wax gun is not suitable for use with materials containing solvents.



The hot wax spraying unit consists of the handheld spray gun HS 25 (conventional or HVLP version), a control unit with temperature adjuster, a heatable nozzle head and cup, and a hose package.

Technical data

Voltage: 230 V AC 50/60 Hz
 Heating: 40 V DC
 Weight: approx. 350 g
 Nozzle sizes: 0.2 – 2.5 mm
 Special sizes on request

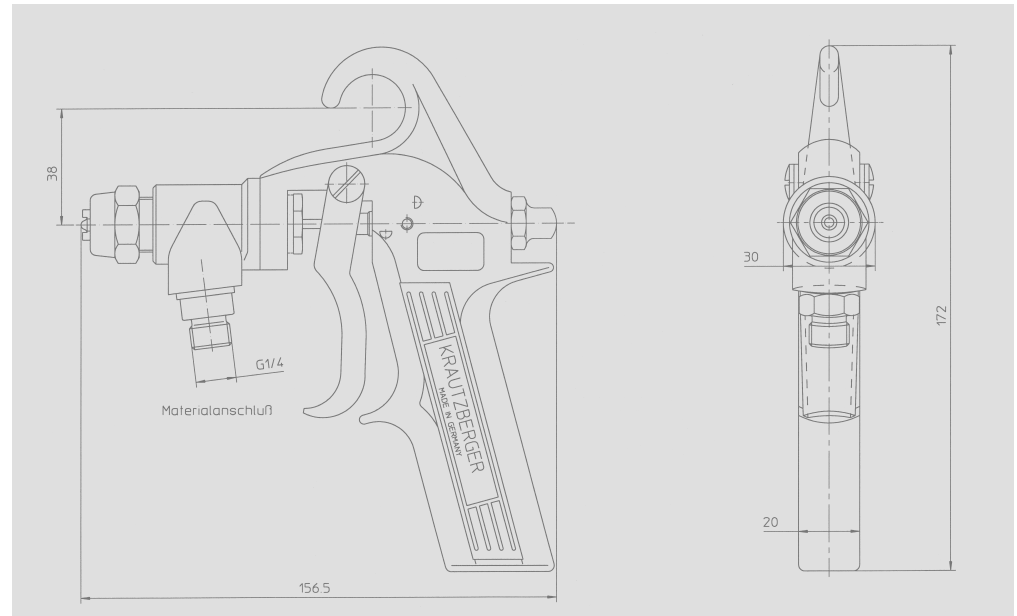


The airless spray gun KS1-D Dickstoff, for high-viscosity materials

The airless spray gun KS1-D Dickstoff is fitted with material passages with extended cross-section and is used for application of highly viscous materials to coating surfaces. The coating material is fed to the spray gun in liquid form under high material pressure.

The spray gun works on the "airless" principle – in other words, the spray jet is generated solely by the high fluid pressure as it passes through a nozzle. After exiting the nozzle, the spray jet takes on the shape dictated by the nozzle. The jet is directed at the workpiece, and the effective spray jet is not quite as wide as theoretically possible.

The particles of the spray jet reach far higher speeds than with spray guns driven by compressed air. Accordingly, the material throughput is higher and the jet more focused (in other words, the swirling zone is smaller). The size and shape of the jet can only be altered by changing the nozzle. The diameter of the nozzle bore determines the material flow volume, while the size and geometry of the el-



liptically shaped nozzle opening determine the height and width of the jet (shape of an elliptical cone).

A wide range of airless nozzles are available. The nozzle can be rotated through a 360° in the axis of the spray jet and arrested in any position. This permits optimum adjustment of the angle at which the jet hits the workpiece to the prevailing conditions. The KS model is particularly suitable for use where comparatively large volumes of material are to be processed per unit of time. Compared to spray guns driven by compressed air, a further advantage is that there is less spray mist, ensuring that a far greater proportion of coating material reaches the target surface. Circulation connection is also possible.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 50 MPa (500 bar)
Max. material temperature: 50 °C

Connections

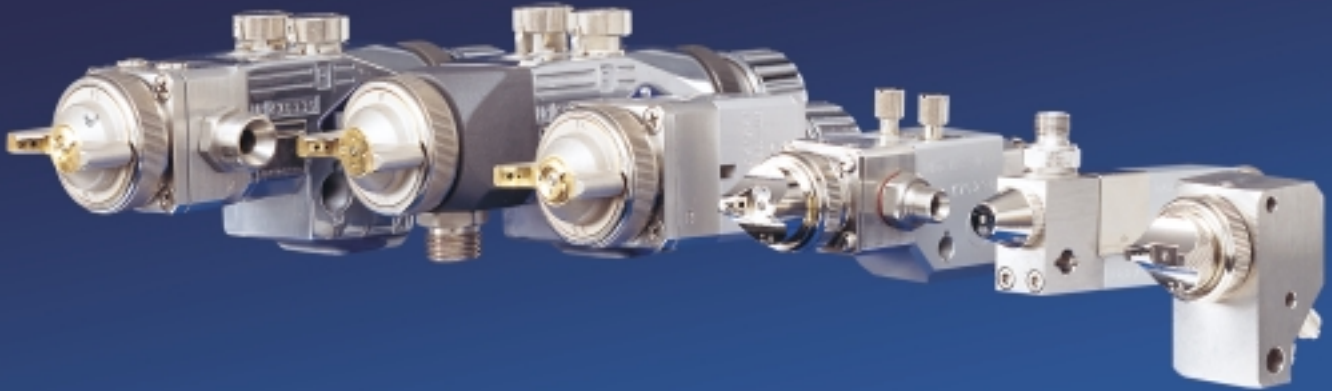
Material connection: G1/4 AG

Weight (without add-on parts)

KS1 ca. 470 g
KS1 with material feed pipe ca. 580 g

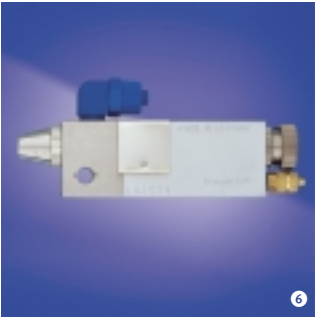
Noise emission

Contin. sound pressure level, nozzle-dependent: 60 to 90 dB (A)





- ❶ RA 2 with needle stroke adjuster
- ❷ M 10
- ❸ MA 1
- ❹ A 11
- ❺ A 10
- ❻ Mikro 3
- ❼ RA 2 without needle stroke adjuster



Automatic spray gun A 10

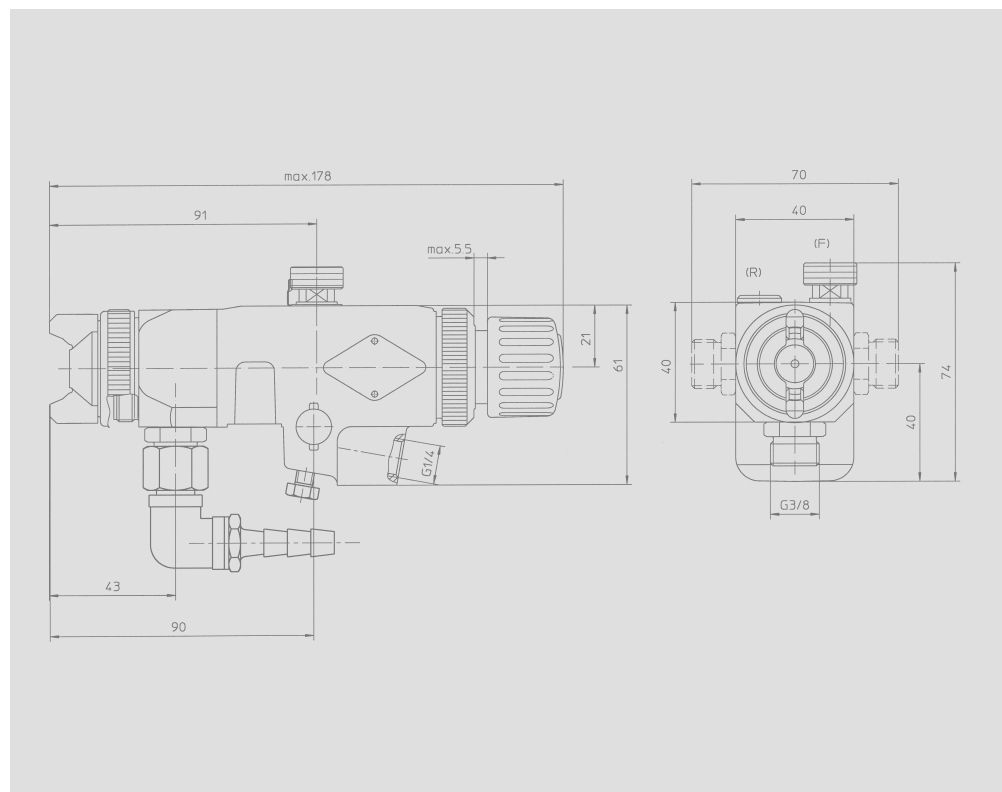
The high-performance automatic spray gun A 10 essentially consists of two parts: the control section and the fluid head section.

The standard hard-coated head section can be removed from the control section by unscrewing just one screw.

The control system is activated by a 3/2-way valve. When switching on, the compressed air-driven control piston first opens the spray air valve and then – a short time later – the material nozzle of the gun. During switch-off, the material nozzle is closed, and then the spray air valve. This control procedure ensures faster working and prevents material nozzle drip.

The practical design of the A 10 makes it extremely repair-friendly and facilitates low maintenance and cleaning. The compact design and the low weight permit use of the A 10 under even the most unfavourable mounting conditions (e.g. in spraying machines and spraying robots).

There are various options for material feed. Guns are available with a range of material connec-



tions as well as circulation connections. There is also a wide selection of nozzles and needles of different sizes. The spray gun can of course also be used in combination with our material feed containers, diaphragm pumps and regulators.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 1.2 MPa (12 bar)
 Max. material temperature: 100°C
 Max. atomiser air pressure: 0.8 MPa (8 bar)
 Min. control air pressure: 0.4 MPa (4 bar)
 Max. control air pressure: 0.8 MPa (8 bar)
 Max. air temperature: 50°C

Connections

Material (M): G3/8 AG
 Atomiser air (Z): G1/4 IG
 recommended smallest clearance: 8 mm
 with max. 4 metre line length
 Control air (St) G1/4 IG
 recommended smallest clearance: 4 mm
 with max. 4 metre line length

Weight

AI version: 700 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)



Head section				Hard-coated										
with single connection				-										
with bottom connection				x										
with circulation connection				+										
Main element		Aluminium, anodised			Hard-coated									
with flat jet regulator		x			+									
with flat jet regulator and separate circular jet regulator		+			+									
Air nozzle / brass, chemically nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Rotary jet "D"	-	-	-	-	-	-	+	-	-	-	-	-	-	-
Air nozzle / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Rotary jet "D"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Rotary jet "DK"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Rotary jet "DT"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Rotary jet "DX"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Rotary jet "DZ"				one size for 0.3 mm B 2.5 mm							-	-	-	-
Rotary jet "DZ6"				one size for 0.3 mm B 2.5 mm							-	-	-	-
Rotary jet "DZ8"				one size for 0.3 mm B 2.5 mm							-	-	-	-
Rotary jet "DZ12"				one size for 0.3 mm B 2.5 mm							-	-	-	-
Flat / Circular "C"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Flat / Circular "DC"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Flat / Circular "DE"	-	x	x	x	x	x	x	x	-	x	x	x	-	-
Flat / Circular "E"	x	x	x	x	x	x	x	x	-	x	x	x	-	-
Flat / Circular "F" (Standard)	x	x	x	x	x	x	x	x	x	x	x	x	-	-
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "G"	-	-	-	+	+	+	+	+	-	+	-	+	-	-
Flat / Circular "G1"	-	-	+	+	+	-	+	-	-	-	-	-	-	-
Flat / Circular "GG"	-	-	-	-	-	+	+	+	+	+	+	-	-	-
Flat / Circular "GG2"	-	-	-	-	-	+	+	+	-	-	-	-	-	-
Circular "R"	x	x	x	x	x	x	x	x	-	x	x	x	x	x
Mottle "SP"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Air nozzle / MS PTFE-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "DC"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "DE"	-	x	+	+	+	+	+	+	-	+	+	+	-	-
Flat / Circular "E"	+	+	+	+	+	+	+	+	-	+	+	+	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Air nozzle / POM / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	+	+	+	+	+	+	+	-	-	-	-	-	-	-
Flat / Circular "E"	-	-	-	-	+	+	-	-	-	+	-	-	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	-	-	-	-	-	-	-
Air nozzle / Aluminium / Hard-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	-	+	+	+	-	-	-	-	-	-	-	-	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	-	-	-



Material nozzle / Stainless steel / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0	
Rotary jet "D"	-	x	x	x	x	x	x	x	-	x	x	x	x	x	
Rotary jet "DT"	-	-	-	-	-	+	-	-	-	+	-	-	-	-	
Flat / Circular "FF"	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Flat / Circular "FL" (Standard)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Circular "R"	x	x	x	x	x	x	x	x	-	x	x	x	x	x	
Mottle "SP"	-	-	-	-	-	+	-	-	-	+	-	-	-	-	
Full-cone rotary jet "DZ"	+	+	+	+	+	+	+	+	-	+	-	-	-	-	
Material nozzle / Stainless steel, hardened / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0	
Rotary jet "D"	-	+	+	+	+	+	+	+	-	+	+	+	+	+	
Flat / Circular "FF"	-	-	-	-	-	-	+	-	-	+	-	-	-	-	
Flat / Circular "FL"	+	+	+	+	+	+	+	+	-	+	+	+	+	+	
Circular "R"	+	+	+	+	+	+	+	+	-	+	+	+	+	+	
Material nozzle / POM / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0	
Flat / Circular "FL"	-	+	+	+	+	+	+	+	-	-	-	-	-	-	
Material nozzle / Aluminium / Hard coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0	
Flat / Circular "FL"	+	+	+	+	+	+	-	-	-	-	-	-	-	-	
Material nozzle / Tungsten carbide / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0	
Flat / Circular "FL"	-	-	-	-	+	+	+	+	+	+	-	-	-	-	
Material needle / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0	
Stainless steel (Standard)	x	x	x	x	x	x	x	x	x	x	-	-	-	-	
Stainless steel / Hardened	+	+	+	+	+	+	+	+	+	+	-	-	-	-	
Stainless steel / Hard chrome-plated	+	+	+	+	+	+	+	+	-	+	-	-	-	-	
Tungsten carbide	-	-	-	-	+	+	+	+	+	+	-	-	-	-	
Plastic	+	+	+	+	+	+	+	+	+	+	+	-	-	-	
Stainless steel / Protruding needle	-	+	+	+	+	+	+	+	-	+	-	-	-	-	
Aluminium / Hard-coated	+	+	+	+	+	+	+	+	+	+	-	-	-	-	
Stainless steel / Reinforced head section	-	-	-	-	-	-	-	-	-	-	+	+	+	+	
Stainless steel / Reinforced head section / Hardened	-	-	-	-	-	-	-	-	-	-	+	+	+	+	
Material connections															
Hose nozzle	Brass		Brass, nickel-pl.		Stainless steel		Plastic								
DN 6/7	+		+		-		-								
DN 8/9	+		+		+		+								
DN 10/11	+		-		+		-								
DN 12/13	+		-		-		-								
Circulation			Brass, nickel-pl.		Stainless steel		Aluminium								
G 3/8" IG			+		+		+								
Connection tap	Brass														
G 3/8" IG	+														
Reducing nipple	G 1/4" AG														
G 3/8" IG	+														
Fast screw connection	Brass		Brass, nickel-pl.		Stainless steel		Aluminium		PA						
PK 4	-		+		-		-		-						
PK 6	+		+		+		+		+						
PK 8	+		+		-		-		+						
PK 9	-		-		-		+		-						
Connection angle 90°	Brass		Stainless steel												
G 3/8" IG with hose nozzle DN 8/9	x		+												
G 3/8" IG with ball tap and hose nozzle DN 8/9	+		+												
G 3/8" IG x G 1/4" IG	+		+												
x no surcharge + surcharge - not available															

Air connections						
Hose nozzle	Brass	Brass, nickel-pl.				
DN 4	+	-				
DN 6/7	+	+				
DN 8/9	+	+				
DN 10	+	+				
Rapid fix coupling	DN 6/7	DN 8/9	G 1/4" IG			
G 1/4" IG	+	+	+			
Fast screw connection	Brass	Brass, nickel-pl.	Stainless steel	Aluminium	PA	POM
PK 4	+	+	+	+	+	+
PK 4, swivels by 90°	+	-	-	+	-	-
PK 6	+	+	+	+	+	+
PK 4, swivels by 90°	+	-	-	+	-	-
PK 8	+	+	-	-	+	-
PK 4, swivels by 90°	+	-	-	-	-	-
PK 9	-	-	-	+	-	+
Needle packing	Sealing washer			Slotted ring		
Seal screw	PA-6	Leather	PE	NBR	PTFE	UHMW
Aluminium, hard-coated	+	-	-	-	-	-
Stainless steel	+	+	+	+	+	+
Brass	+	-	+	+	+	+
Brass, nickel-plated	+	-	-	-	-	-
Control piston gasket	PTFE	"Viton"				
Slotted ring	+	+				
x no surcharae + surcharae - not available						

Automatic spray gun A 11

The high-performance automatic spray gun A 11 essentially consists of two parts: the control section and the fluid head section.

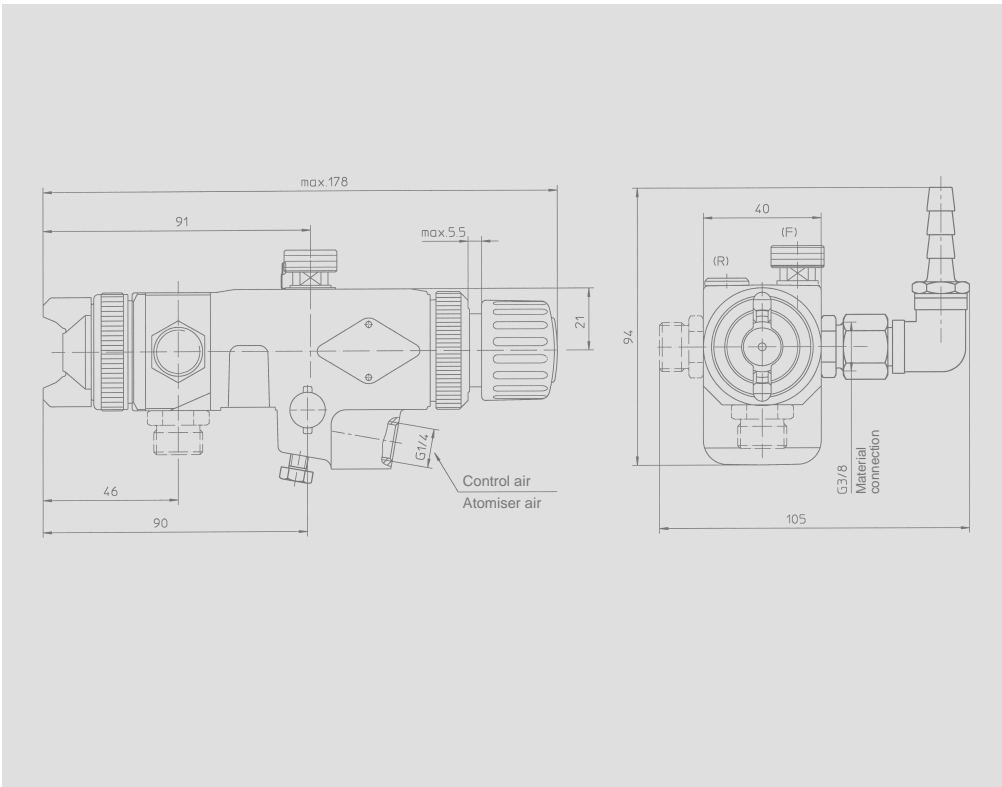
The standard hard-coated head section is also available in stainless steel and can be removed from the control section by unscrewing just one screw.

The control system is activated by a 3/2-way valve. When switching on, the compressed air-driven control piston first opens the spray air valve and then – a short time later – the material nozzle of the gun. During switch-off, the material nozzle is closed, and then the spray air valve. This control procedure ensures faster working and prevents material nozzle drip.

The practical design of the A 11 makes it extremely repair-friendly and facilitates low maintenance and cleaning. The compact design and the low weight permit use of the A 11 under even the most unfavourable mounting conditions (e.g. in spraying machines and spraying robots).

There are various options for material feed. Guns are available with a range of material connec-

tion hose nozzles as well as circulation connections. There is also a wide selection of nozzles and needles of different sizes. The spray gun can of course also be used in combination with our material feed containers, diaphragm pumps and regulators.



Technical data

Operating pressures / Operating temperature

Max. material pressure:	1.2 MPa (12 bar)
Max. material temperature:	100 °C
Max. atomiser air pressure:	0.8 MPa (8 bar)
Min. control air pressure:	0.4 MPa (4 bar)
Max. control air pressure:	0.8 MPa (8 bar)
Max. air temperature:	50 °C

Connections

Material (M):	G3/8 AG
Atomiser air (Z):	G1/4 IG
recommended smallest clearance:	8 mm
with max. 4 metre line length	
Control air (St):	G1/4 IG
recommended smallest clearance:	4 mm
with max. 4 metre line length	

Weight

Al version:	750 g
Stainless steel version:	960 g

Noise emission

Contin. sound pressure level, nozzle-dependent:	73 to 96 dB (A)
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Head section	Aluminium, anodised		Stainless steel											
with single connection	x		+											
with bottom connection	+		+											
with circulation connection	+		+											
Main element	Standard		Hard-coated											
with flat jet regulator	x		+											
with flat jet regulator and separate circular jet regulator	+		+											
Air nozzle / brass, chemically nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Rotary jet "D"	-	-	-	-	-	-	+	-	-	-	-	-	-	-
Air nozzle / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Rotary jet "D"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Rotary jet "DK"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Rotary jet "DT"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Rotary jet "DX"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Rotary jet "DZ"				one size for 0.3 mm B 2.5 mm							-	-	-	-
Rotary jet "DZ6"				one size for 0.3 mm B 2.5 mm							-	-	-	-
Rotary jet "DZ8"				one size for 0.3 mm B 2.5 mm							-	-	-	-
Rotary jet "DZ12"				one size for 0.3 mm B 2.5 mm							-	-	-	-
Flat / Circular "C"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Flat / Circular "DC"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Flat / Circular "DE"	-	x	x	x	x	x	x	x	-	x	x	x	-	-
Flat / Circular "E"	x	x	x	x	x	x	x	x	-	x	x	x	-	-
Flat / Circular "F" (Standard)	x	x	x	x	x	x	x	x	x	x	x	x	-	-
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	+	-	-
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "G"	-	-	-	+	+	+	+	+	-	+	-	+	-	-
Flat / Circular "G1"	-	-	+	+	+	-	+	-	-	-	-	-	-	-
Flat / Circular "GG"	-	-	-	-	-	+	+	+	+	+	+	-	-	-
Flat / Circular "GG2"	-	-	-	-	-	+	+	+	-	-	-	-	-	-
Circular "R"	x	x	x	x	x	x	x	x	-	x	x	x	x	x
Mottle "SP"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Air nozzle / MS PTFE-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "DC"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "DE"	-	x	+	+	+	+	+	+	-	+	+	+	-	-
Flat / Circular "E"	+	+	+	+	+	+	+	+	-	+	+	+	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F1"	-	-	+	+	+	+	+	+	+	+	+	-	-	-
Flat / Circular "F2"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Flat / Circular "F4"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Flat / Circular "F6"	-	+	+	+	+	+	+	+	+	+	-	-	-	-
Air nozzle / POM / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	+	+	+	+	+	+	+	-	-	-	-	-	-	-
Flat / Circular "E"	-	-	-	-	+	+	-	-	-	+	-	-	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	-	-	-	-	-	-	-
Air nozzle / Aluminium / Hard-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "C"	-	+	+	+	-	-	-	-	-	-	-	-	-	-
Flat / Circular "F"	+	+	+	+	+	+	+	+	+	+	+	-	-	-
x no surcharge + surcharge - not available														



Material nozzle / Stainless steel / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Rotary jet "D"	-	x	x	x	x	x	x	x	-	x	x	x	x	x
Rotary jet "DT"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Flat / Circular "FF"	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Flat / Circular "FL" (Standard)	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Circular "R"	x	x	x	x	x	x	x	x	-	x	x	x	x	x
Mottle "SP"	-	-	-	-	-	+	-	-	-	+	-	-	-	-
Full-cone rotary jet "DZ"	+	+	+	+	+	+	+	+	-	+	-	-	-	-
Material nozzle / Stainless steel, hardened / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Rotary jet "D"	-	+	+	+	+	+	+	+	-	+	+	+	+	+
Flat / Circular "FF"	-	-	-	-	-	-	+	-	-	+	-	-	-	-
Flat / Circular "FL"	+	+	+	+	+	+	+	+	-	+	+	+	+	+
Circular "R"	+	+	+	+	+	+	+	+	-	+	+	+	+	+
Material nozzle / POM / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "FL"	-	+	+	+	+	+	+	+	-	-	-	-	-	-
Material nozzle / Aluminium / Hard coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "FL"	+	+	+	+	+	+	-	-	-	-	-	-	-	-
Material nozzle / Tungsten carbide / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Flat / Circular "FL"	-	-	-	-	+	+	+	+	+	+	-	-	-	-
Material needle / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Stainless steel (Standard)	x	x	x	x	x	x	x	x	x	x	-	-	-	-
Stainless steel / Hardened	+	+	+	+	+	+	+	+	+	+	-	-	-	-
Stainless steel / Hard chrome-plated	+	+	+	+	+	+	+	+	-	+	-	-	-	-
Tungsten carbide	-	-	-	-	+	+	+	+	+	+	-	-	-	-
Plastic	+	+	+	+	+	+	+	+	+	+	+	-	-	-
Stainless steel / Protruding needle	-	+	+	+	+	+	+	+	-	+	-	-	-	-
Aluminium / Hard-coated	+	+	+	+	+	+	+	+	+	+	-	-	-	-
Stainless steel / Reinforced head section	-	-	-	-	-	-	-	-	-	-	+	+	+	+
Stainless steel / Reinforced head section / Hardened	-	-	-	-	-	-	-	-	-	-	+	+	+	+
Material connections														
Hose nozzle	Brass		Brass, nickel-pl.		Stainless steel		Plastic							
DN 6/7	+		+		-		-							
DN 8/9	+		+		+		+							
DN 10/11	+		-		+		-							
DN 12/13	+		-		-		-							
Circulation			Brass, nickel-pl.		Stainless steel		Aluminium							
G 3/8" IG			+		+		+							
Connection tap	Brass													
G 3/8" IG	+													
Reducing nipple	G 1/4" AG													
G 3/8" IG	+													
Fast screw connection	Brass		Brass, nickel-pl.		Stainless steel		Aluminium		PA					
PK 4	-		+		-		-		-					
PK 6	+		+		+		+		+					
PK 8	+		+		-		-		+					
PK 9	-		-		-		+		-					
Connection angle 90°	Brass				Stainless steel									
G 3/8" IG with hose nozzle DN 8/9	x				+									
G 3/8" IG with ball tap and hose nozzle DN 8/9	+				+									
G 3/8" IG x G 1/4" IG	+				+									
x no surcharge + surcharge - not available														

Air connections						
Hose nozzle	Brass	Brass, nickel-pl.				
DN 4	+	-				
DN 6/7	+	+				
DN 8/9	+	+				
DN 10	+	+				
Rapid fix coupling	DN 6/7	DN 8/9	G 1/4" IG			
G 1/4" IG	+	+	+			
Fast screw connection	Brass	Brass, nickel-pl.	Stainless steel	Aluminium	PA	POM
PK 4	+	+	+	+	+	+
PK 4, swivels by 90°	+	-	-	+	-	-
PK 6	+	+	+	+	+	+
PK 4, swivels by 90°	+	-	-	+	-	-
PK 8	+	+	-	-	+	-
PK 4, swivels by 90°	+	-	-	-	-	-
PK 9	-	-	-	+	-	+
Needle packing	Sealing washer			Slotted ring		
Seal screw	PA-6	Leather	PE	NBR	PTFE	UHMW
Aluminium, hard-coated	+	-	-	-	-	-
Stainless steel	+	+	+	+	+	+
Brass	+	-	+	+	+	+
Brass, nickel-plated	+	-	-	-	-	-
Control piston gasket	PTFE	"Viton"				
Slotted ring	+	+				
<div>x no surcharae + surcharae - not available</div>						

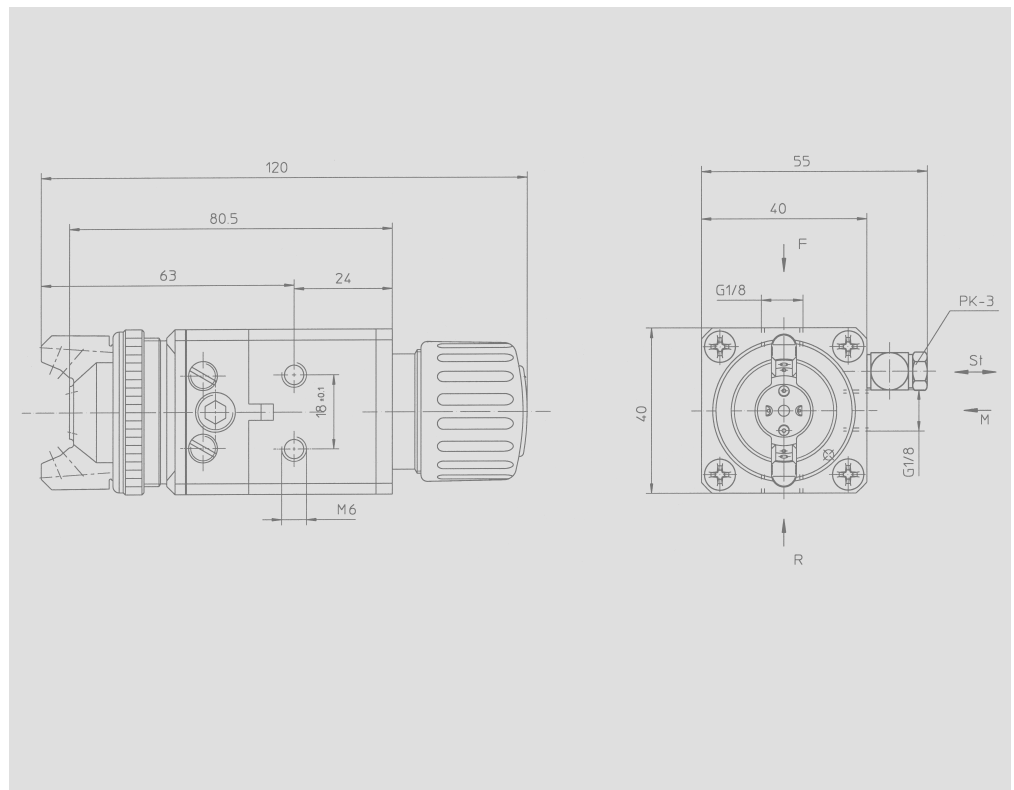
Robot spray gun RA 2

The robot spray gun RA 2 was designed for conventional compressed air spraying with all the benefits of fine and variable atomisation. The RA 2 is of compact and attractive design.

All parts in contact with the material are made of high-grade stainless steel. The variable sealing system permits spraying of solvent-containing, water-dilutable or abrasive media.

The spray gun is available with integrated material circulation and needle adjuster. The separate control of circular jet and flat jet air permits the creation of an automatic jet geometry using suitable control and regulating valves (proportional valve technology). Exchangeable distribution crown rings ensure extremely even air pre-distribution.

There are various adapters for different robot systems, some of them with integrated material pressure regulators and integrated supply lines.



Special versions

Material needle with protruding needle:

This material needle has a cylindrical pin (protruding needle) in front of the sealing cone to prevent material particles blocking the material nozzle.

Pneumatically adjustable needle path limiter:

This limiter permits two-step opening and closing of the material flow cross section – this is an advantage if the user needs to change frequently between a circular jet (lower material consumption) and flat jet (generally higher material consumption) during spraying operations.

Technical data

Operating pressures / Operating temperature

Max. material pressure:	1.2 MPa (12 bar)
Max. material temperature:	100 °C
Max. atomiser air pressure (R and F):	0.8 MPa (8 bar)
Min. control air pressure:	0.4 MPa (4 bar)
Max. control air pressure:	0.8 MPa (8 bar)
Max. air temperature:	50 °C

Connections

Material (M):	G1/8 IG
Atomiser air (R and F):	G1/8 IG
Control air (St):	PK-3/5 or M5 IG

Weight

(without add-on parts): approx. 500 g

Material spray zone

Angle of material jet in front of nozzle:
depends on setting: up to 180°

Length of material jet in front of nozzle:

depends on setting (e.g. water at 4 bar material pressure sprayed through a 1 mm material nozzle hits a disc measuring 2 metres in diameter at a distance of 10 metres)

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)

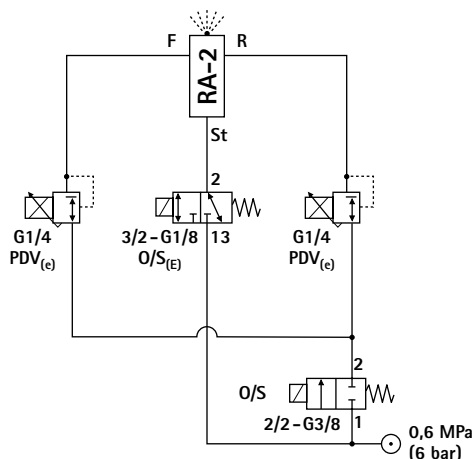


Examples for pneumatic circuitry of the automatic spray gun RA 2

Analogue control

Control of flat and circular jet air via proportional pressure regulating valves with analogue target value preset to ensure optimum adjustment of the spraying parameters to changing spraying situations. Preliminary air control is to be assured by external control of the pressure regulating valves.

Start of spraying: first activate spraying air R (and, if applicable, F), then open control air St!
End of spraying: first shut off St, then close R and F.

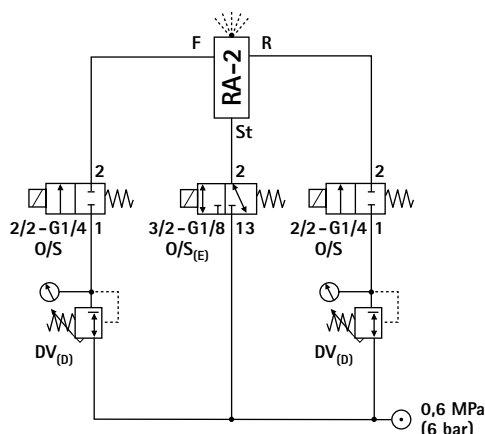


$PDV_{(e)}$ = proportional pressure regulating valve, electrically controlled
 $O/S_{(E)}$ = opener / closer with vent
 O/S = opener / closer

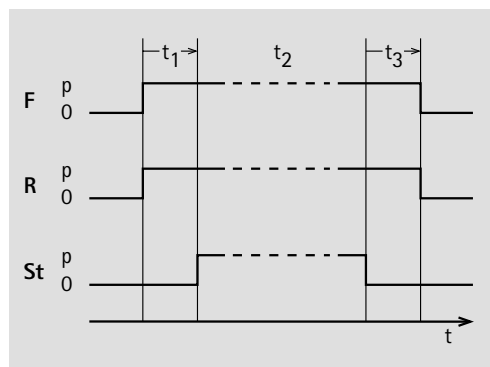
Fixed setting

Control of flat and circular jet air via pressure regulating valves to ensure optimum adjustment of the spraying parameters to a constant spraying situation. Preliminary air control is to be assured by external control of the pressure regulating valves.

Start of spraying: first activate spraying air R (and, if applicable, F), then open control air St!
End of spraying: first shut off St, then close R and F.



$DV_{(D)}$ = pressure regulating valve, adjusted to pressure range
 $O/S_{(E)}$ = opener / closer with vent
 O/S = opener / closer



Correct preliminary air control

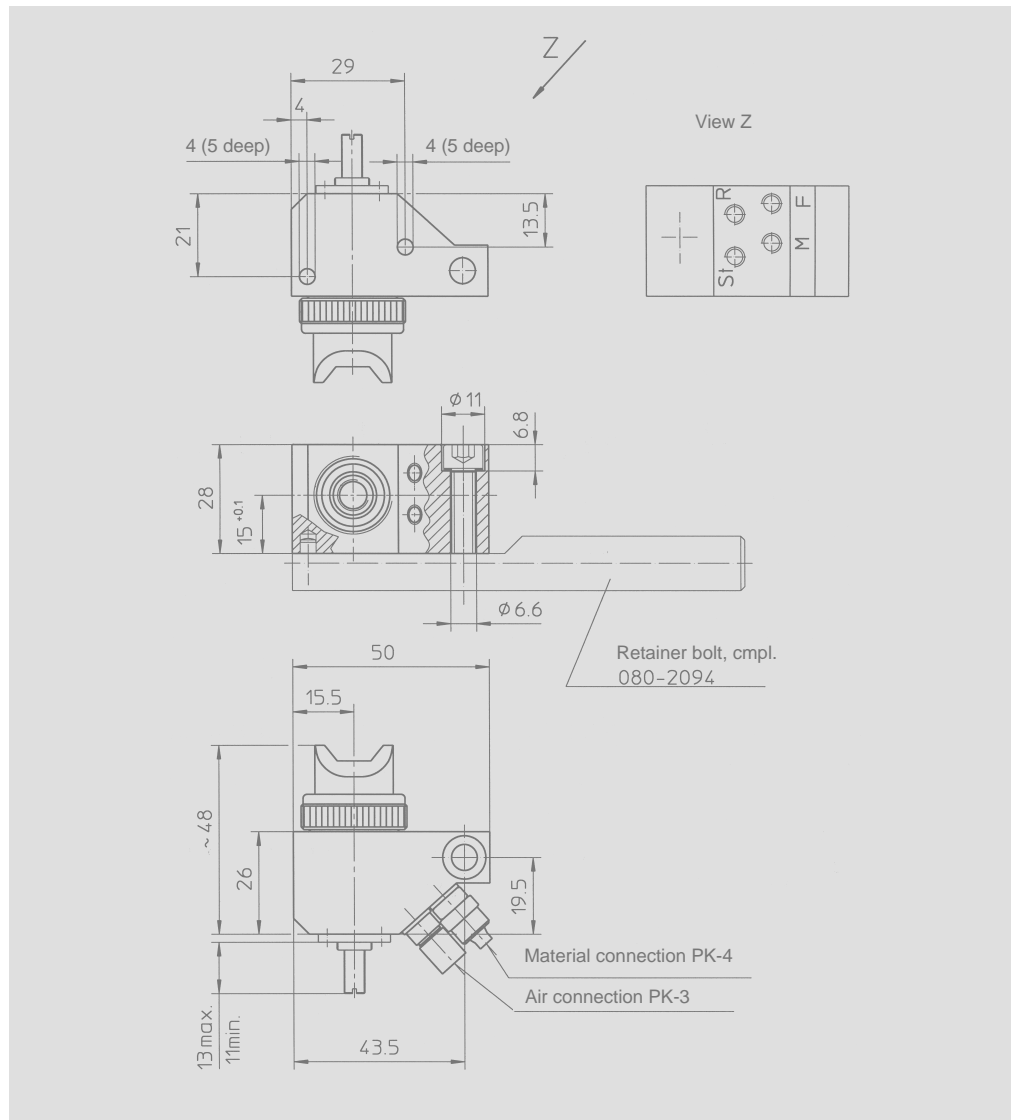
F = flat jet air feed
R = circular jet air feed
St = control air (material feed)
p = air feed open
0 = air feed closed
t = time
t1 = time until atomiser air is stable and present
t2 = automatic spray gun in operation
t3 = time until nozzle is blown clean

**Automatic spray gun MA 1**

The robot spray gun MA 1 in miniature design has the same superb technical features as the RA 2 family. Separate control of circular jet air and flat jet air is possible.

The main element, the material nozzles and the needles are made of high-grade stainless steel as standard.

The gun is also available with needle stroke adjuster.

**Special versions**

Material needle with protruding needle:

This material needle has a cylindrical pin (protruding needle) in front of the sealing cone to prevent material particles blocking the material nozzle.

Parts in contact with the coating substance

The parts of the gun that come into contact with the coating material are made of stainless steel; the needle gaskets are made of UHMW-PE.

Technical data**Operating pressures / Operating temperature**

Max. material pressure: 1.2 MPa (12 bar)
Max. material temperature: 100°C
Max. atomiser air pressure (R and F): 0.8 MPa (8 bar)
Min. control air pressure: 0.4 MPa (4 bar)
Max. control air pressure: 0.8 MPa (8 bar)
Max. air temperature: 50°C

Connections

Material (M): M5 IG or PK-4
Atomiser air (R and F): M5 IG or PK-3
Control air (St): M5 IG or PK-3

Weight: approx. 270 g

Material spray zone

Angle of material jet in front of nozzle:
depends on setting: up to 180°
Length of material jet in front of nozzle:
depends on setting (e.g. water at 4 bar material pressure sprayed through a 1 mm material nozzle hits a disc measuring 2 metres in diameter at a distance of 10 metres)

Noise emission

Contin. sound pressure level, nozzle-dependent: 65 to 85 dB (A)

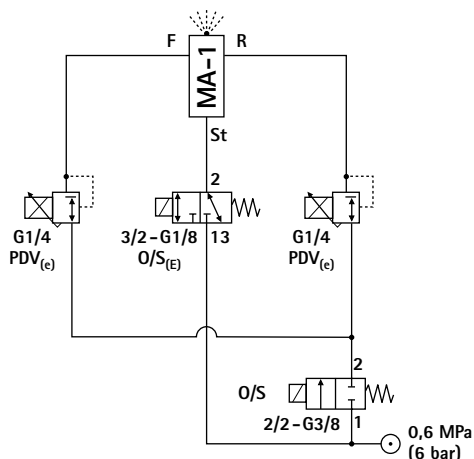


Examples for pneumatic circuitry of the automatic spray gun MA 1

Analogue control

Control of flat and circular jet air via proportional pressure regulating valves with analogue target value preset to ensure optimum adjustment of the spraying parameters to changing spraying situations. Preliminary air control is to be assured by external control of the pressure regulating valves.

Start of spraying: first activate spraying air R (and, if applicable, F), then open control air St!
End of spraying: first shut off St, then close R and F.

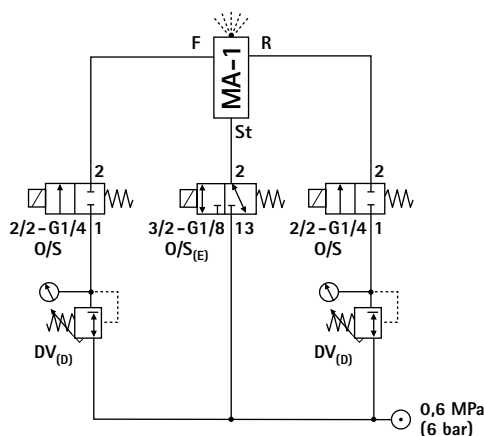


PDV_(e) = proportional pressure regulating valve, electrically controlled
O/S_(E) = opener / closer with vent
O/S = opener / closer

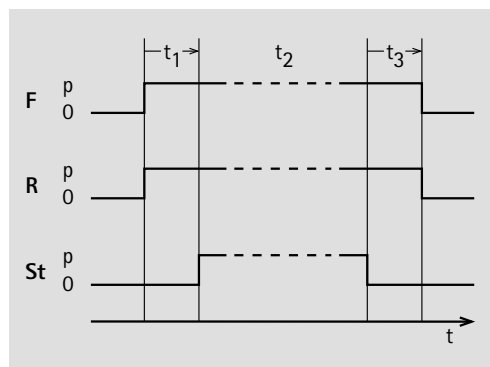
Fixed setting

Control of flat and circular jet air via pressure regulating valves to ensure optimum adjustment of the spraying parameters to a constant spraying situation. Preliminary air control is to be assured by external control of the pressure regulating valves.

Start of spraying: first activate spraying air R (and, if applicable, F), then open control air St!
End of spraying: first shut off St, then close R and F.



DV_(D) = pressure regulating valve, adjusted to pressure range
O/S_(E) = opener / closer with vent
O/S = opener / closer



Correct preliminary air control

F = flat jet air feed
R = circular jet air feed
St = control air (material feed)
p = air feed open
0 = air feed closed
t = time
t1 = time until atomiser air is stable and present
t2 = automatic spray gun in operation
t3 = time until nozzle is blown clean

[illegible]



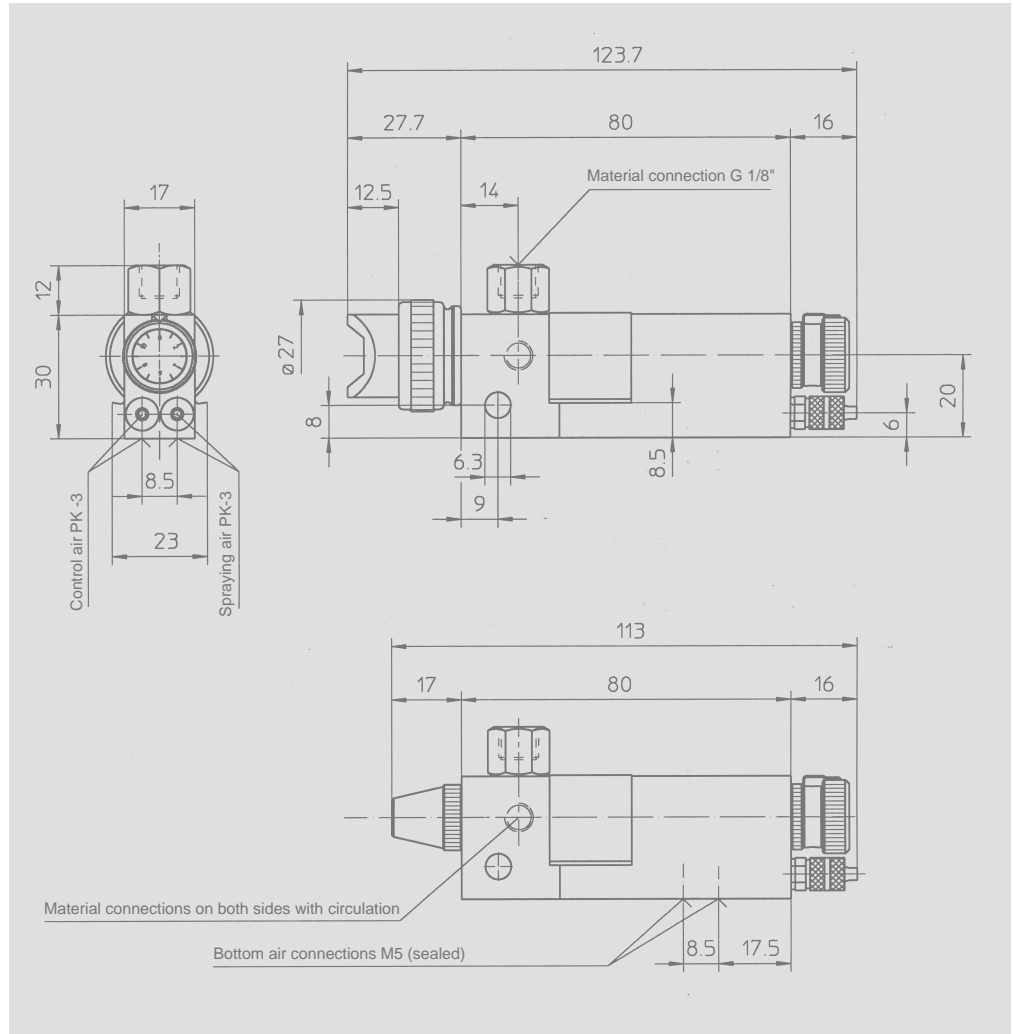
Material connection at top								
	Brass	Brass, nickel-pl.	Stainless steel	Steel, galvanised				
Sealing screw	+	+	x					
Material connection at top								
Double nipple								
G 1/8" AG	+		x					
G 1/4" AG	+	+	+					
G 1/4" IG	+							
G 3/8" IG				+				
G 3/8" AG	+		+					
M 12 x 1,5 AG		+						
M 5 AG		+						
M 5 IG	+							
M 7 x 0,75 AG		+						
Material connection at top								
	Brass	Brass, nickel-pl.						
Connecting angle 90° G 1/8" IG	+	+						
Connecting angle 90° G 1/8" AG	+							
Material connection left / right								
	Brass	Stainless steel	Aluminium	POM				
Sealing screw		x						
Double nipple G 1/8" IG		x						
Double nipple G 1/8" AG		+						
Connecting angle 90° G 1/8" IG	+							
Connecting angle 90° G 1/8" AG	+							
Swivel screw connection PK-4	+							
Angle screw connection PK-4	+			+				
Fast screw connection PK-4			+					
Material gasket at top								
	Stainless steel 1.4571	Fibre	Copper	Leather	Teflon / PTFE	PA-6	PE	
	x	x	x	x	x	x	x	
Material gasket left / right								
	NBR	PE						
	x	x						
Air connections / Hose nozzle								
	Brass	Brass, nickel-pl.						
DN 4	+	-						
DN 6/7	+	+						
DN 8/9	+	+						
DN 10	+	+						
Rapid fix coupling								
	DN 6/7	DN 8/9	G 1/4" IG					
G 1/4" IG	+	+	+					
Fast screw connection								
	Brass	Brass, nickel-pl.	Stainless steel	Aluminium	PA	POM		
PK 4	+	+	+	+	+	+		
PK 4, swivels by 90°	+	-	-	+	-	-		
PK 6	+	+	+	+	+	+		
PK 4, swivels by 90°	+	-	-	+	-	-		
PK 8	+	+	-	-	+	-		
PK 4, swivels by 90°	+	-	-	-	-	-		
PK 9	-	-	-	+	-	+		
x no surcharge + surcharge - not available								

Automatic spray gun Mikro 3

The automatic spray gun Mikro 3 is extremely small and therefore suitable for use in highly confined spaces such as spraying systems (where Mikro 3 models can even be installed next to one another).

The spray gun Mikro 3 is pneumatically controlled and is fitted with an internal preliminary air control. The control system is activated by a mechanical or electromechanical 3/2-way valve. When switching on, the compressed air-driven control piston first opens the atomising air valve and then – a short time later – the material nozzle of the gun. During switch-off, the material nozzle is closed, and then the atomising air valve. This control procedure ensures faster working and prevents material nozzle drip.

The main element, including the fluid head parts, is chemically nickel-plated. The material nozzles and needles are made of stainless steel as standard. Material feed is via gravity cup, delivery pump, gravity pressure container or material pressure feeding container.



Technical data

Operating pressures / Operating temperature

Max. material pressure: 0.6 MPa (6 bar)
Max. material temperature: 100 °C
Max. atomiser air pressure: 1.2 MPa (12 bar)
Min. control air pressure: 0.6 MPa (6 bar)
Max. control air pressure: 1 MPa (10 bar)
Max. air temperature: 50 °C

Connections

Material: G1/8" IG
Atomiser air: plastic hose, diameter 3/5
Control air: plastic hose, diameter 3/5

Weight

without add-on parts: approx. 320 g

Material spray zone

Angle of material jet in front of nozzle:
depends on setting: up to 180°
Length of material jet in front of nozzle:
depends on setting (e.g. water at 4 bar material pressure sprayed
without atomiser air feed through a 1 mm material nozzle hits a
disc measuring 2 metres in diameter at a distance of 10 metres)

Noise emission < 85 dB (A)



Closing piece	with needle stroke adjustment			without needle stroke adjustment			for twin control					
	x			x			x					
Material connection	top			circulation								
	x			x								
Main element / Air connections	back			bottom								
Single control	x			x								
Single control with 3/2-way solenoid	+			-								
Twin control	+			+								
Twin control with 5/2-way solenoid	+			-								
Needle packing	PTFE / "Ekonol"			UHMW								
	x			x								
Air nozzle / brass, nickel-plated / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Rotary jet "D"	-	-	-	-	-	x	x	x	x	x	x	x
Flat / Circular (Standard)	-	x	-	x	x	x	x	x	x	x	-	-
Flat / Circular "B"	-	+	-	+	+	+	+	+	-	-	-	-
Flat / Circular "BE"	-	-	-	-	+	-	-	-	-	-	-	-
Flat / Circular "DC"	-	-	-	-	-	-	-	x	-	-	-	-
Flat / Circular "S"	-	-	-	-	-	-	-	-	-	x	-	-
Flat / Circular "T"	-	x	-	x	x	-	x	-	-	-	-	-
Hollow-cone rotary jet	-	+	-	+	+	+	-	-	-	-	-	-
Circular jet "R"	-	x	-	x	x	x	x	x	x	x	x	x
Full-cone rotary jet	+	+	-	+	-	+	+	+	+	+	-	-
Air nozzle / Brass, PTFE-coated / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Flat / Circular	-	-	-	-	-	+	-	-	-	-	-	-
Air nozzle / Stainless steel / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Circular jet "R"	-	+	-	+	+	+	+	+	+	+	+	+
Material nozzle / Stainless steel / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Rotary jet "D"	-	-	-	-	-	x	x	x	x	x	x	x
Rotary jet "HD"	-	+	-	+	+	+	-	-	-	-	-	-
Rotary jet "VD"	+	+	-	+	-	+	+	+	+	+	-	-
Flat / Circular "FL" (Standard)	x	x	-	x	x	x	x	x	x	x	x	-
Circular jet "R"	x	x	x	x	x	x	x	x	x	x	x	x
Material nozzle / Stainless steel, hardened / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Rotary jet "D"	-	-	-	-	-	+	+	+	+	+	+	+
Flat / Circular "FL"	x	+	-	+	x	+	+	+	+	+	-	-
Circular jet "R"	+	+	-	+	+	+	+	+	+	+	-	-
Material nozzle / Stainless steel, PTFE-coated / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Flat / Circular "FL"	-	-	-	-	-	+	-	-	-	-	-	-
Material nozzle / POM / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Circular jet "R"	-	-	-	-	-	-	+	-	-	-	-	-
Material needle / mm	0.20	0.30	0.40	0.50	0.65	0.80	1.00	1.20	1.50	1.80	2.00	2.50
Stainless steel (Standard)	x	x	x	x	x	x	x	x	x	x	-	-
Hardened	+	+	+	+	+	+	+	+	+	+	-	-
With protruding needle	-	-	-	+	+	+	+	+	+	+	-	-

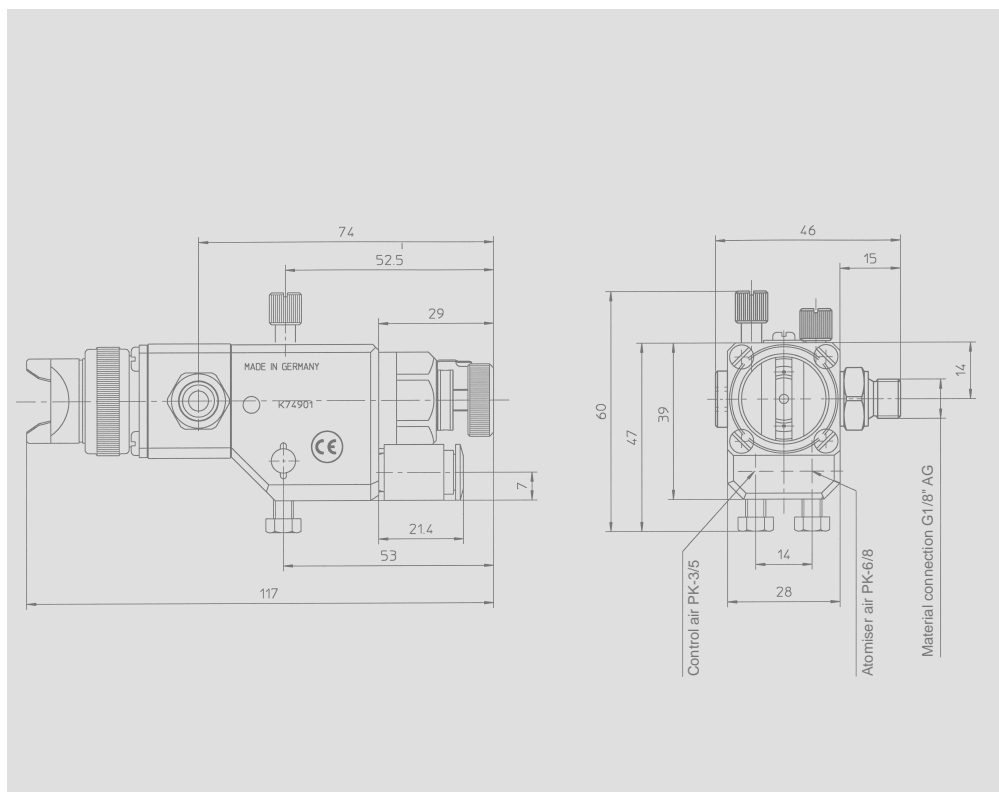
Automatic spray gun M 10

The automatic spray gun M 10 is of extremely compact design and therefore suitable for use where standard automatic spray guns cannot be used due to their design and size. Thanks to the generously dimensioned passageways, the M 10 can be used for a range of applications. It is, for example, particularly suitable for installation in semi-automatic or fully automatic systems where several spray guns have to be mounted in an extremely small space. The gun can be used for marking small components as well as for coating surfaces.

The spray gun is pneumatically controlled and is fitted with an internal preliminary air control. The control system is activated by a mechanical or electromechanical 3/2-way valve. When switching on, the compressed air-driven control piston first opens the atomising air valve and then – a short time later – the material nozzle of the gun. During switch-off, the material nozzle is closed, and then the atomising air valve. This control procedure ensures faster working and prevents material nozzle drip.

The control section of the gun is made of anodised aluminium and can be unscrewed from the spray gun, ensuring easy access to the needle guide.

The fluid head section and intermediate piece of the M 10 are made of stainless steel and are also available in anodised aluminium on request. The material



gaskets are easily accessible in the detachable head section. The intermediate piece is fitted with a material connection nipple 1/8" AG as standard. There is also a second connection on the opposite side, but this connection is closed by a sealing screw ex works. This screw can be replaced by an additional material connection nipple, permitting fast and easy conversion of the M 10 to material circulation.

The M 10 is fitted with a flat jet and a circular jet regulator.

The connections for spraying air (PK 6) and control air (PK 3) are fitted with plug-in couplings as standard.

Further connection options are available on request.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 1.2 MPa (12 bar)
Max. material temperature: 100 °C
Max. atomiser air pressure: 0.8 MPa (8 bar)
Min. control air pressure: 0.4 MPa (4 bar)
Max. control air pressure: 0.8 MPa (8 bar)
Max. air temperature: 50 °C

Connections

Material (M): G1/8 a
Atomiser air (Z): hose, diameter 6/8
Control air (St): hose, diameter 3/5

Weight

stainless steel version: approx. 380 g

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)

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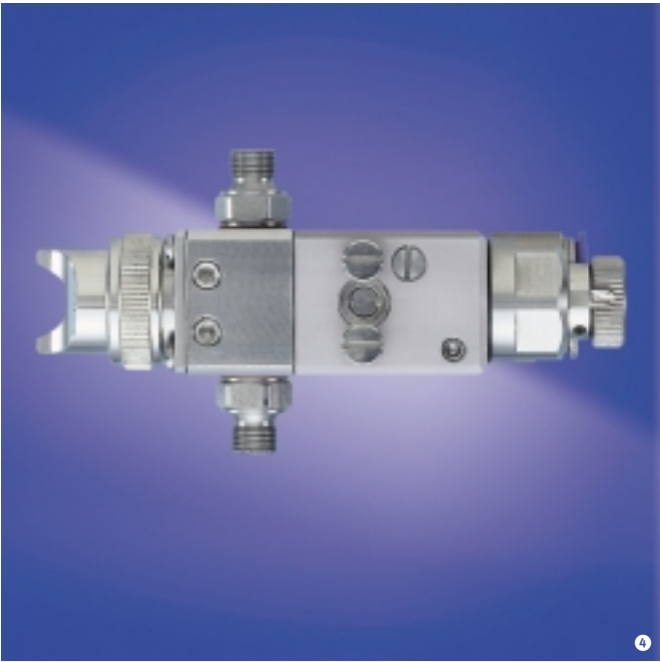
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2



3



4

- 1 A 14 HV3
- 2 RA 2 HV3
- 3 A 12 HV1
- 4 M 14 HV3

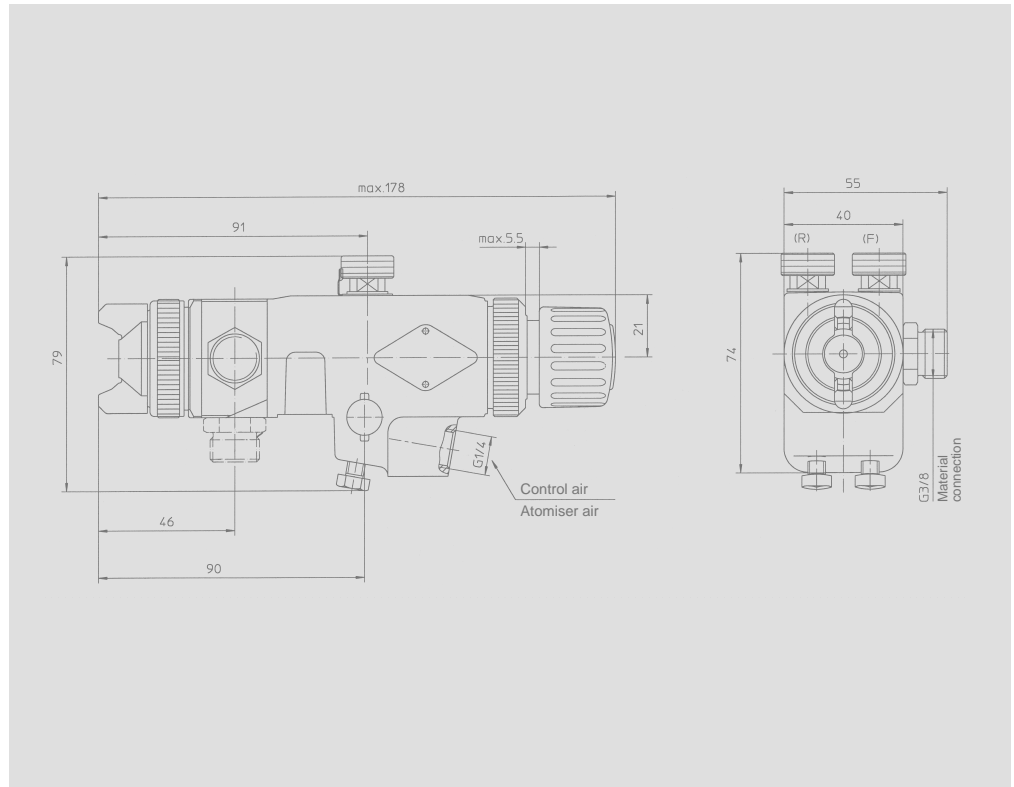
Automatic spray gun A 12

The high-performance automatic spray gun A 12 essentially consists of two parts: the air control section and the fluid head section.

The basic design of the gun is the same as that of the A 10 model; the main difference is that the A 12 is equipped with the HVLP (High Volume Low Pressure) nozzle system which ensures low-mist spraying operations under certain conditions.

The fluid head section can be removed from the control section by unscrewing just one screw. The control system is activated by a 3/2-way valve. When switching on, the compressed air-driven control piston first opens the spray air valve and then – a short time later – the material nozzle of the gun. During switch-off, the material nozzle is closed, and then the spray air valve. This control procedure ensures faster working and prevents material nozzle drip.

The practical design of the A 12 makes it extremely repair-friendly and facilitates low maintenance and cleaning. The compact design and the low weight permit use of the A 12 under even the most unfavourable mounting conditions (e.g. in spraying machines and spraying robots).



There are various options for material feed. Guns are available with a range of material connection hose nozzles as well as circulation connections. There is also a wide selection of nozzles and needles of different sizes. The spray gun can of course also be used in combination with our material feed containers, diaphragm pumps and regulators.

Technical data

Operating pressures / Operating temperature

Max. material pressure:	0.6 MPa (6 bar)
Max. material temperature:	50 °C
Max. atomiser air pressure:	1.2 MPa (12 bar)
Min. control air pressure:	0.4 MPa (4 bar)
Max. control air pressure:	0.8 MPa (8 bar)
Max. air temperature:	50 °C

Connections

Material (M):	G3/8 AG
Atomiser air (Z):	G1/4 IG
recommended smallest clearance:	8 mm
with max. 4 metre line length	
Control air (St):	G1/4 IG
recommended smallest clearance:	4 mm
with max. 4 metre line length	

Weight

AI version:	750 g
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Head section	Aluminium, anodised				Stainless steel						
with single connection	x				+						
with bottom connection	+				+						
with circulation connection	+				+						
Air nozzle / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0
Flat / Circular "F"	-	-	-	-	-	-	x	x	x	x	x
Flat / Circular "F2"	-	-	-	-	-	-	x	x	x	x	-
Air nozzle / brass, PTFE-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0
Flat / Circular "F"	-	-	-	-	-	-	+	+	+	+	+
Flat / Circular "F2"	-	-	-	-	-	-	+	+	+	+	-
Air nozzle / tungsten carbide / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0
Flat / Circular HV1	-	-	-	-	x	x	x	x	-	x	-
SIZE I											
Air nozzle / Aluminium, anodised / mm	0.3 to 1.8										
Flat / Circular HV1	x										
SIZE I											
Air nozzle / Brass, nickel-plated / mm	0.3 to 1.8										
Flat / Circular HV1 (Standard)	x										
SIZE I											
Air nozzle / Brass, PTFE / mm	0.3 to 1.8										
Flat / Circular HV1	+										
Material nozzle / HVLP / stainless steel / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	
Flat / Circular HV1 (Standard)	x	x	x	x	x	x	x	x	-	x	
Material nozzle / HVLP / stainless steel / hardened / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	
Flat / Circular HV1	+	+	+	+	+	+	+	+	-	+	
Material nozzle / HVLP / tungsten carbide / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	
Flat / Circular HV1	-	-	-	-	+	+	+	+	-	+	
Material needle / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	
Stainless steel (Standard)	x	x	x	x	x	x	x	x	x	x	
Stainless steel / hardened	+	+	+	+	+	+	+	+	+	+	
Stainless steel / hard chrome-plated	+	+	+	+	+	+	+	+	+	+	
Tungsten carbide	-	-	-	-	+	+	+	+	+	+	
Plastic	+	+	+	+	+	+	+	+	+	+	
Stainless steel / protruding needle	-	+	+	+	+	+	+	+	-	+	
Aluminium / hard-coated	+	+	+	+	+	+	+	+	+	+	
Material connections											
Hose nozzle	Brass	Brass, nickel-pl.		Stainl. steel			Plastic				
DN 6/7	+	+		-			-				
DN 8/9	+	+		+			+				
DN 10/11	+	-		+			-				
DN 12/13	+	-		-			-				
Circulation	Brass, nickel-pl.		Stainl. steel			Aluminium					
G 3/8" IG	+		+			+					
Connection tap	Brass										
G 3/8" IG	+										
Reducing nipple	G 1/4" AG										
G 3/8" IG	+										
x no surcharae + surcharae - not available											

x no surcharge + surcharge - not available

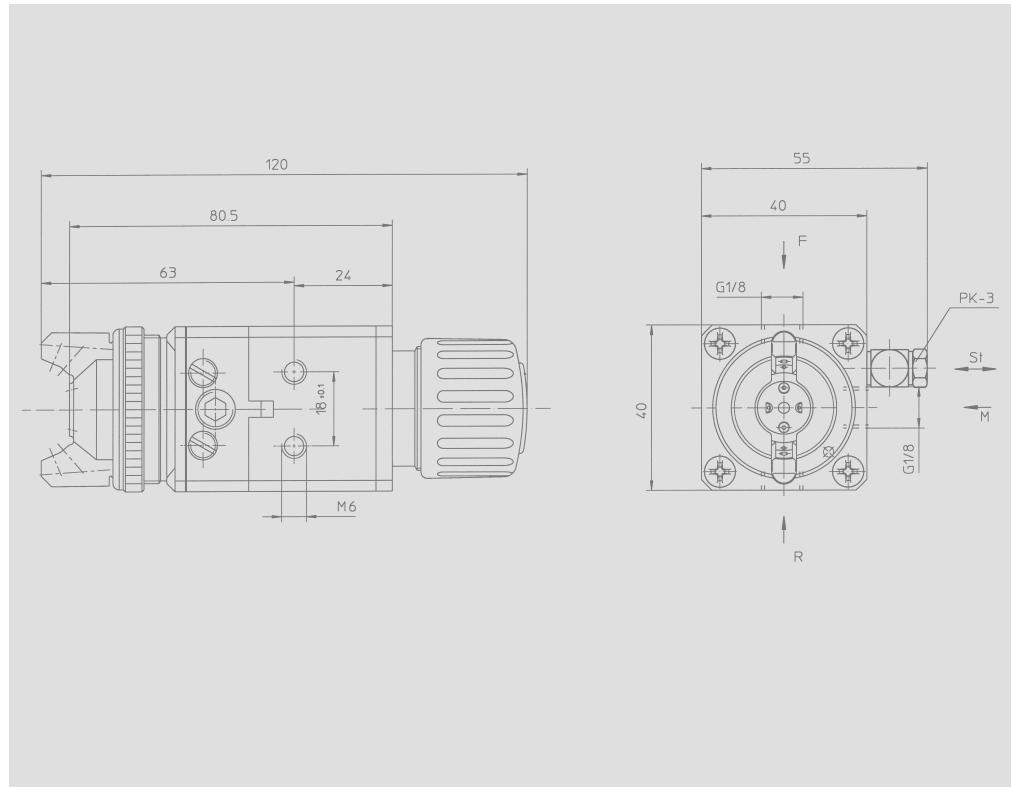
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Automatic spray gun RA 2 HV1

The robot spray gun RA 2 was designed for low-mist, environment-friendly and material-saving spraying using the HVLP system. The RA 2 is of compact and attractive design. All parts in contact with the material are made of high-grade stainless steel. The variable sealing system permits spraying of solvent-containing, water-dilutable or abrasive media.

The spray gun is available with integrated material circulation and needle adjuster. The separate control of circular jet and flat jet air permits the creation of an automatic jet geometry using suitable control and regulating valves (proportional valve technology). Exchangeable distribution crown rings ensure extremely even air pre-distribution.

There are various adapters for different robot systems, some of them with integrated material pressure regulators and integrated supply lines.



Special versions

Material needle with protruding needle:

This material needle has a cylindrical pin (protruding needle) in front of the sealing cone to prevent material particles blocking the material nozzle.

Pneumatically adjustable needle path limiter:

This limiter permits two-step opening and closing of the material flow cross section – this is an advantage if the user needs to change frequently between a circular jet (lower material consumption) and flat jet (generally higher material consumption) during spraying operations.

Technical data

Operating pressures / Operating temperature

Max. material pressure:	1.2 MPa (12 bar)
Max. material temperature:	100 °C
Max. atomiser air pressure (R and F):	0.8 MPa (8 bar)
Min. control air pressure:	0.4 MPa (4 bar)
Max. control air pressure:	0.8 MPa (8 bar)
Max. air temperature:	50 °C

Connections

Material (M):	G1/8 IG
Atomiser air (R and F):	G1/8 IG
Control air (St):	PK-3/5 or M5 IG

Weight

without add-on parts:	approx. 500 g
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Material spray zone

Angle of material jet in front of nozzle:	depends on setting: up to 180°
Length of material jet in front of nozzle:	depends on setting (e.g. water at 4 bar material pressure sprayed through a 1 mm material nozzle hits a disc measuring 2 metres in diameter at a distance of 10 metres)

Noise emission

Contin. sound pressure level, nozzle-dependent:	73 to 96 dB (A)
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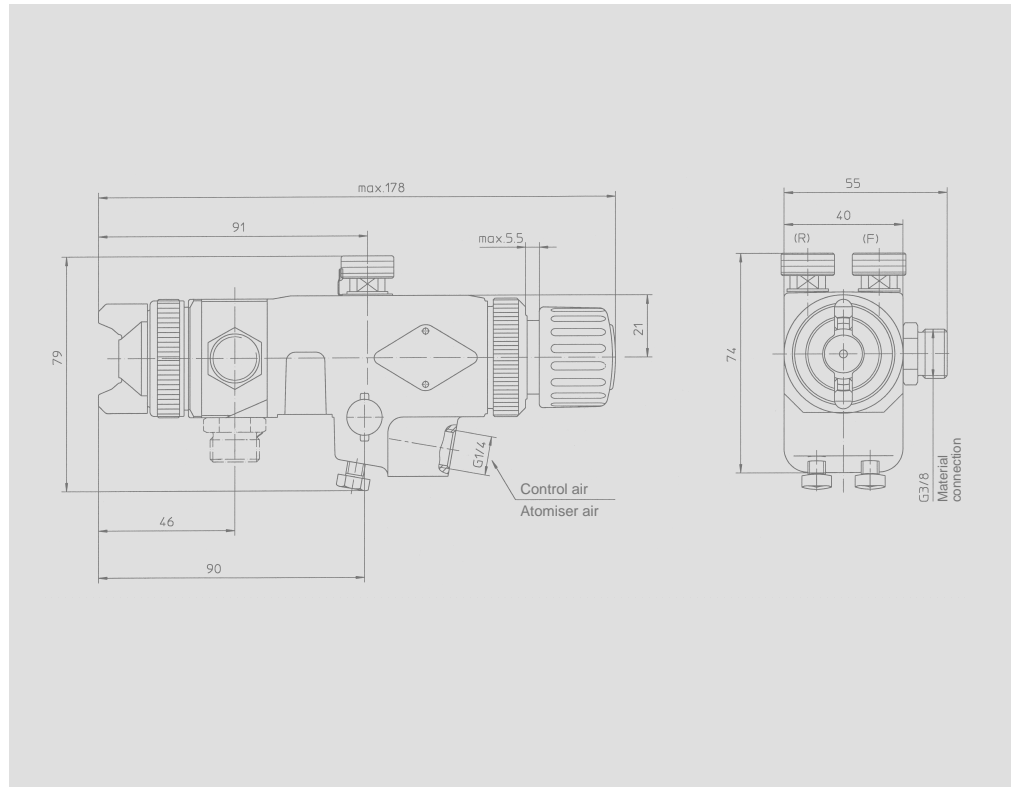


Automatic spray gun A 14 HV3

The high-performance automatic spray gun A 14 essentially consists of two parts: the air control section and the fluid head section. The basic design of the gun is the same as that of the A 10 model; the main difference is that the A 14 is equipped with the HVLP (High Volume Low Pressure) nozzle system which ensures low-mist spraying operations under certain conditions. This is an additional further development of the A 12 HV1 spray gun designed to optimise spraying results.

The head section can be removed from the control section by unscrewing just one screw. The control system is activated by a 3/2-way valve. When switching on, the compressed air-driven control piston first opens the spray air valve and then – a short time later – the material nozzle of the gun. During switch-off, the material nozzle is closed, and then the spray air valve. This control procedure ensures faster working and prevents material nozzle drip.

The practical design of the A 14 makes it extremely repair-friendly and facilitates low maintenance and cleaning. The compact design and the low weight permit use of the A 14 under even the most unfavourable mounting conditions (e.g. in spraying machines and spraying robots).



There are various options for material feed. Guns are available with a range of material connection hose nozzles as well as circulation connections. There is also a wide selection of nozzles and needles of different sizes. The spray gun can of course also be used in combination with our material feed containers, diaphragm pumps and regulators.

Technical data

Operating pressures / Operating temperature

Max. material pressure:	1.2 MPa (12 bar)
Max. material temperature:	100 °C
Max. atomiser air pressure:	0.8 MPa (8 bar)
Min. control air pressure:	0.4 MPa (4 bar)
Max. control air pressure:	0.8 MPa (8 bar)
Max. air temperature:	50 °C

Connections

Material (M):	G3/8 AG
Atomiser air (Z):	G1/4 IG
recommended smallest clearance:	8 mm
with max. 4 metre line length	
Control air (St)	G1/4 IG
recommended smallest clearance:	4 mm
with max. 4 metre line length	

Weight

Al version:	750 g
Stainless steel version:	960 g

Noise emission

Contin. sound pressure level, nozzle-dependent:	73 to 96 dB (A)
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Head section	Aluminium, anodised				Stainless steel							
with single connection	x				+							
with bottom connection	+				+							
with circulation connection	+				+							
Air nozzle / brass, nickel-plated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	
Flat / Circular "F"	-	-	-	-	-	-	x	x	x	x	x	
Flat / Circular "F2"	-	-	-	-	-	-	x	x	x	x	-	
Air nozzle / brass, PTFE-coated / mm	0.3	0.5	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	
Flat / Circular "F"	-	-	-	-	-	-	+	+	+	+	+	
Flat / Circular "F2"	-	-	-	-	-	-	+	+	+	+	-	

x no surcharge + surcharge - not available

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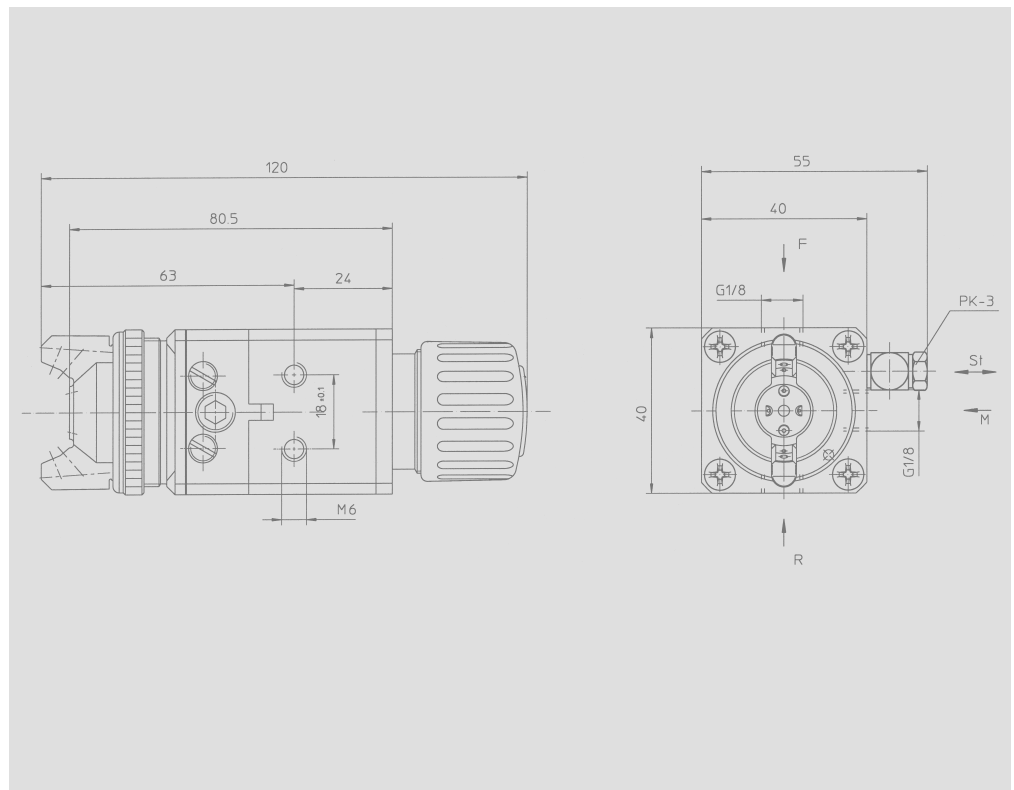
Automatic spray gun RA 2 HV3

The robot spray gun RA 2 was designed for low-mist, environment-friendly and material-saving spraying using the HVLP system. The HV3 model is a further development of the RA 2 HV1 spray gun permitting even better spraying results.

The spray gun is of compact and attractive design. All parts in contact with the material are made of high-grade stainless steel. The variable sealing system permits spraying of solvent-containing, water-dilutable or abrasive media.

The spray gun is available with integrated material circulation and needle adjuster. The separate control of circular jet and flat jet air permits the creation of an automatic jet geometry using suitable control and regulating valves (proportional valve technology). Exchangeable distribution crown rings ensure extremely even air pre-distribution.

There are various adapters for different robot systems, some of them with integrated material pressure regulators and integrated supply lines.



Special versions

Material needle with protruding needle:

This material needle has a cylindrical pin (protruding needle) in front of the sealing cone to prevent material particles blocking the material nozzle.

Pneumatically adjustable needle path limiter:

This limiter permits two-step opening and closing of the material flow cross section – this is an advantage if the user needs to change frequently between a circular jet (lower material consumption) and flat jet (generally higher material consumption) during spraying operations.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 1.2 MPa (12 bar)
 Max. material temperature: 100 °C
 Max. atomiser air pressure (R and F): 0.8 MPa (8 bar)
 Min. control air pressure: 0.4 MPa (4 bar)
 Max. control air pressure: 0.8 MPa (8 bar)
 Max. air temperature: 50 °C

Connections

Material (M): G1/8 IG
 Atomiser air (R and F): G1/8 IG
 Control air (St): PK-3/5 or M5 IG

Weight

without add-on parts: approx. 500 g

Material spray zone

Angle of material jet in front of nozzle:
 depends on setting: up to 180°
 Length of material jet in front of nozzle:
 depends on setting (e.g. water at 4 bar material pressure sprayed through a 1 mm material nozzle hits a disc measuring 2 metres in diameter at a distance of 10 metres)

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)

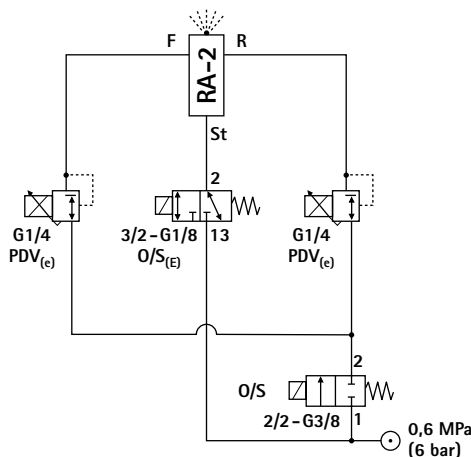


Examples for pneumatic circuitry of the automatic spray gun RA 2 HV3

Analogue control

Control of flat and circular jet air via proportional pressure regulating valves with analogue target value preset to ensure optimum adjustment of the spraying parameters to changing spraying situations. Preliminary air control is to be assured by external control of the pressure regulating valves.

Start of spraying: first activate spraying air R (and, if applicable, F), then open control air St!
End of spraying: first shut off St, then close R and F.

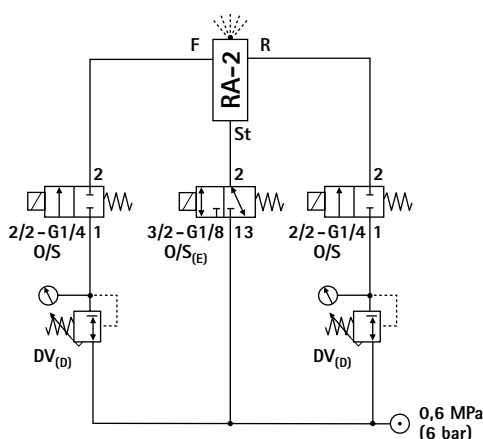


PDV_(e) = proportional pressure regulating valve, electrically controlled
O/S_(E) = opener / closer with vent
O/S = opener / closer

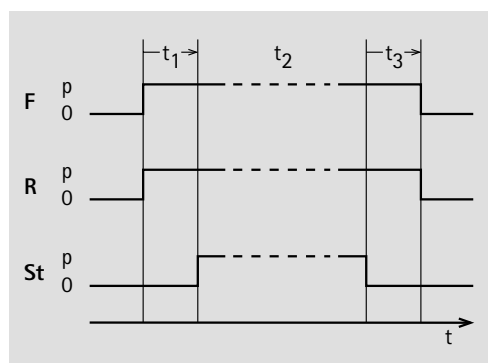
Fixed setting

Control of flat and circular jet air via pressure regulating valves to ensure optimum adjustment of the spraying parameters to a constant spraying situation. Preliminary air control is to be assured by external control of the pressure regulating valves.

Start of spraying: first activate spraying air R (and, if applicable, F), then open control air St!
End of spraying: first shut off St, then close R and F.



DV_(D) = pressure regulating valve, adjusted to pressure range
O/S_(E) = opener / closer with vent
O/S = opener / closer



Correct preliminary air control

F = flat jet air feed
R = circular jet air feed
St = control air (material feed)
p = air feed open
0 = air feed closed
t = time
t1 = time until atomiser air is stable and present
t2 = automatic spray gun in operation
t3 = time until nozzle is blown clean

Automatic spray gun M 14 HV3

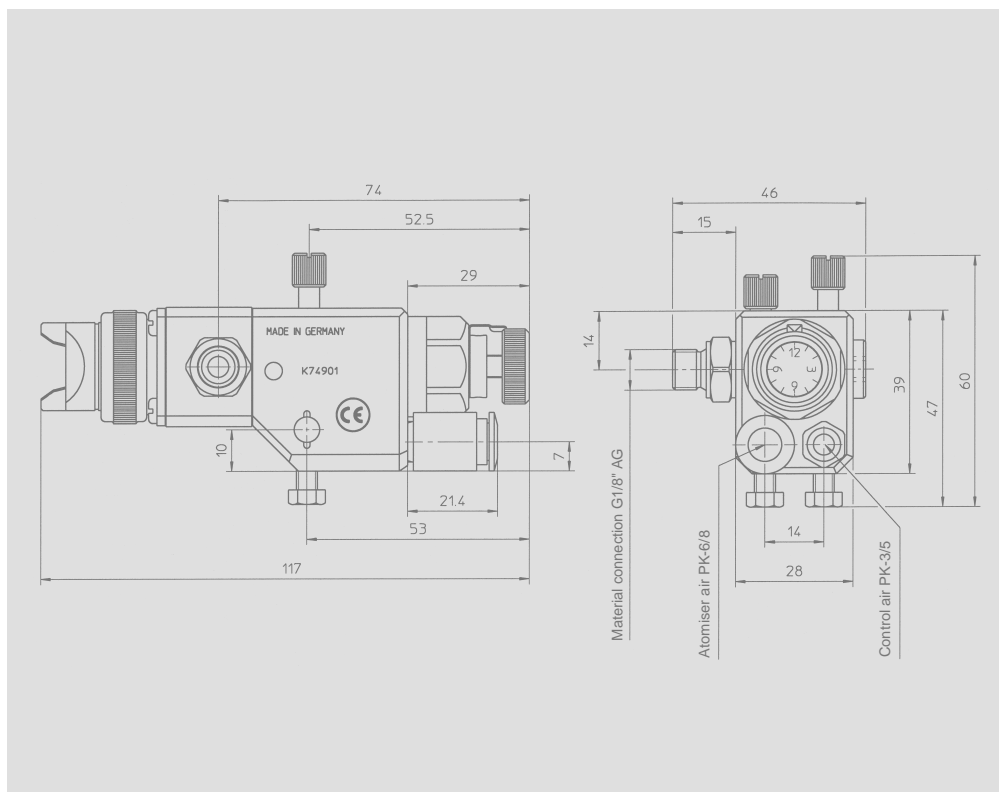
The automatic spray gun M 14 HV3 is a further development of the M 10 HVLP model.

The M 14 HV3 spray gun is of extremely compact design and therefore suitable for use where standard automatic spray guns cannot be used due to their design and size. Thanks to the generously dimensioned passageways, the M 14 HV3 can be used for a range of applications. It is, for example, particularly suitable for installation in semi-automatic or fully automatic systems where several spray guns have to be mounted in an extremely small space. The gun can be used for marking small components as well as for coating surfaces.

The spray gun is pneumatically controlled and is fitted with an internal preliminary air control. The control system is activated by a mechanical or electromechanical 3/2-way valve. When switching on, the compressed air-driven control piston first opens the atomising air valve and then – a short time later – the material nozzle of the gun. During switch-off, the material nozzle is closed, and then the atomising air valve. This control procedure ensures faster working and prevents material nozzle drip.

The control section of the gun is made of anodised aluminium and can be unscrewed from the spray gun, ensuring easy access to the needle guide.

The fluid head section and intermediate piece of the M 14 HV3 are made of stainless steel and are also available in anodised aluminium on request.



The material gaskets are easily accessible in the detachable head section. The intermediate piece is fitted with a material connection nipple 1/8" AG as standard. There is also a second connection on the opposite side, but this connection is closed by a sealing screw ex works. This screw can be replaced by an additional material connection nipple, permitting fast and easy conversion of the M 14 HV3 to material circulation.

The M 14 HV3 is fitted with a flat jet and a circular jet regulator.

The connections for spraying air (PK 6) and control air (PK 3) are fitted with plug-in couplings as standard.

Further connection options are available on request.

Technical data

Operating pressures / Operating temperature

Max. material pressure:	1.2 MPa (12 bar)
Max. material temperature:	100 °C
Max. atomiser air pressure:	0.8 MPa (8 bar)
Min. control air pressure:	0.4 MPa (4 bar)
Max. control air pressure:	0.8 MPa (8 bar)
Max. air temperature:	50 °C

Connections

Material (M):	G1/8 a
Atomiser air (Z):	hose, diameter 6/8
Control air (St):	hose, diameter 3/5

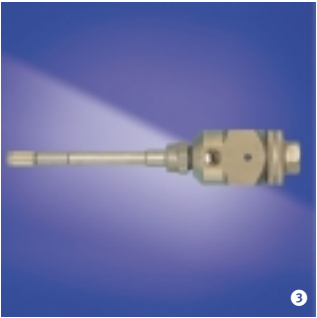
Weight

stainless steel version:	approx. 380 g
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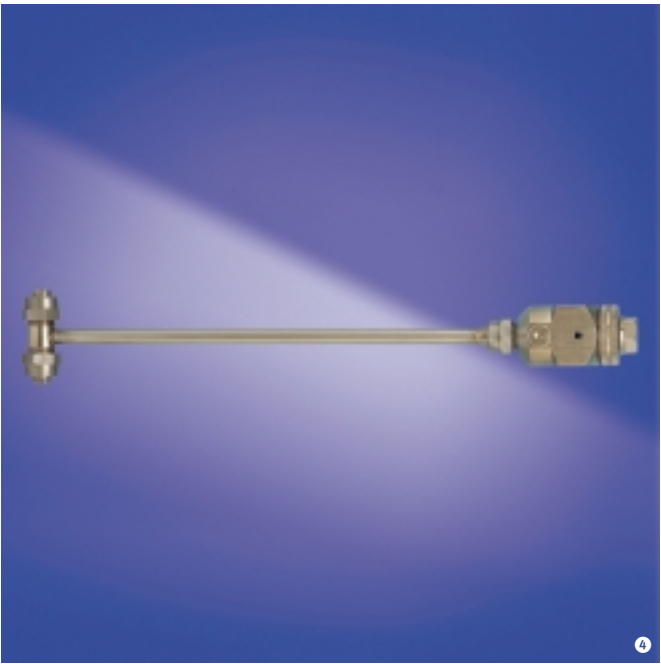
Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)
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[illegible]



- ❶ KAA 1300
- ❷ KAA 1300 with nozzle extension
- ❸ KAA 1300 with nozzle extension
- ❹ KAA 1300 with nozzle extension





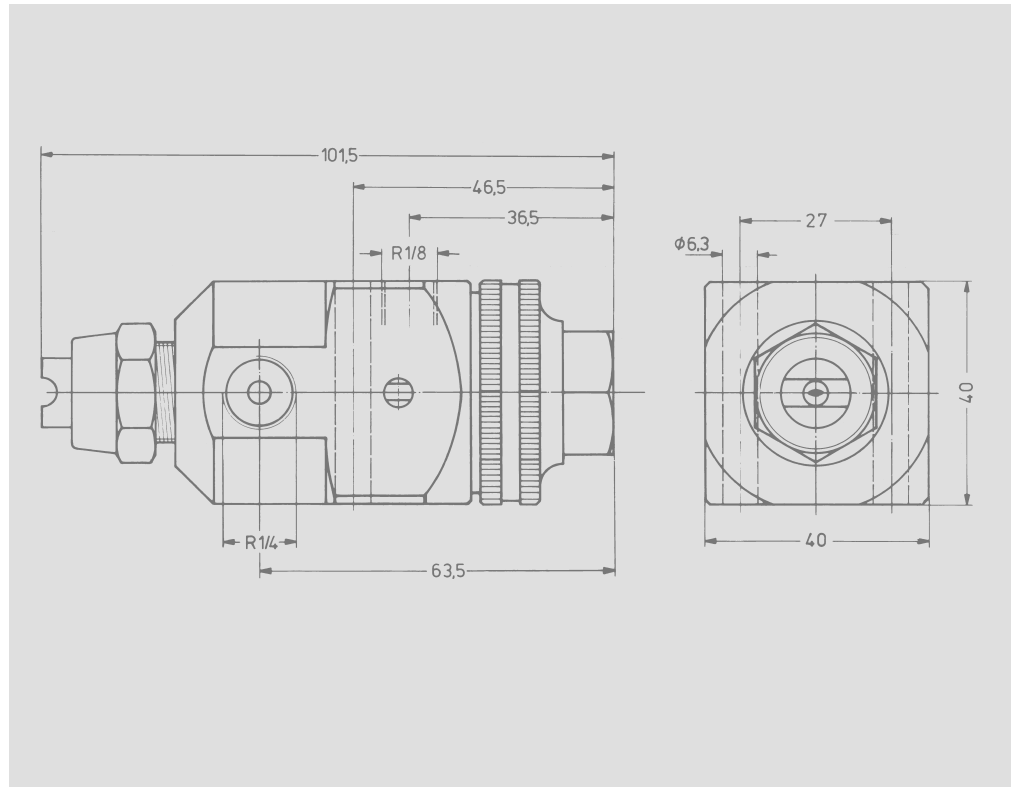
Automatic spray gun KAA 1300

The automatic spray gun KAA 1300 is designed for automatic (not manual) coating of surfaces such as metal, plastic, ceramics, wood and similar materials as well as other substrates. Typical coating materials include paints, dyes, water-soluble paints, adhesives, oils, release agents etc. The KAA 1300 gun can also be used to process abrasive coating materials at operating pressures below 5 MPa (50 bar). The spray gun works on the "airless" principle – in other words, the spray jet is generated solely by the material pressure that ejects the material through a nozzle. After exiting the nozzle, the spray jet takes on the shape dictated by the nozzle. The jet is directed at the workpiece, and the effective spray fan is not quite as wide as theoretically possible.

The particles of the spray jet reach far higher speeds than with spray guns driven by compressed air. Accordingly, the material throughput is higher and the jet more focused (in other words, the swirling zone is smaller). The size and shape of the jet can only be altered by changing the nozzle. The diameter of the nozzle bore determines the material flow volume, while the size and geometry of the always elliptically shaped nozzle opening determine the height

and width of the jet (shape of an elliptical cone). A wide range of airless nozzles are available.

The nozzle can be rotated steplessly by 360° in the axis of the spray jet and arrested in any position. This permits optimum adjustment of the angle at which the jet hits the workpiece to the prevailing conditions.



Technical data

Operating pressures / Operating temperature

Max. material temperature: 50 °C
 Min. control air pressure: 0.4 MPa (4 bar)
 Max. control air pressure: 0.8 MPa (8 bar)
 Max. air temperature: 50 °C

Connections

Material: G1/4 IG
 Control air: G1/8 IG

Weight

without add-on parts: approx. 300 g

Material spray zone

Angle of material jet in front of nozzle:
 depends on nozzle: up to approx. 110°
 Length of material jet in front of nozzle:
 depends on nozzle and material pressure: up to 5 metres
 Length of material jet with nozzle removed: up to 20 metres

Noise emission

Contin. sound pressure level, nozzle-dependent: 60 to 90 dB (A)

[illegible]



- ❶ Duo-A 2 Slot air
- ❷ Duo-A 2 Horn air

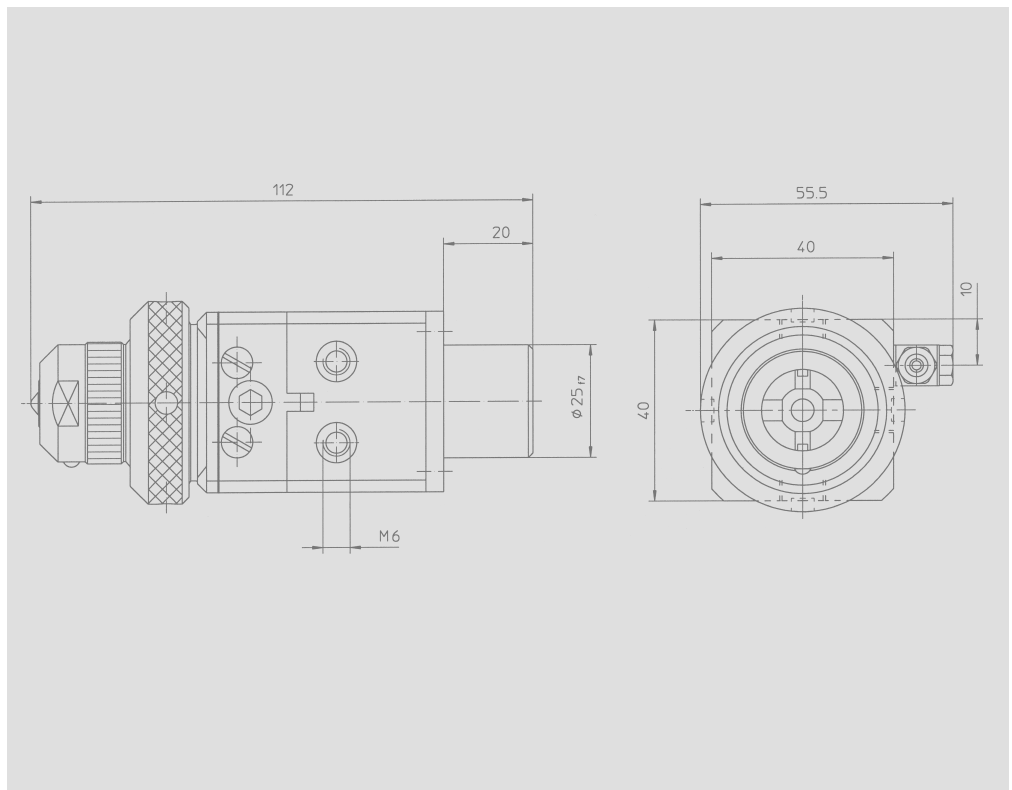




Automatic spray gun Duo RA 2

The robot spray gun Duo RA 2 was designed for compressed air-supported high-pressure spraying using the "Duo" technique, providing the classic advantages of high coating power and superb surface quality. The spray gun is of compact and attractive design. All parts in contact with the material are made of high-grade stainless steel. The variable sealing system permits spraying of solvent-containing, water-dilutable or abrasive media.

The spray gun is also available with integrated material circulation or needle adjuster. Exchangeable distribution crown rings ensure extremely even air pre-distribution.



Version	Order no.
Horn air	3141-090-2565
Slot air	3140-090-1287

Technical data

Operating pressures / Operating temperature

Max. material pressure: 1.2 MPa (12 bar)
Max. material temperature: 100 °C
Max. atomiser air pressure (R and F): 0.8 MPa (8 bar)
Min. control air pressure: 0.4 MPa (4 bar)
Max. control air pressure: 0.8 MPa (8 bar)
Max. air temperature: 50 °C

Connections

Material (M): G1/8 IG
Atomiser air (R and F): G1/8 IG
Control air (St): PK-3/5 or M5 IG

Weight

without add-on parts: approx. 500 g

Material spray zone

Angle of material jet in front of nozzle:
depends on setting: up to 180°
Length of material jet in front of nozzle:
depends on setting (e.g. water at 4 bar material pressure sprayed
through a 1 mm material nozzle hits a disc measuring 2 metres
in diameter at a distance of 10 metres)

Noise emission

Contin. sound pressure level, nozzle-dependent: 73 to 96 dB (A)

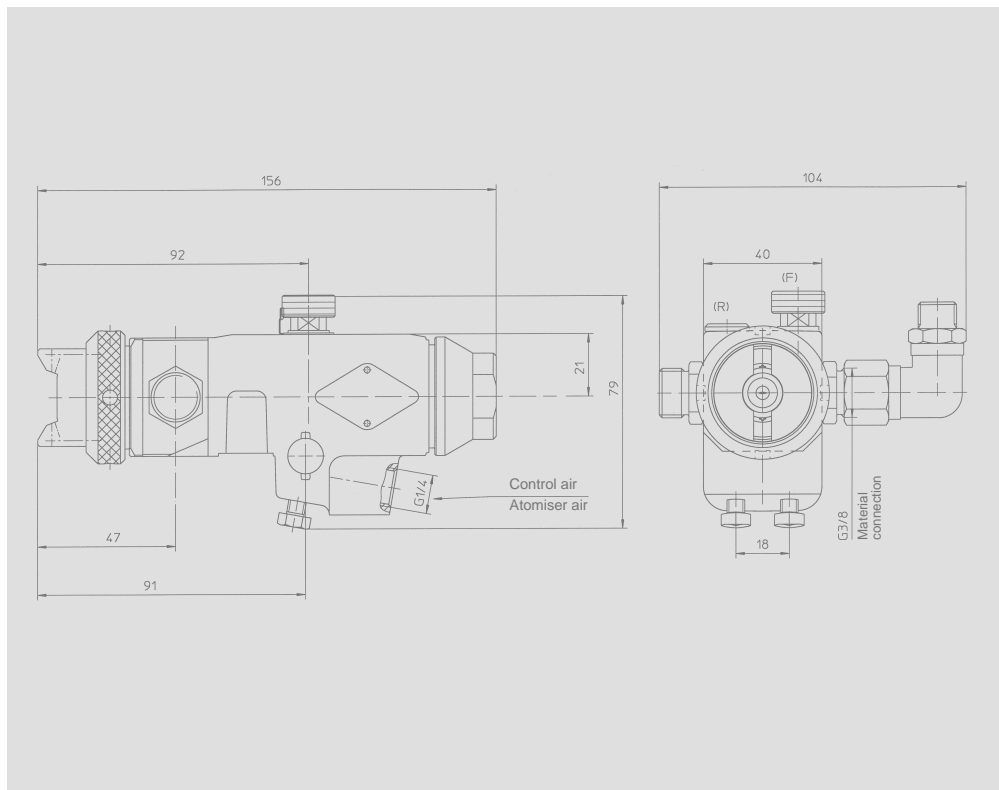
Duo A 2 Horn air atomisation

The new Duo A 2 generation of automatic spray guns combines the advantages of the airless technique and the known benefits of compressed air atomisation in a special way. The multi-air distribution system integrated in the fluid head section distributes the atomisation air extremely evenly into the also newly designed air nozzle, ensuring an extremely soft and homogeneous spray jet. The required atomiser air is reduced to a minimum, air consumption is cut, and turbulence in the spray profile is avoided. The Duo A 2 technique ensures superb atomisation, low overspray, high coating power and thus maximum efficiency and cost reduction when coating surfaces.

Duo A 2 automatic spray guns can be easily integrated in all semi-automatic or fully automatic spraying systems. Control, hose connections and fixings are effected in the traditional, functional manner common to all Krautzberger automatic spray guns.

Other versions:
Duo H slot air atomisation

Nozzle selection:
See "Accessories" section



Duo A 2 slot air atomisation	
Versions	Order no.
Single connection, w/o material filter	3220-090-2142
Single connection, with material filter	3220-090-2143
Circulation connection, w/o material filter	3220-090-2144
Circulation connection, with material filter	3220-090-2145

Duo A 2 horn air atomisation	
Versions	Order no.
Single connection, w/o material filter	3230-090-2148
Single connection, with material filter	3230-090-2149
Circulation connection, w/o material filter	3230-090-2150
Circulation connection, with material filter	3230-090-2151

Technical data

Operating pressures / Operating temperature

Max. material pressure: 10 MPa (100 bar)
 Max. material temperature: 50 °C
 Max. atomiser air pressure (R and F): 0.8 MPa (8 bar)
 Min. control air pressure: 0.4 MPa (4 bar)
 Max. control air pressure: 0.8 MPa (8 bar)
 Max. air temperature: 50 °C

Connections

Material (M): G1/4 AG
 Atomiser air (R and F): G1/4 IG
 Control air (St): G1/4 IG

Weight

without add-on parts: approx. 930 g

Material spray zone

Angle of material jet in front of nozzle:
 depends on setting: up to approx. 110°
 Length of material jet in front of nozzle: up to 5 metres
 Length of material jet with nozzle removed: up to 20 metres

Noise emission

Contin. sound pressure level, nozzle-dependent: 60 to 90 dB (A)



1

- ❶ Automatic glazing gun
- ❷ Automatic extrusion gun
KAA 1300
- ❸ KAA 1300 Dickstoff, for high-
viscosity materials



3



2



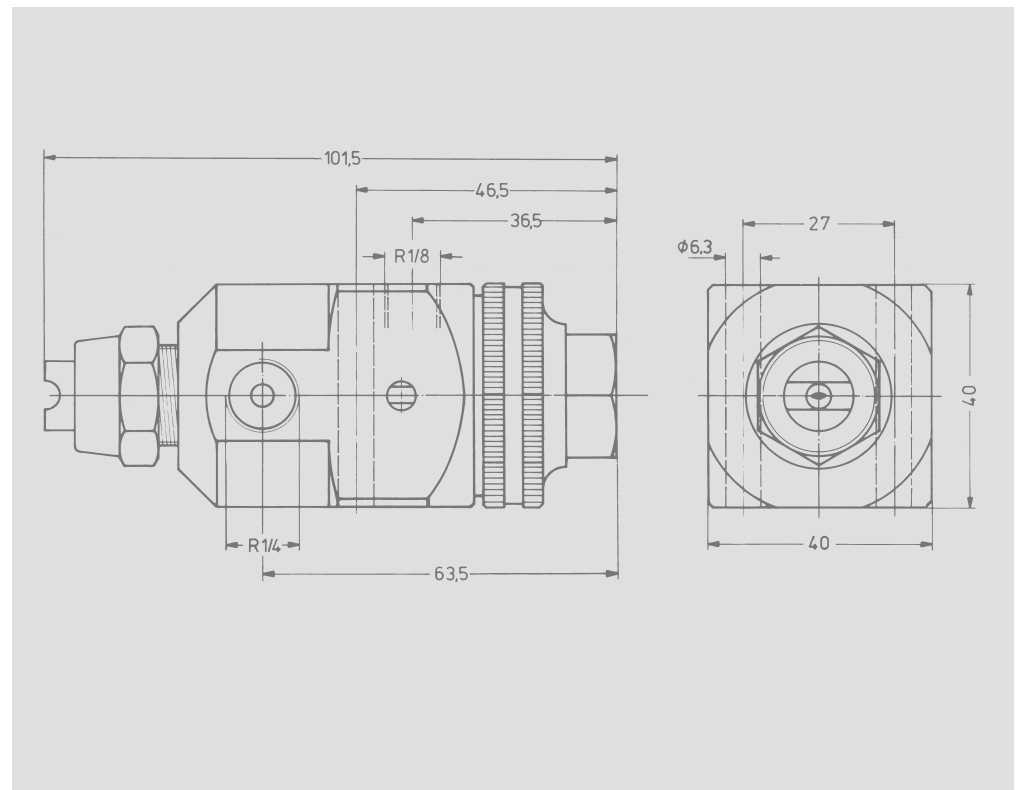
for high-viscosity materials
Order no. 1382-080-0720

Automatic spray gun KAA 1300 Dickstoff

The automatic spray gun Krautzberger Dickstoff KAA 1300 is designed for the automatic (not manual) coating of surfaces using highly viscous media). The KAA 1300 gun can also be used to process abrasive coating materials at operating pressures below 5 MPa (50 bar).

The spray gun works on the "airless" principle – in other words, the spray jet is generated solely by the material pressure that ejects the material through a nozzle. After exiting the nozzle, the spray jet takes on the shape dictated by the nozzle. The jet is directed at the workpiece, and the effective spray fan is not quite as wide as theoretically possible.

The particles of the spray jet reach far higher speeds than with spray guns driven by compressed air. Accordingly, the material throughput is higher and the jet more focused (in other words, the swirling zone is smaller). The size and shape of the jet can only be altered by changing the nozzle. The diameter of the nozzle bore determines the material flow volume, while the size and geometry of the el-



liptically shaped nozzle opening determine the height and width of the jet (shape of an elliptical cone).

A wide range of airless nozzles are available. The nozzle can be rotated by 360° in the axis of the spray jet and arrested in any position. This permits optimum adjustment of the angle at which the jet hits the workpiece to the prevailing conditions.

Technical data

Operating pressures / Operating temperature

Max. material pressure: 20 MPa (200 bar)
Max. material temperature: 50 °C
Min. control air pressure: 0.4 MPa (4 bar)
Max. temperature of control air: 50 °C

Connections

Material: G1/4 IG
Control air: G1/8 IG

Weight

without add-on parts: approx. 300 g

KAA 1300
Automatic extrusion gun

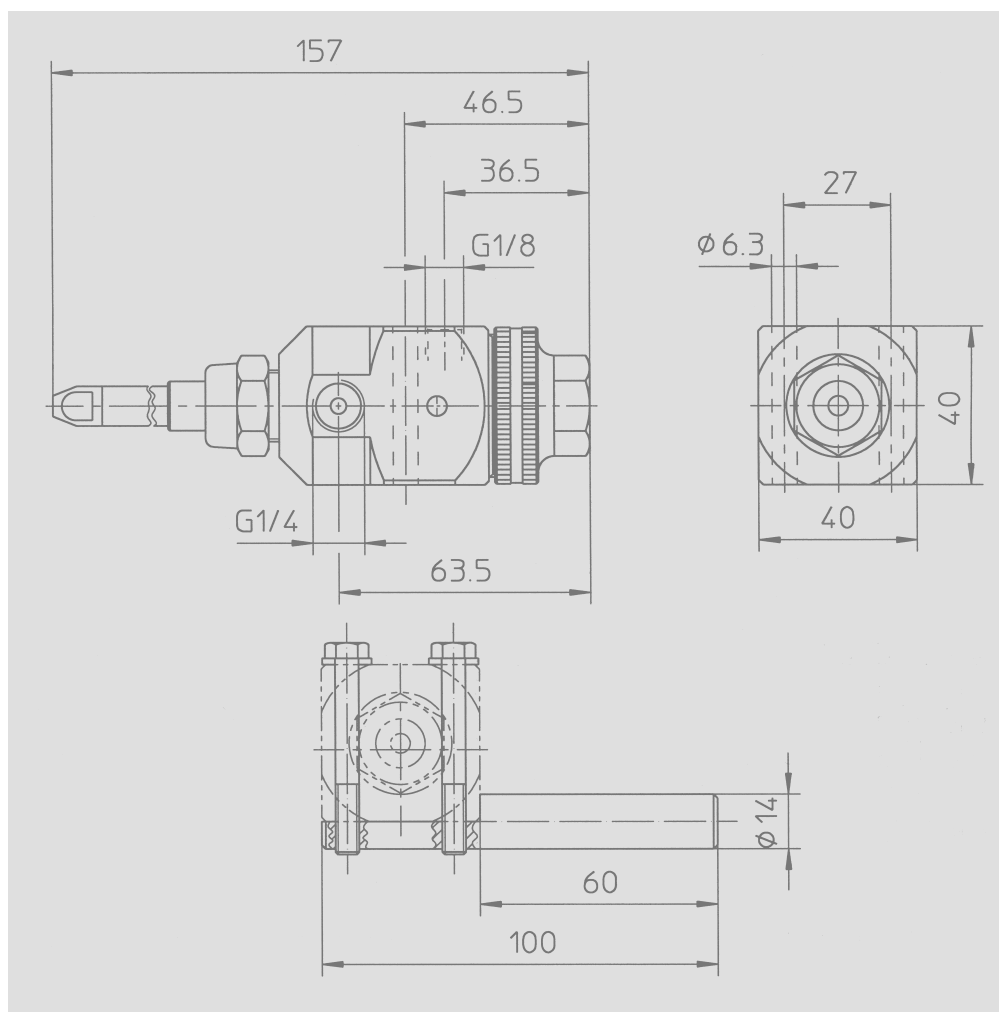
The Krautzberger automatic spray gun KAA 1300 is designed for automatic coating of surfaces such as metal, plastic, ceramics, wood and similar materials as well as other substrates. Typical coating materials include paints, dyes, water-soluble paints, adhesives, oils, release agents etc. The KAA 1300 gun can also be used to process abrasive coating materials at operating pressures below 5 MPa (50 bar). The spray gun works on the "airless" principle – in other words, the spray jet is generated solely by the material pressure that ejects the material through a nozzle. After exiting the nozzle, the spray jet takes on the shape dictated by the nozzle. The jet is directed at the workpiece, and the effective spray fan is not quite as wide as theoretically possible.

The particles of the spray jet reach far higher speeds than with spray guns driven by compressed air. Accordingly, the material throughput is higher and the jet more focused (in other words, the swirling zone is smaller). The size and shape of the jet can only be altered by changing the nozzle. The diameter of the nozzle bore determines the material flow volume, while the size and geometry of the elliptically shaped nozzle opening

determine the height and width of the fan (shape of an elliptical cone).

The nozzle can be rotated through by 360° in the axis of the spray jet and arrested in any position. This permits optimum adjustment of the angle at which the jet hits the workpiece to the prevailing conditions.

A wide range of airless nozzles are available (see "Accessories").


Technical data
Operating pressures / Operating temperature

Max. material pressure: 10 MPa (100 bar)
 Max. material temperature: 50°C
 Min. control air pressure: 0.4 MPa (4 bar)
 Max. temperature of control air: 50°C

Connections

Material: G 1/4 IG
 Control air: G 1/8 IG

Weight

without add-on parts: approx. 300 g

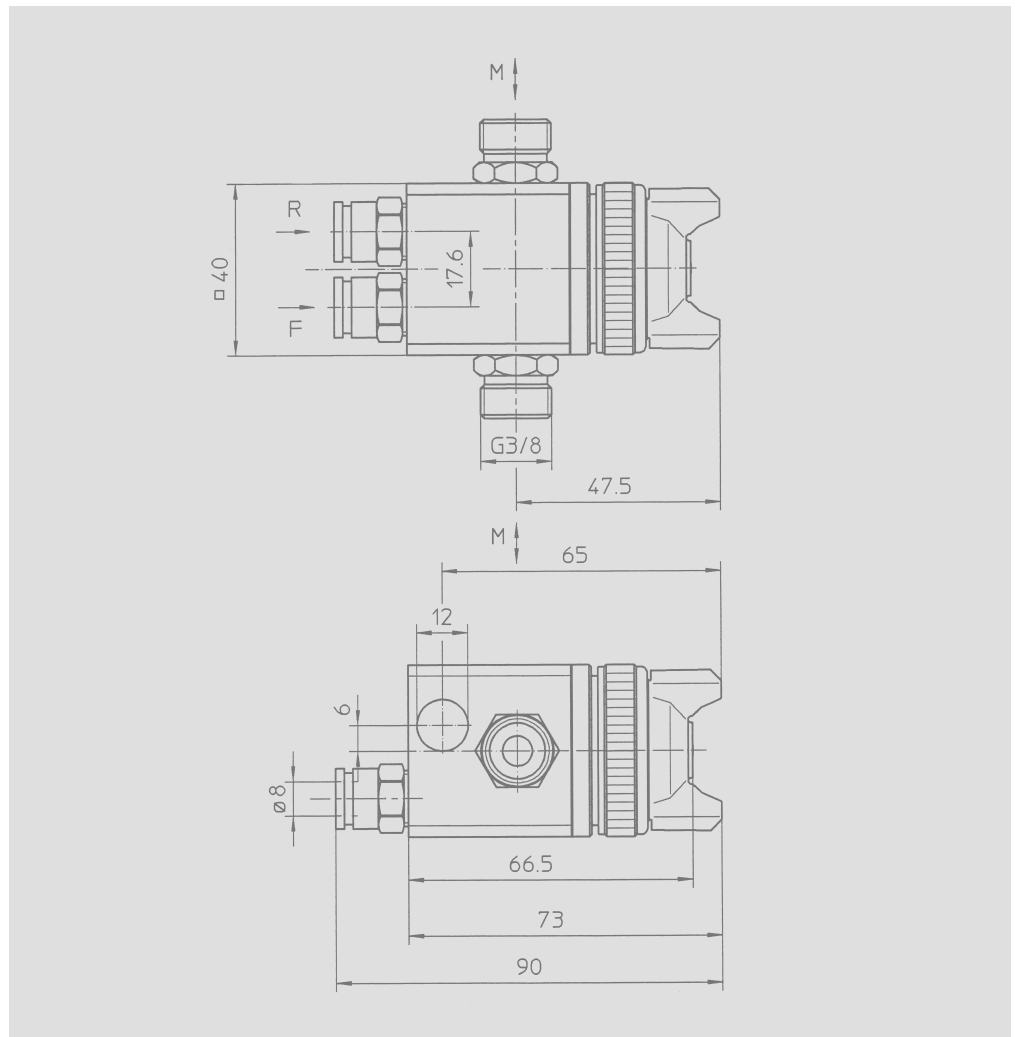


Automatic glazing gun

Designed for continuous spraying of glaze and other products.

Low maintenance needle-less spraying gun i.e. no needle packings or seals.

Separate air connection for atomising and fan adjustment. Large fluid passageways with recirculation connections.



Technical data

Operating pressures / Operating temperature

Max. material pressure: 6 bar

Max. material temperature: 50 °C

Max. atomiser air pressure: 12 bar

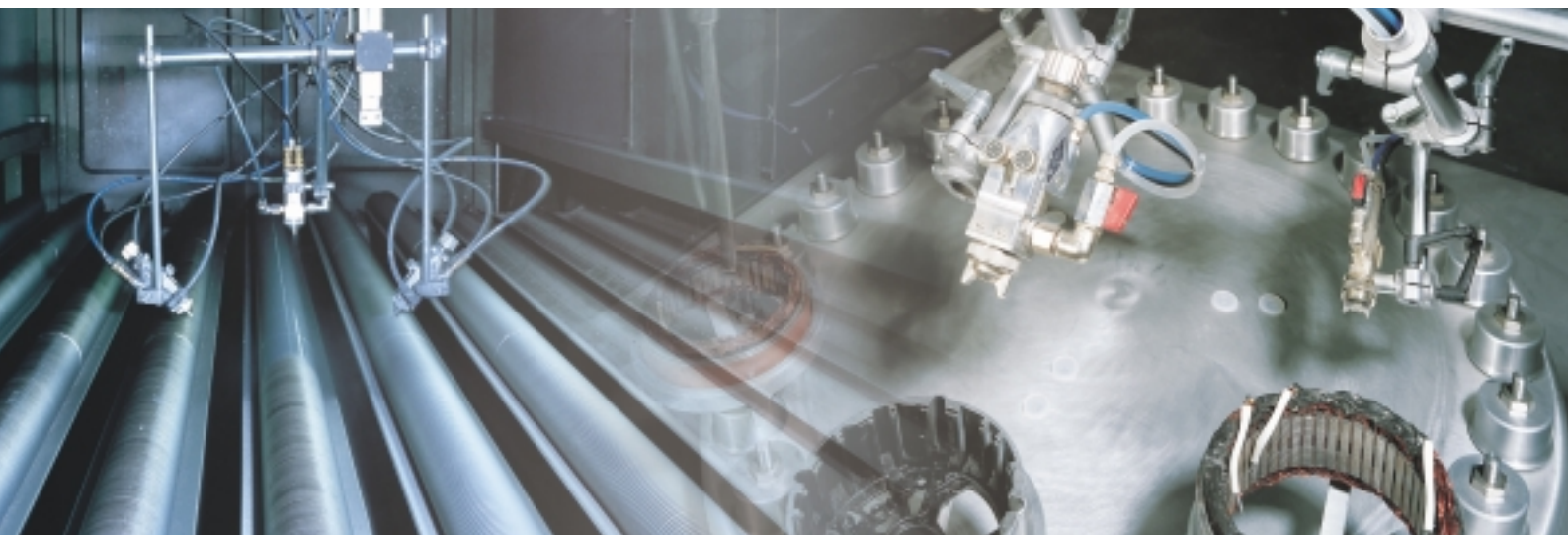
Connections

Material (M): G1/8 IG

Circular jet air (R): plastic hose, outer dia. 8

Flat jet air (F): plastic hose, outer dia. 8

Weight (standard version): approx. 320 g





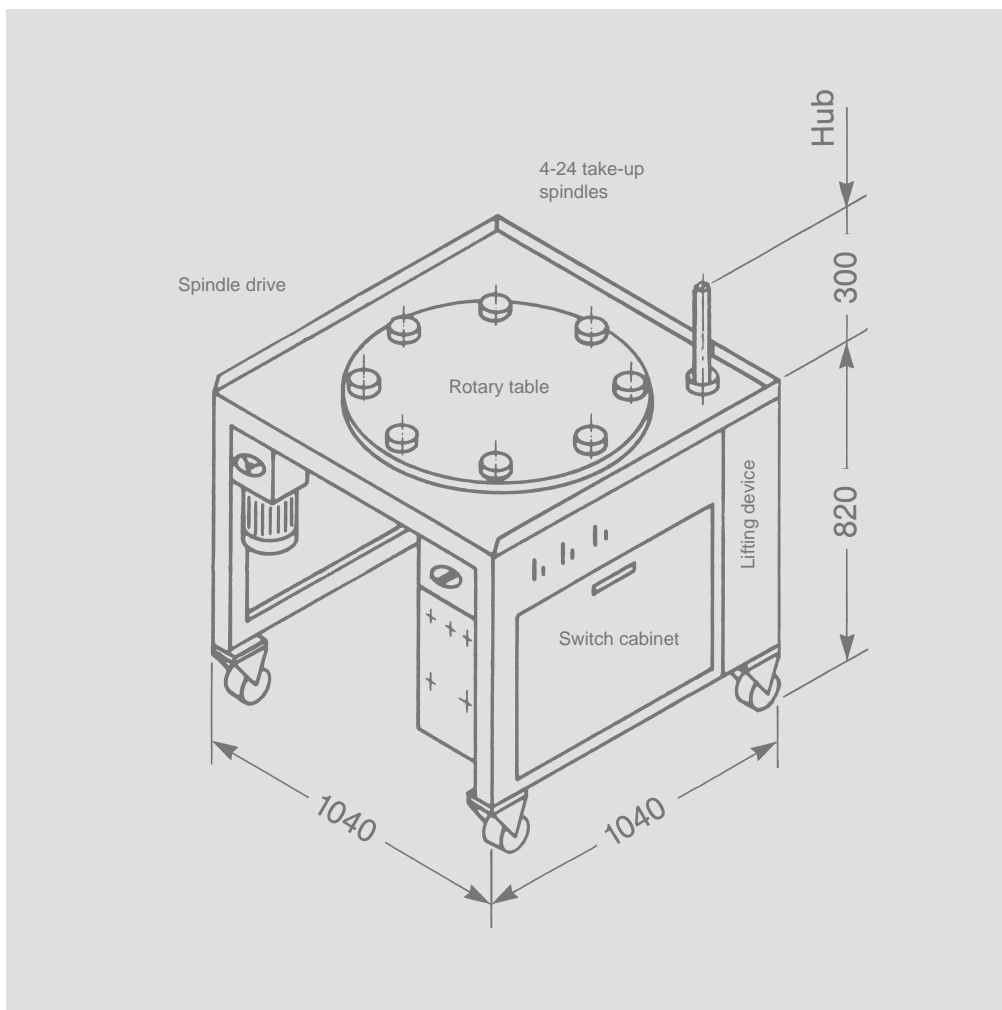
Automatic rotary indexing unit R 700

The Krautzberger R 700 automatic rotary indexing unit is designed for the coating of serial components.

Output is designed for a throughput of 2 – 12 pieces per minute; the size of the workpieces and the skill of the operating personnel determines the actual throughput.

The automatic unit is fitted on castors to ensure flexibility of use. The table-type opening at the front of the unit permits operating from a sitting position. A direction reverser unit is available as an optional extra.

The spray mist can be extracted via a Krautzberger dry exhaust system unit or using a customised solution.



Technical data

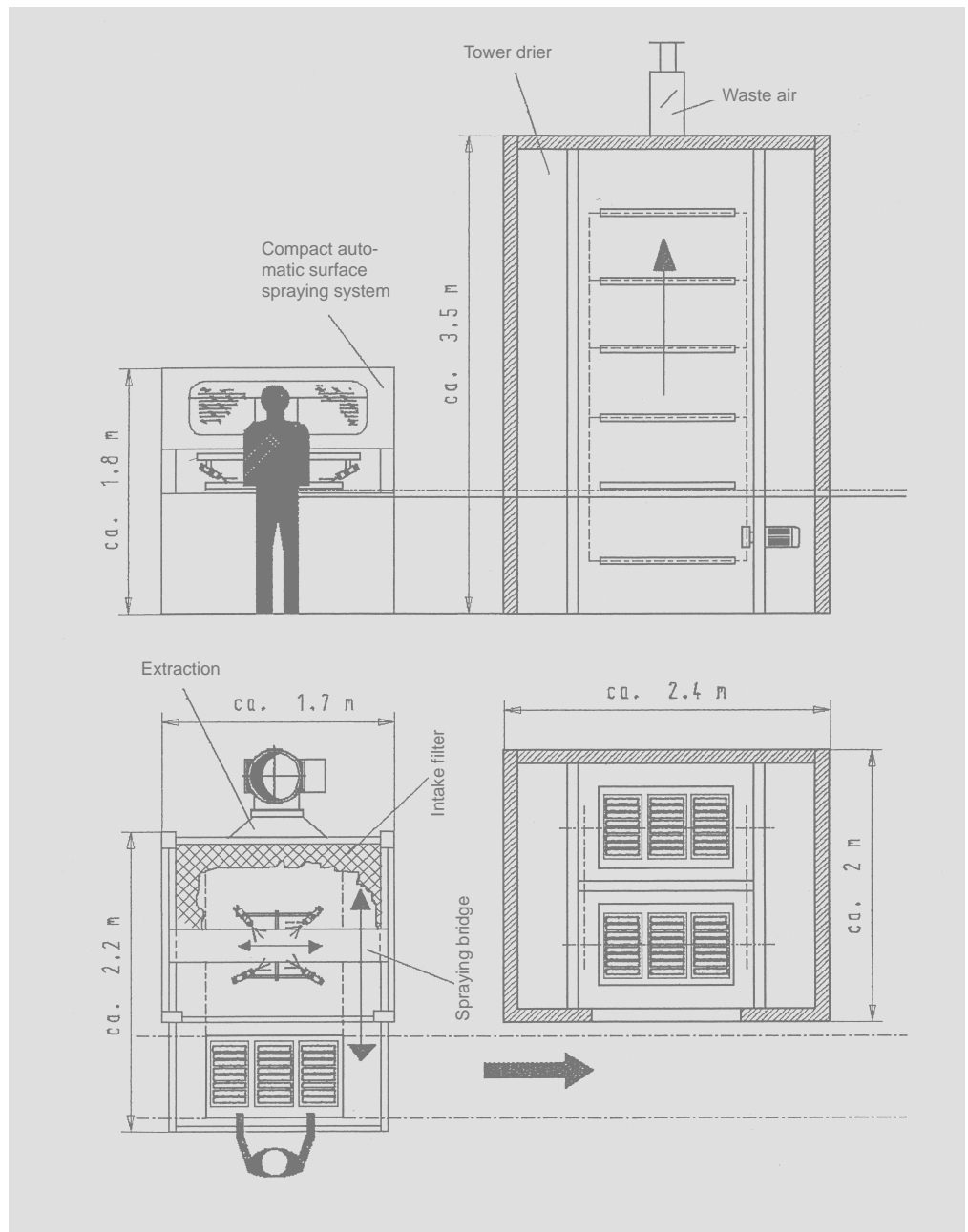
Rotary table drive:	pneumatic rotary indexing table
Output:	2 – 12 cycles per minute
Air consumption at 6 bar:	max. 20 l/cycle (without spray guns)
Working spindle drive:	gear motor 220/380V, 0.09 kW, explosion-proof
Spindle speed:	12.5 – 125 rpm or (optional) 40 – 400 rpm, steplessly variable
No. of spray stations:	as desired
Control:	pneumatic sequence control
Spray time control	
– without lifting device:	max. 4 individually controllable via time relays (0.3–10 secs.)
– with lifting device:	max. 4 3 individually controllable via time relays (0.3–10 secs.), 1 via control bar of lifting device
Air connection:	central connection R 1"
Table standstill time:	adjustable from 0.5 – 10 secs.
No. of spindles:	6 as standard (4, 6, 8, 12, 24 possible)
Table top:	aluminium rotary table, 800 mm dia.
Spindle pitch line:	700 mm
Load per spindle:	max. 1 kg
Spray gun arrangement:	rigid on adjustable tubular frame
Reception thread of spindles:	threaded pin M 12
Lifting device:	hydro-pneumatic, vertical direction, with integrated control bar, stroke 400 mm
Other details:	direction reverser for 2 nd spray station; cycle indexing 6/12 cycles, 3/6 cycles



Compact automatic surface spraying system KFS 1000

This machine is designed for the efficient coating of small parts. In contrast to throughput systems, the KFS 1000 takes up little more space than a manual spray station. It is operated by one person, and the pure feed activity of the operator ensures higher productivity than is possible with conventional manual coating. The control system of the KFS permits easy input of the desired values for spray zone, working speed and switching options for the spray guns. Part-specific inputs can be saved as an overall program and instantly selected for use as a production program.

A feature that drives the unit to individual coordinates is available as an optional extra, combined with a traversing spray gun carrier. Paint mist extraction is effected via a mobile filter trolley in the dry extraction version or using a wet-washing system in the stainless steel version.



Automatic compact surface spraying system with mounted tower drier



Automatic chain-on-edge system

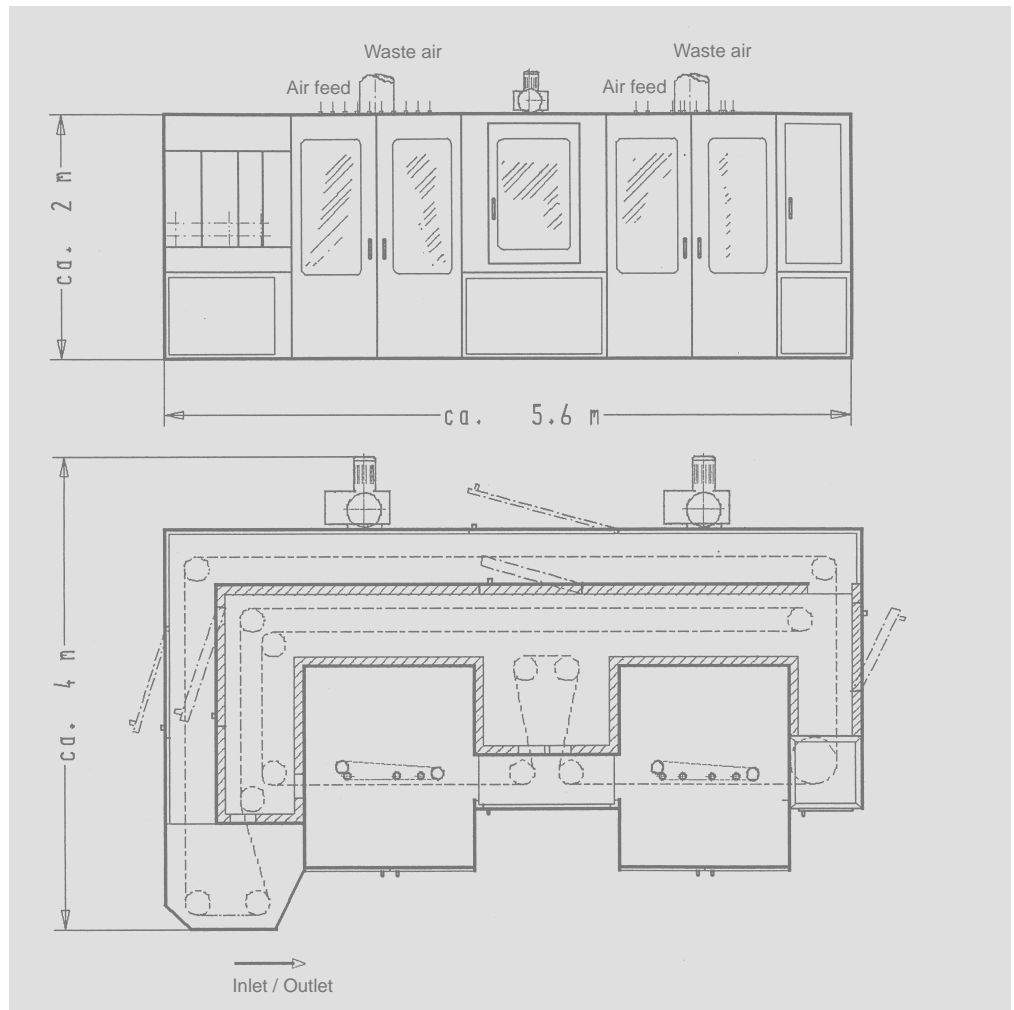
This machine is designed for spray coating of cylindrical workpieces.

The system is integrated in and mounted on sectional steel frames. The chain cover in the operating and coating zone is made of stainless steel. Transport chain drive is via a variable gear unit with an explosion-protected variable-speed gear motor. The cycle speed is adjustable from 2 to 20 cycles per minute, equivalent to a maximum machine output of 1,200 parts per hour.

The transport chain is supported in a guide rail, and a 1 inch roller chain prevents undesired polygon effects. Chain tension is effected automatically by a pneumatic cylinder. Three spindles at the coating point are variable controlled in a range from approx. 40 to 400 rpm via a control gear with explosion-protected threephase motor. The rotary motion is transferred via air-cushioned pressure rollers. A lifting device to hold the spray guns can be installed at the coating point. The linear lifting stroke also permits vertical spraying motions with one or more guns.

The lifting speed can be separately adjusted for forward and reverse motion. An electronic path recording unit permits customised programming of traversing paths within the range of the stroke.

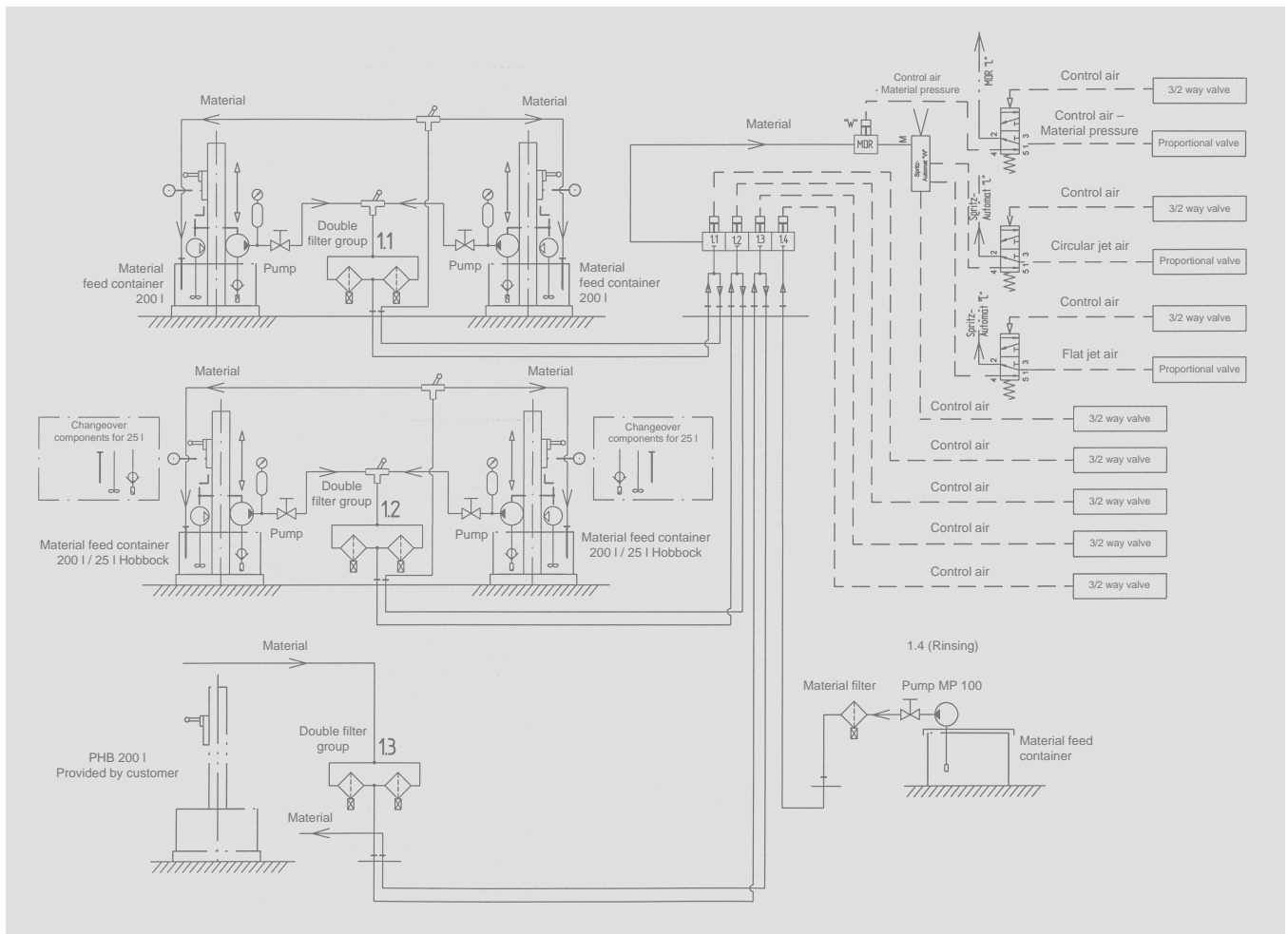
Dry exhaust-extraction is performed using a moveable filter trolley in which labyrinth baffle



filters with downstream fibre glass fine filters are installed. Additional fibre glass fine filters can be fitted in front of the main filter system. The filters are monitored by differential pressure needle pressure gauges with changing point display. There is an encapsulated ventilation zone behind the coating zone. Supply air feed is via an explosion-protected fan.

Two adjustable spraying times and spraying pressures can be set at the spraying point, and up to three spray guns can be connected in each case via rapid-fix couplings.

The spraying time is set via pushbuttons with digital time display. The spray guns connected to the lifting device are controlled in dependence on the lifting motion and the set lifting range. The system can be tailored to suit specific customer needs at any time; there is also a retrofit option for a chain extensions or a mounted drier.



Automatic paint feed system

The paint feed system is designed for the automatic supply of paints to automatic spray guns or hand-operated spraying stations. The system can also be designed for the use of water-based or solvent paints.

Paint changeover can be effected manually or via pneumatic control of the paint changeover valves. During paint changeover, a rinsing process is performed to remove paint residues from pipes, valves and the spray gun.

The paint is stored in 25-litre or 200-litre material feed containers. The system can also be connected to other sizes of container.

The delivery system equipment is mounted on lifting devices to ensure easy changeover of material feed containers.

The paint is conveyed to the draw off points through hoses and pipes. The required delivery pressure is generated by compressed air pumps.

A number of add-on units are available to improve the processing properties of the paints. For example:

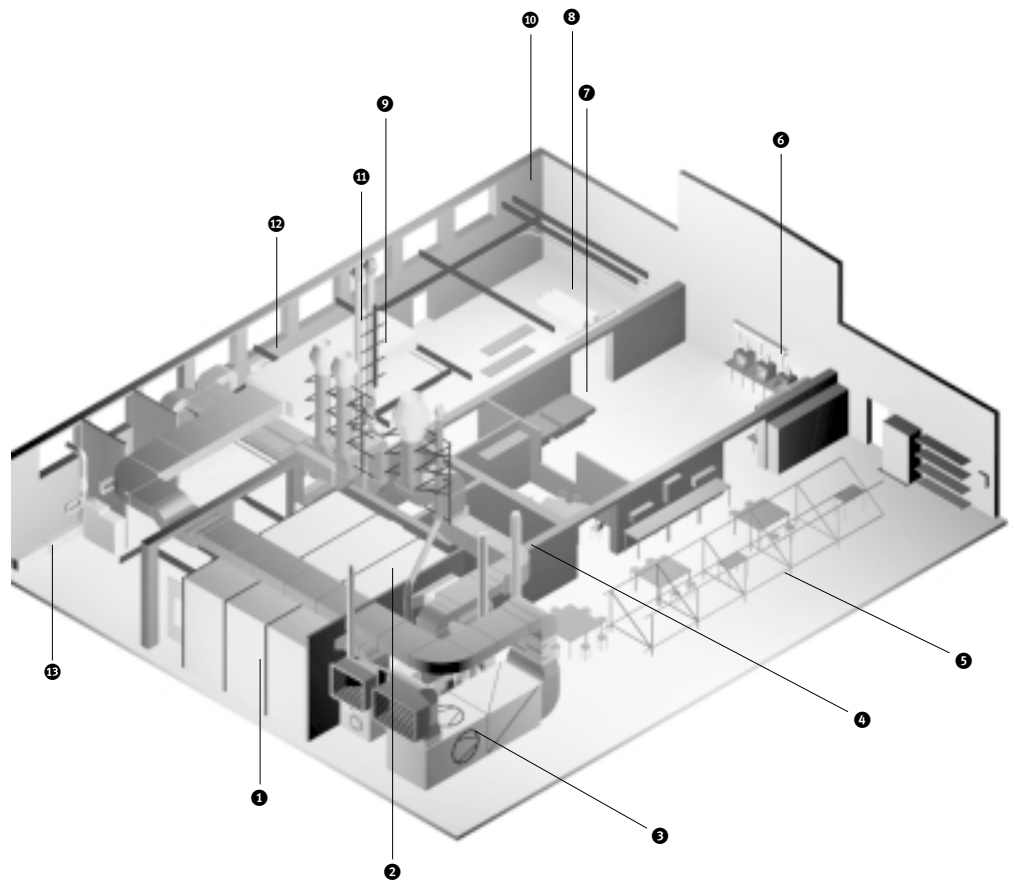
- compressed air stirrers can be installed in the material feed containers, and double filter assemblies can be inserted in the material feed lines.

- the material lines can be designed as circulation lines up to the material changeover valves.

- the pumps can be fitted with pressure equalisation containers to balance out pressure surges.

The paint feed systems are operated and controlled exclusively with compressed air. The independent compressed air pump extracts the paint from the material feed container, and the paint is conveyed via the pressure equalisation container and the actuator valve to the double filter assemblies, where it is filtered. The material then travels from the double filter assembly through a flexible hose line into the stainless steel pipe, and from there to the paint changeover valve. The paint changeover valves are pneumatically controlled. Unused paint is routed back to the material feed containers via a circulation line. If the paint changeover valve is open, the

paint flows to the material pressure regulator and from there to the automatic spray gun. The desired material pressure at the automatic spray gun can be variably adjusted on the material pressure regulator. The process is pneumatically controlled.



- ❶ Drying booth in steel cassette design, heating medium optional
- ❷ Coating booth in steel cassette design, heating medium optional
- ❸ Feed air unit for spraying wall and immersion bath
- ❹ VA smoke gas stack
- ❺ Preparation places
- ❻ Airbrush workplaces with exhaust device
- ❼ Sanding tables
- ❽ Immersion bath for priming/impregnation of wooden parts
- ❾ Metal degreasing including exhaust system
- ❿ Hand-operated suspended transport system with steel construction
- ⓫ Feed air filter ceiling
- ⓬ Paint spraying wall, 5 x 2 m
- ⓭ Ventilator for paint preparation stage

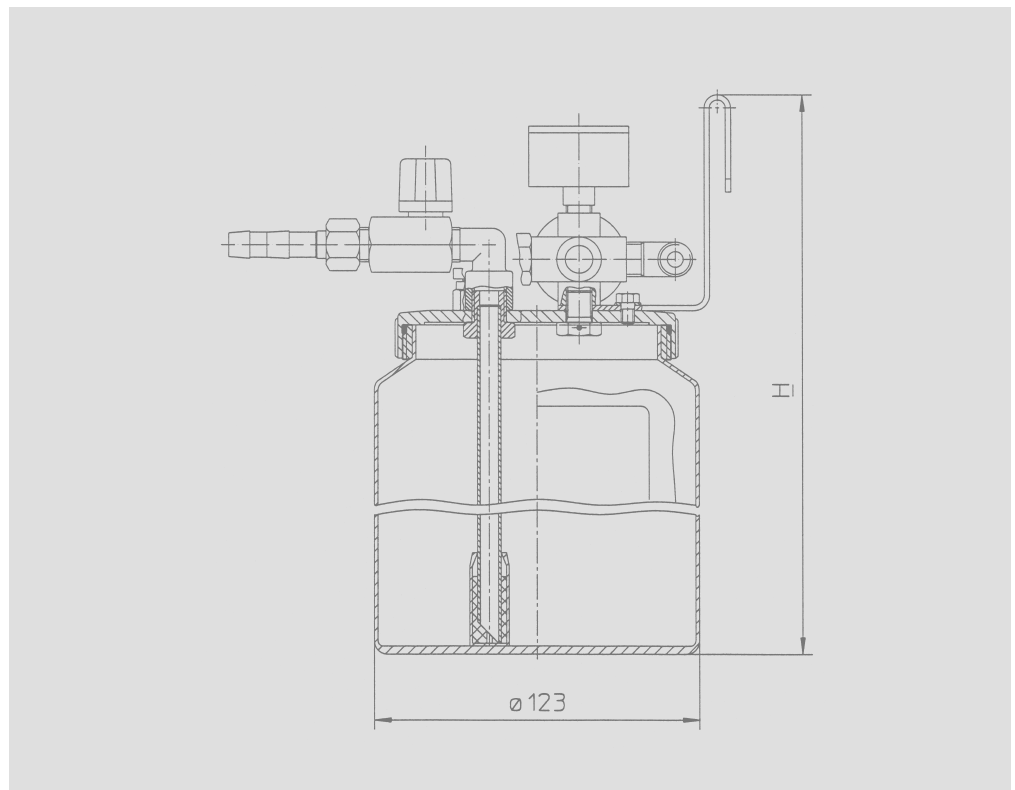
Material feed containers

Pressure feeding
containers



**Mini material pressure feeding
containers 1 litre**

Krautzberger material pressure feeding containers are ideal for use wherever large volumes of material are processed continuously. Depending on size and type, the containers can also be used to feed more than one spray gun. The wide selection of containers offers the optimum tank for any kind of operation. Krautzberger material pressure feeding containers are available with capacities from 1 litre to 100 litres; special sizes available on request.

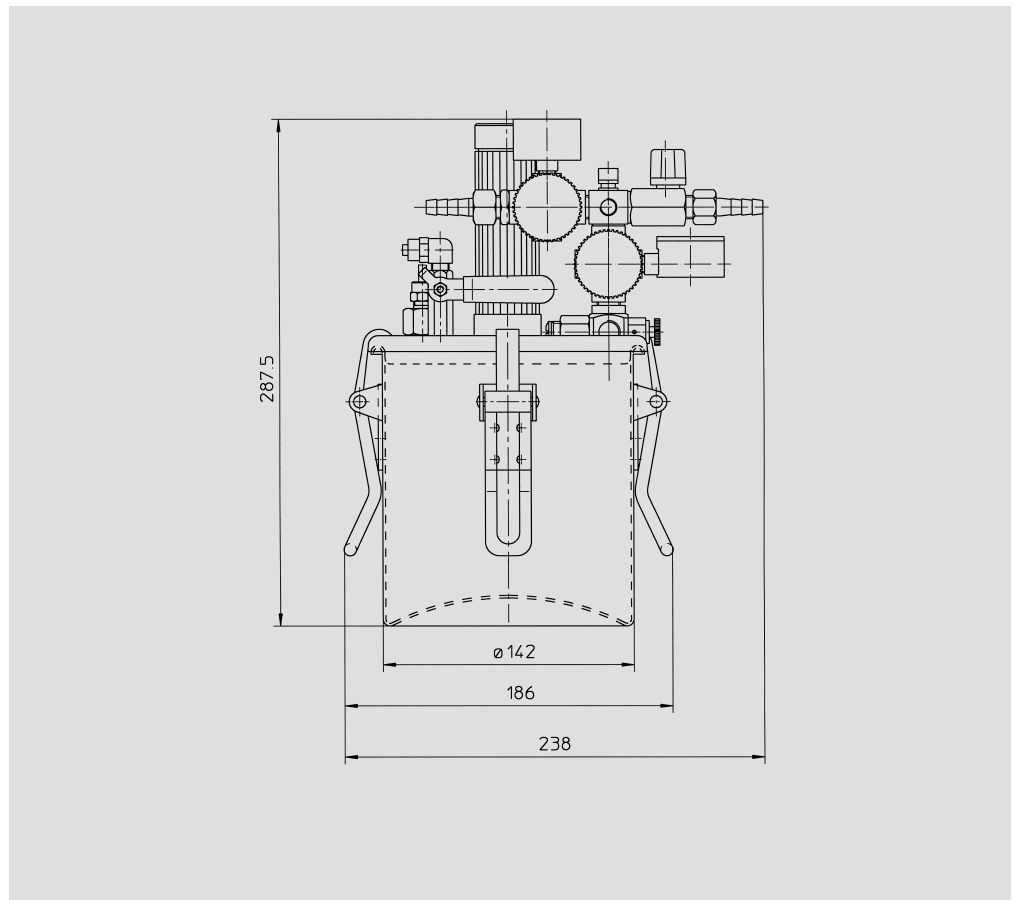
**Technical data**

Max. operating pressure: 3 bar
Max. operating temperature: 50°C
Air connection: hose, inner dia. 8/9
Material connection: hose, inner dia. 10/11
Weight: approx. 1.3 kg

Material pressure feeding containers 2 litres, stainless steel

Krautzberger material pressure feeding containers are ideal for use wherever large volumes of material are processed continuously. Depending on size and type, the containers can also be used to feed more than one spray gun. The wide selection of containers offers the optimum tank for any kind of operation. Krautzberger material pressure feeding containers are available with capacities from 1 litre to 100 litres; special sizes available on request.

In terms of material and design, the Krautzberger range of material pressure feeding containers meets the highest standards of trade and industry. The standard stainless steel design and a wide range of extension options permit their use in many areas of application. The fast-clamp closures ensure fast and safe opening of containers. Compressed air and electric stirring tools can be mounted on the container cover, as can various air and material exits or filling level monitoring systems.

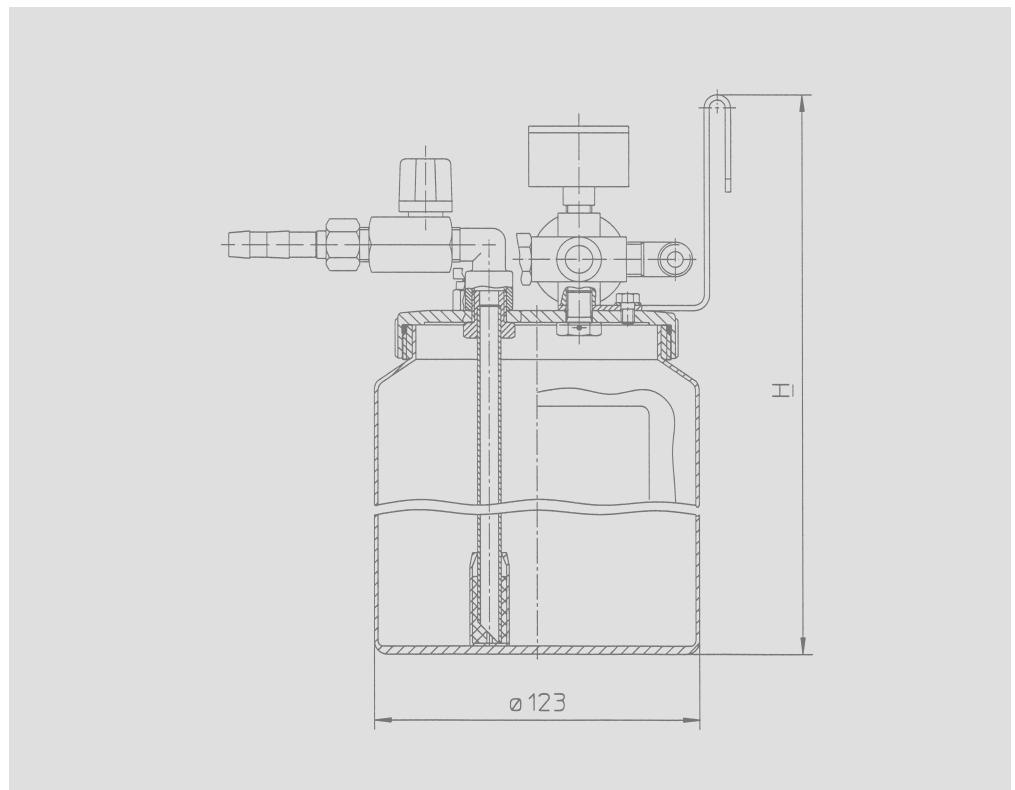


Technical data

Max. operating pressure:	2.5 bar
Max. operating temperature:	50 °C
Air connection, internal hose:	dia. 8/9
Material connection, internal hose:	PI-6
Weight, depending on equipment:	2.4-4.3 kg

**Mini material pressure feeding
containers 2 litres**

Krautzberger material pressure feeding containers are ideal for use wherever large volumes of material are processed continuously. Depending on size and type, the containers can also be used to feed more than one spray gun. The wide selection of containers offers the optimum tank for any kind of operation. Krautzberger material pressure feeding containers are available with capacities from 1 litre to 100 litres; special sizes available on request.

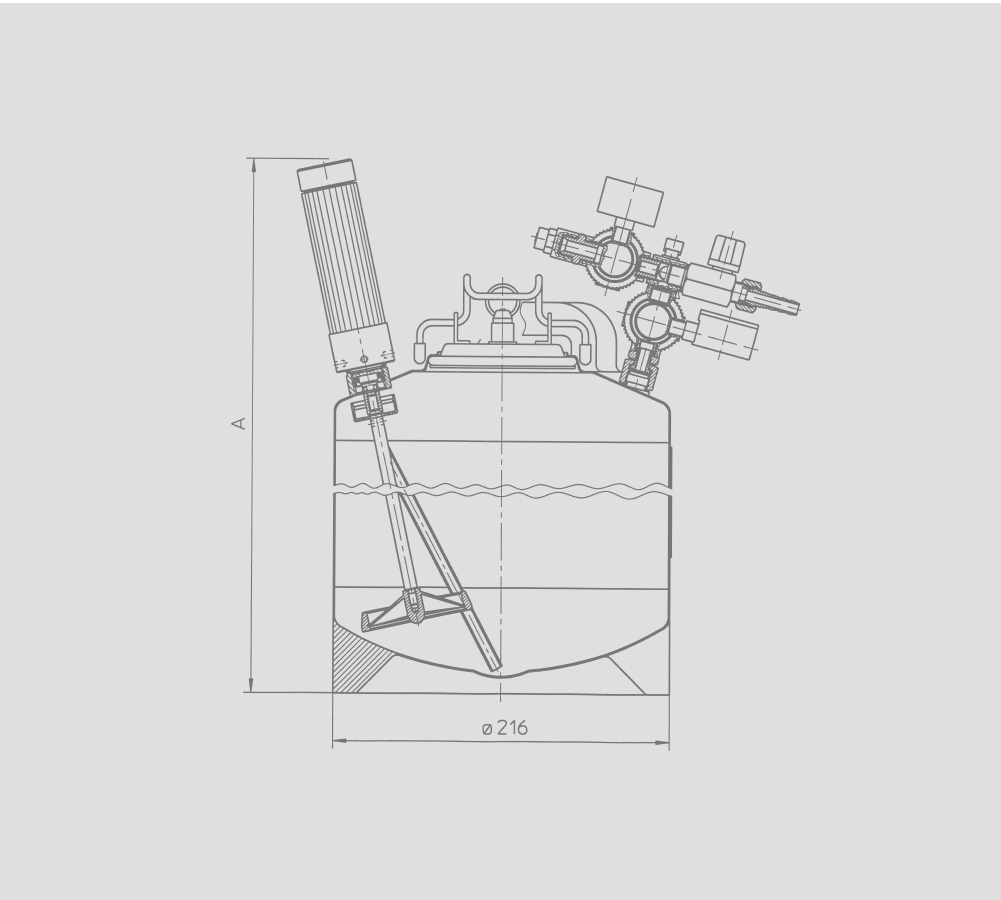
**Technical data**

Max. operating pressure: 3 bar
Max. operating temperature: 50°C
Air connection: hose, inner dia. 8/9
Material connection: hose, inner dia. 10/11
Weight: approx. 1.4 kg

**Material pressure feeding
containers**
5 litres, stainless steel

Krautzberger material pressure feeding containers are ideal for use wherever large volumes of material are processed continuously. Depending on size and type, the containers can also be used to feed more than one spray gun. The wide selection of containers offers the optimum tank for any kind of operation. Krautzberger material pressure feeding containers are available with capacities from 1 litre to 100 litres; special sizes available on request.

In terms of material and design, the Krautzberger range of material pressure feeding containers meets the highest standards of trade and industry. The standard stainless steel design and a wide range of extension options permit their use in many areas of application. The fast-clamp closures ensure fast and safe opening of containers. Compressed air and electric stirring tools can be mounted on the container cover, as can various air and material exits or filling level monitoring systems.



Version	Capacity	Operating pressure	Order no.
With top material insert	5 l	max. 6 bar	5705-000
With bottom material insert R 1/2"	5 l	max. 6 bar	5725-000

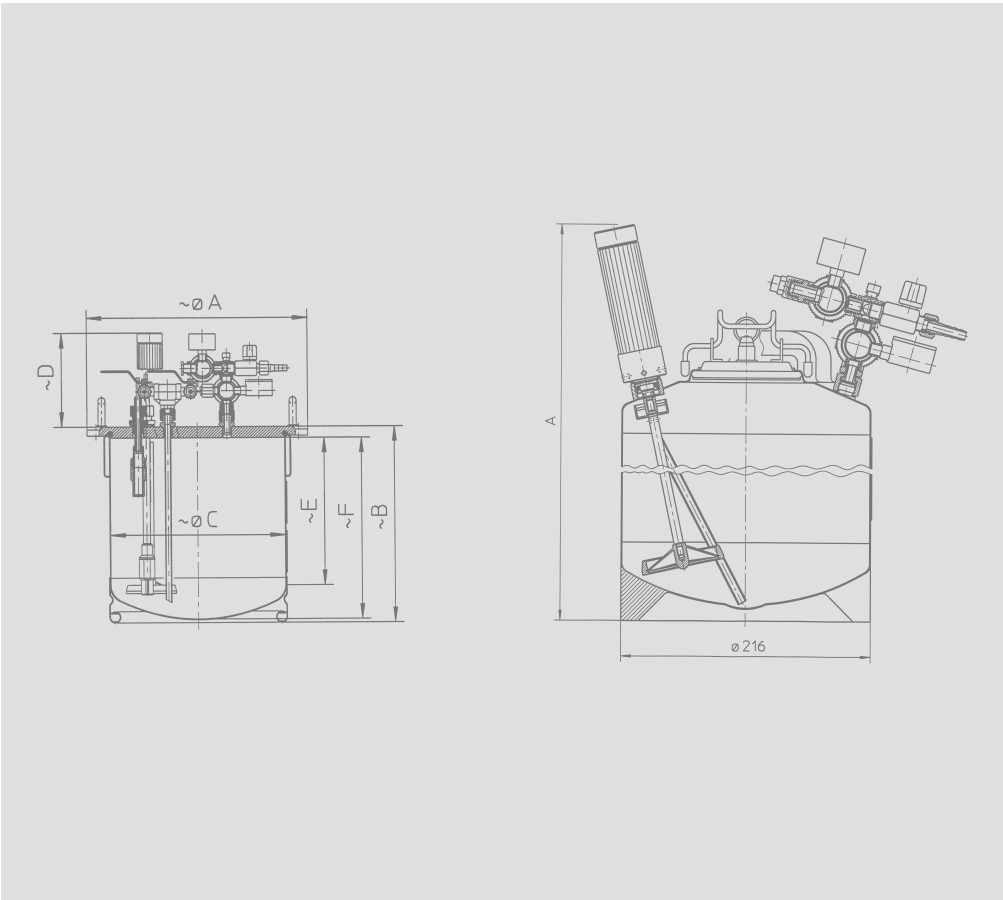
Technical data

Max. operating pressure: 6 bar
 Max. operating temperature: 50 °C
 Air connection, internal hose: dia. 8/9
 Material connection, internal hose: dia. 10/11
 Weight, depending on equipment: 3-4 kg

**Material pressure feeding
containers**
10 litres, stainless steel

Krautzberger material pressure feeding containers are ideal for use wherever large volumes of material are processed continuously. Depending on size and type, the containers can also be used to feed more than one spray gun. The wide selection of containers offers the optimum tank for any kind of operation. Krautzberger material pressure feeding containers are available with capacities from 1 litre to 100 litres; special sizes available on request.

In terms of material and design, the Krautzberger range of material pressure feeding containers meets the highest standards of trade and industry. The standard stainless steel design and a wide range of extension options permit their use in many areas of application. The fast-clamp closures ensure fast and safe opening of containers. Compressed air and electric stirring tools can be mounted on the container cover, as can various air and material exits or filling level monitoring systems.



Version	Capacity	Operating pressure	Order no.
With top material insert	10 l	max. 6 bar	5710-000
With bottom material insert R 1/2"	10 l	max. 6 bar	5730-000
Stainless steel version	10 l	max. 6 bar	5707-000

Technical data

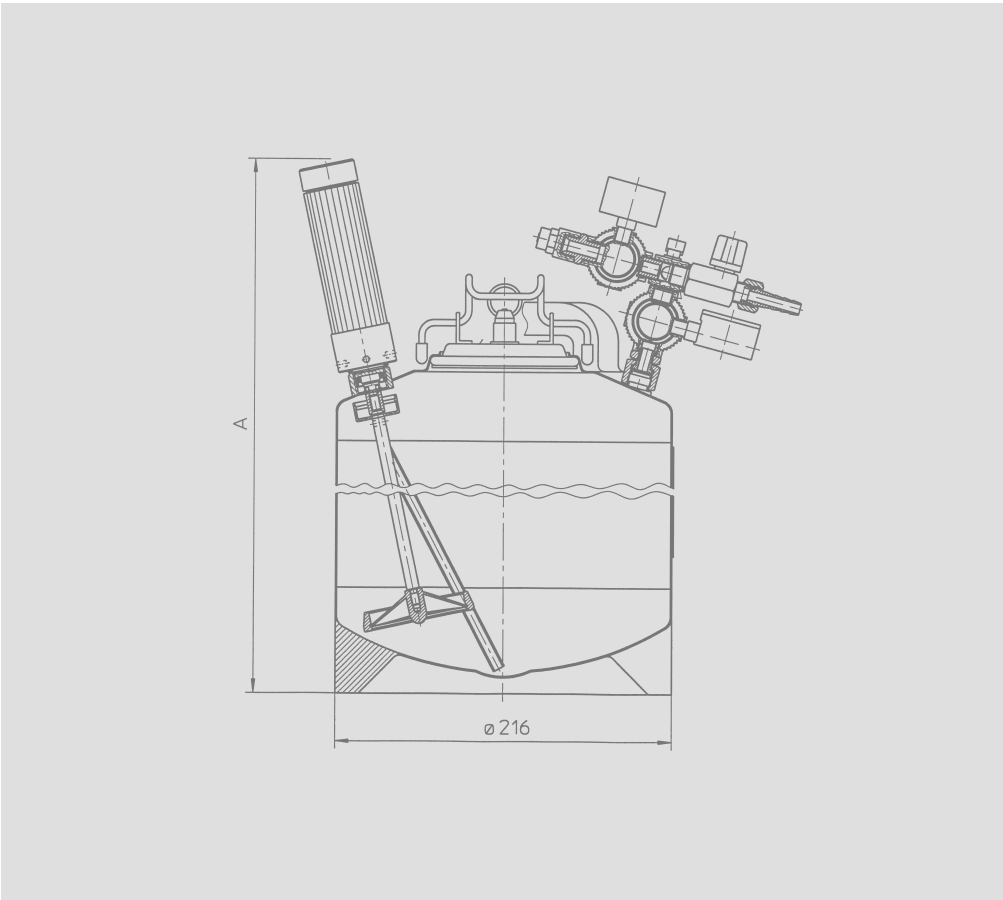
Max. operating pressure: 6 bar
 Max. operating temperature: 50 °C
 Air connection, internal hose: dia. 8/9
 Material connection, internal hose: dia.10/11
 Material connection, two-fold: dia. 8/9
 Weight, depending on equipment: 3.7-18 kg



**Material pressure feeding
containers**
19 litres, stainless steel

Krautzberger material pressure feeding containers are ideal for use wherever large volumes of material are processed continuously. Depending on size and type, the containers can also be used to feed more than one spray gun. The wide selection of containers offers the optimum tank for any kind of operation. Krautzberger material pressure feeding containers are available with capacities from 1 litre to 100 litres; special sizes available on request.

In terms of material and design, the Krautzberger range of material pressure feeding containers meets the highest standards of trade and industry. The standard stainless steel design and a wide range of extension options permit their use in many areas of application. The fast-clamp closures ensure fast and safe opening of containers. Compressed air and electric stirring tools can be mounted on the container cover, as can various air and material exits or filling level monitoring systems.



Version	Capacity	Operating pressure	Order no.
With top material insert	19 l	max. 6 bar	5719-000
With bottom material insert R 1/2"	19 l	max. 6 bar	5739-000

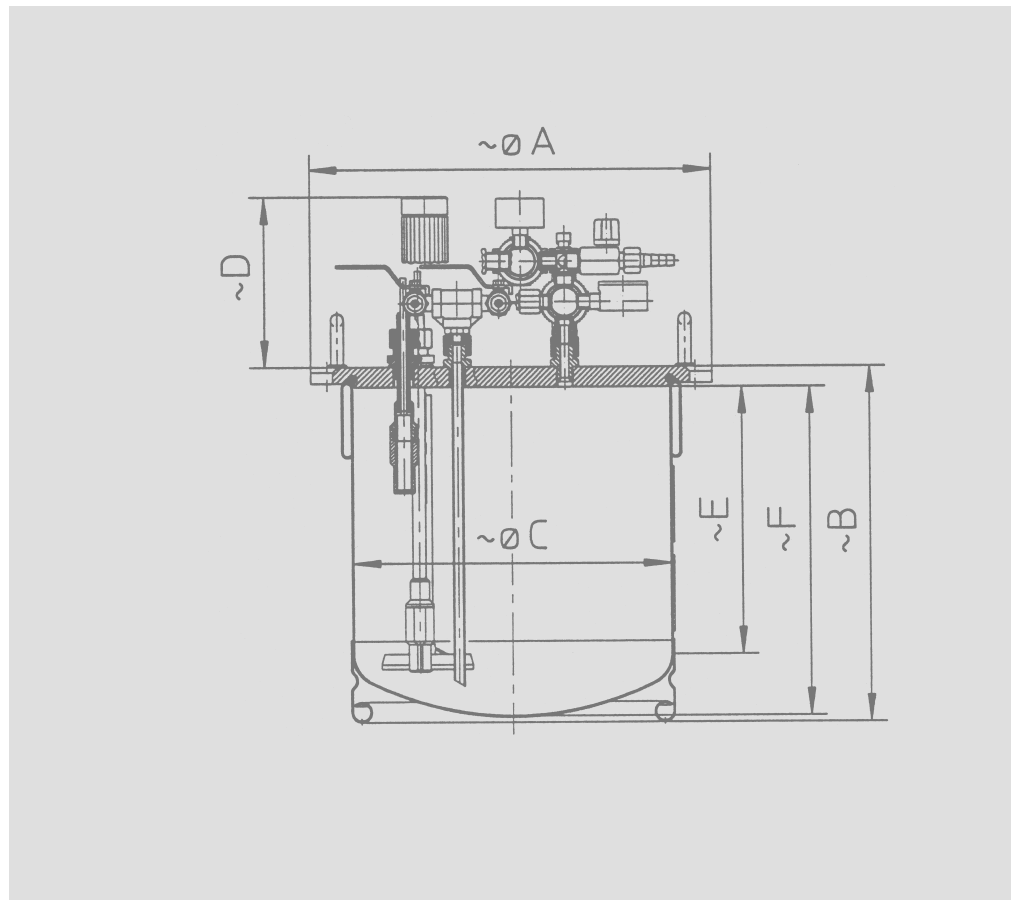
Technical data

Max. operating pressure: 2.5 bar
Max. operating temperature: 50 °C
Air connection, internal hose: dia. 8/9
Material connection, internal hose: dia. 10/11
Weight, depending on equipment: 5.1-6 kg

Material pressure feeding containers 20 litres, stainless steel

Krautzberger material pressure feeding containers are ideal for use wherever large volumes of material are processed continuously. Depending on size and type, the containers can also be used to feed more than one spray gun. The wide selection of containers offers the optimum tank for any kind of operation. Krautzberger material pressure feeding containers are available with capacities from 1 litre to 100 litres; special sizes available on request.

In terms of material and design, the Krautzberger range of material pressure feeding containers meets the highest standards of trade and industry. The standard stainless steel design and a wide range of extension options permit their use in many areas of application. The fast-clamp closures ensure fast and safe opening of containers. Compressed air and electric stirring tools can be mounted on the container cover, as can various air and material exits or filling level monitoring systems.



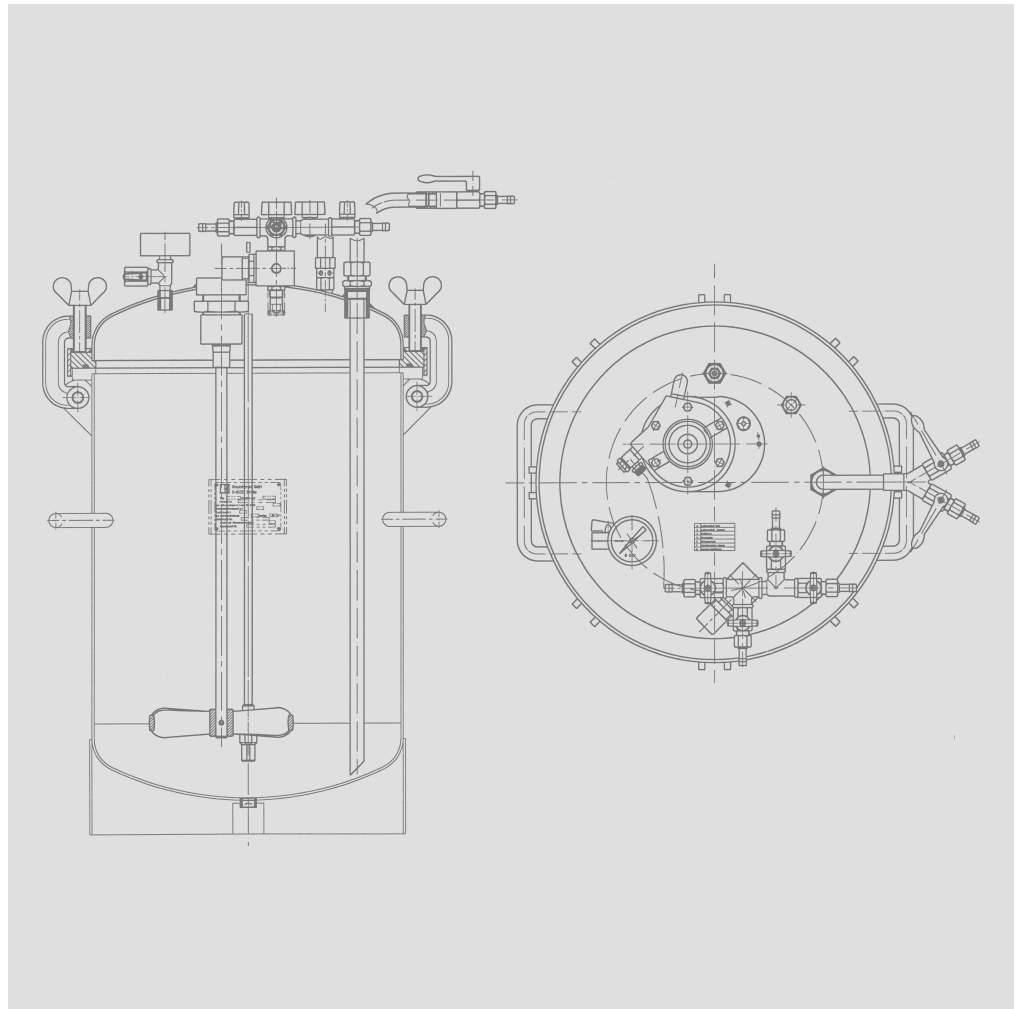
Technical data

Max. operating pressure:	6 bar
Max. operating temperature:	50 °C
Air connection, internal hose:	dia. 8/9
Material connection, internal hose:	dia. 10/11
Material connection, two-fold:	dia. 8/9
Weight, depending on equipment:	17-25 kg

**Material pressure feeding
containers 50 litres, Hobbock,
2.5 bar**

Krautzberger material pressure feeding containers are ideal for use wherever large volumes of material are processed continuously. Depending on size and type, the containers can also be used to feed more than one spray gun. The wide selection of containers offers the optimum tank for any kind of operation. Krautzberger material pressure feeding containers are available with capacities from 1 litre to 100 litres; special sizes available on request.

These material pressure feeding containers are made of thick sheet steel and hot-galvanised inside and out. The containers are equipped with easy-to-operate clamp closures. The riser pipe is made of stainless steel. Standard equipment includes pressure regulator, pressure gauge, safety valve, a material connection and an air connection with ball valve. The insert containers are available in enamelled, galvanised or stainless steel versions. Hand-held, electric or compressed air stirrers are available for all containers.





Material feed containers

Pressure feeding
containers

50 l hobcock

2.5 bar

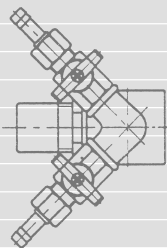
Order no. 200-0157

Material feed containers	Steel, galvanised	Stainless steel		
	x	+		
Lid seal	EPDM	NBR	PE	Viton
	x	+	+	+
Material outlet, single	Brass	Stainless steel		
DN 8/9 with hose nozzle	x	+		
G 3/8" AG	+	+		
Material outlet, double	Brass	Stainless steel		
DN 8/9 with hose nozzle	+	+		
G 3/8" AG	+	+		
Material outlet, triple	Brass	Stainless steel		
DN 8/9 with hose nozzle	+	+		
G 3/8" AG	+	+		
Stirrer opening	closed	Opening for stirrer*	Opening for level probe	Opening for filling connection
	x	+	+	+
Air fitting with container pressure regulator, 2.5 bar without spraying air regulator	DIN 8/9 with hose nozzle			
Single spraying air outlet	+			
Double spraying air outlet	+			
Air fitting with container pressure regulator, 2.5 bar with two spraying air regulators, 6 bar	DIN 8/9 with hose nozzle		G3/8" AG	
Double spraying air outlet	+		+	
Air fitting with container pressure regulator, 6 bar without spraying air regulator	DIN 8/9 with hose nozzle		G3/8" AG	
Single spraying air outlet	x		+	
Double spraying air outlet	+		+	
Triple spraying air outlet	+		+	
Air fitting with container pressure regulator, 6 bar with one spraying air regulator, 6 bar	DIN 8/9 with hose nozzle		G3/8" AG	
Single spraying air outlet	+		+	
Single spraying air outlet, separate air outlet for compressed air stirrer	+		+	
Double spraying air outlet	+		+	
Double spraying air outlet, separate air outlet for compressed air stirrer	+		+	
Triple spraying air outlet	+		+	
Triple spraying air outlet, separate air outlet for compressed air stirrer	+		+	
Air fitting with container pressure regulator, 6 bar with two spraying air regulators, 6 bar	DIN 8/9 with hose nozzle		G3/8" AG	
Double spraying air outlet	+		+	
Level probe opening	Closed	Opening for level probe		
	x	+		
Insert container	without	Insert container made of stainless steel		
	x	+		
Follow-up plate	without	Follow-up plate made of stainless steel		
	x	+		
* For stirrers, see "Accessories", max. shaft length: 518 mm, max. stirrer blade dia.: 185 mm				

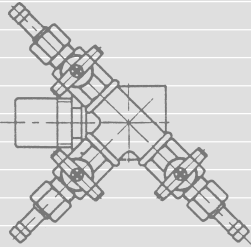
Subject to change



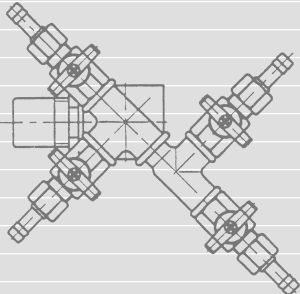
Overview



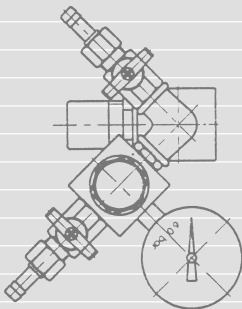
Container pressure
regulator, 6 bar
without spraying air
regulator
single



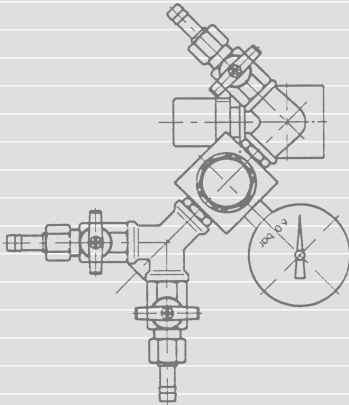
Container pressure
regulator, 6 bar
without spraying air
regulator
double



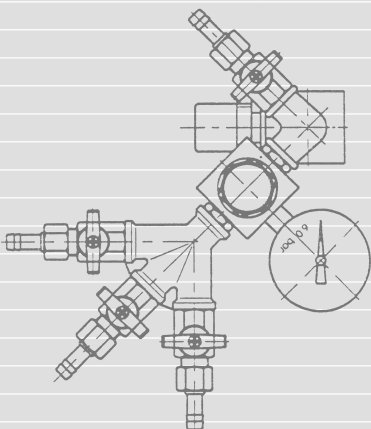
Container pressure
regulator, 6 bar
without spraying air
regulator
triple



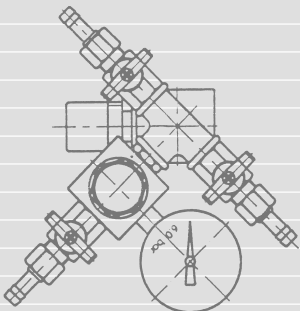
Container pressure
regulator and spraying
air regulator, 6 bar
single



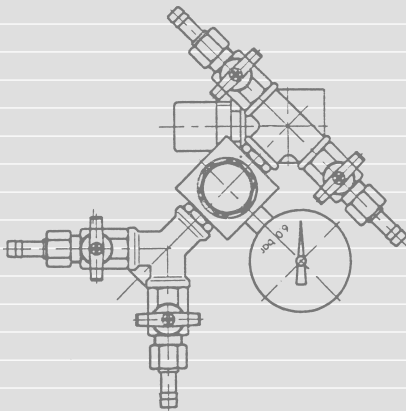
Container pressure
regulator and spraying
air regulator, 6 bar
double



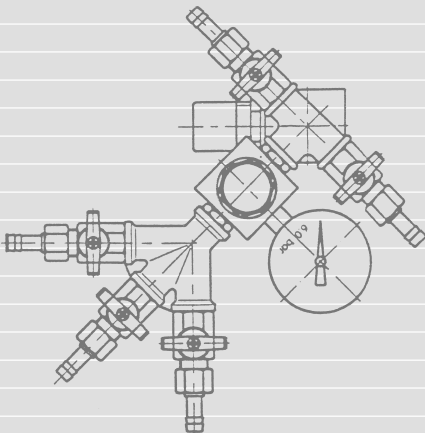
Container pressure
regulator and spraying
air regulator, 6 bar
triple



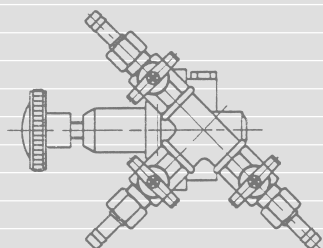
Container pressure
regulator and spraying
air regulator, 6 bar,
for compressed air stirrer
single



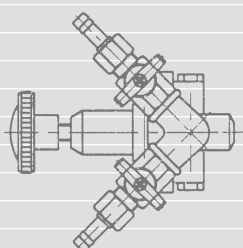
Container pressure
regulator and spraying
air regulator, 6 bar,
for compressed air stirrer
double



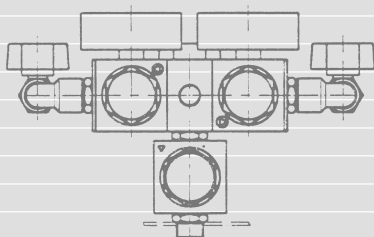
Container pressure
regulator and spraying
air regulator, 6 bar,
for compressed air stirrer
triple



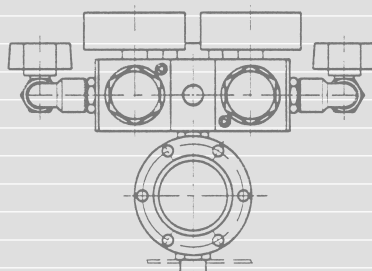
Container pressure regulator, 2.5 bar,
(big diaphragm)
without spraying air regulator,
single



Container pressure regulator, 2.5 bar,
(big diaphragm)
without spraying air regulator,
double



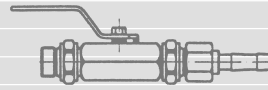
Container pressure regulator, 6 bar, and
two spraying air regulators, 6 bar
double



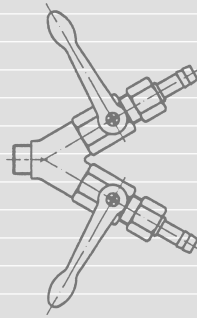
Container pressure regulator, 2.5 bar,
(big diaphragm)
and two spraying air regulators, 6 bar
double



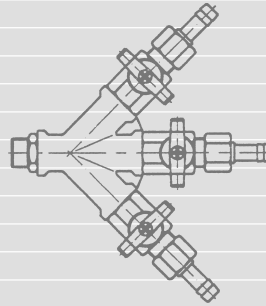
Material connection
Brass, single



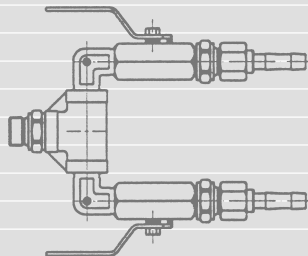
Material connection
Stainless steel, single



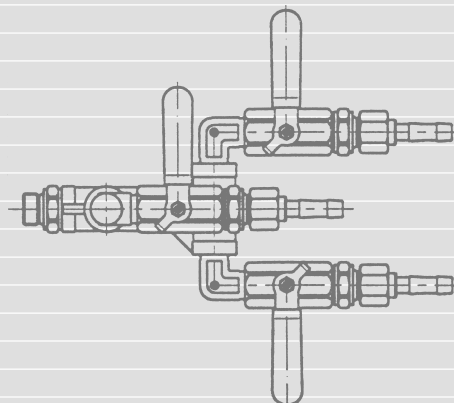
Material connection
Brass, double



Material connection
Brass, triple



Material connection
Stainless steel, double

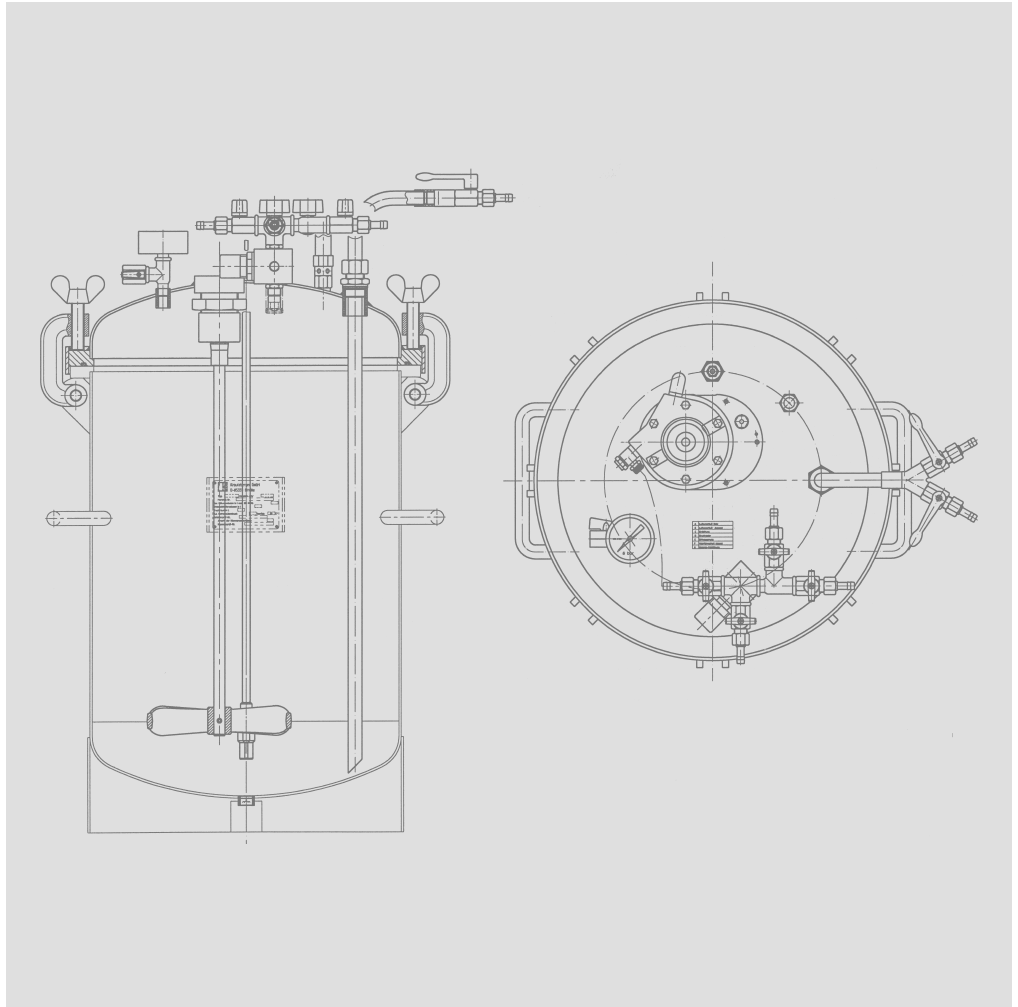


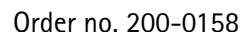
Material connection
Stainless steel, triple

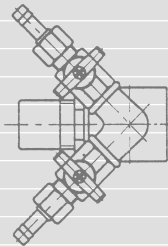
**Material pressure feeding
containers 50 litres, Hobbock,
6 bar**

Krautzberger material pressure feeding containers are ideal for use wherever large volumes of material are processed continuously. Depending on size and type, the containers can also be used to feed more than one spray gun. The wide selection of containers offers the optimum tank for any kind of operation. Krautzberger material pressure feeding containers are available with capacities from 1 litre to 100 litres; special sizes available on request.

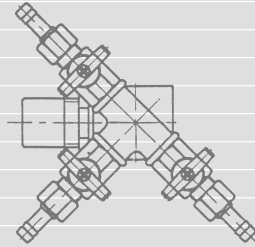
These material pressure feeding containers are made of thick sheet steel and hot-galvanised inside and out. The containers are equipped with easy-to-operate clamp closures. The riser pipe is made of stainless steel. Standard equipment includes pressure regulator, pressure gauge, safety valve, a material connection and an air connection with ball valve. The insert containers are available in enamelled, galvanised or stainless steel versions. Hand-held, electric or compressed air stirrers are available for all containers.



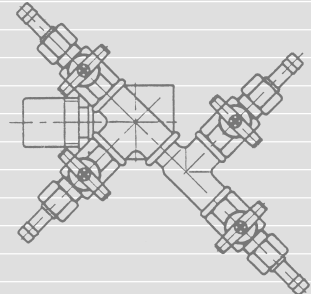
Subject to change



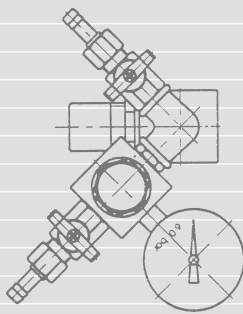
Container pressure
regulator, 6 bar
without spraying air
regulator
single



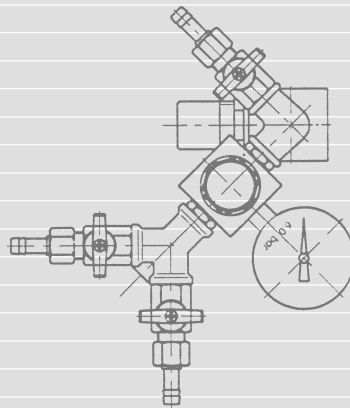
Container pressure
regulator, 6 bar
without spraying air
regulator
double



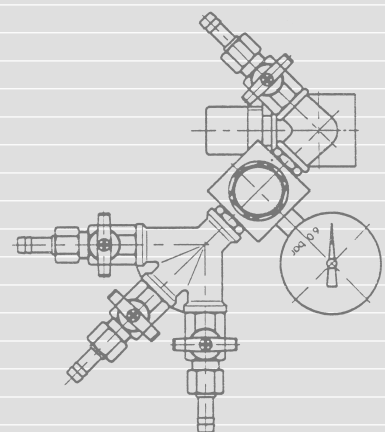
Container pressure
regulator, 6 bar
without spraying air
regulator
triple



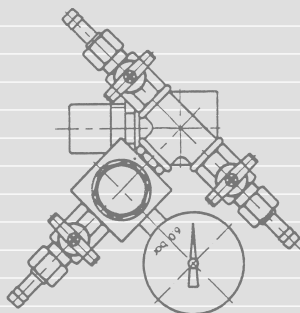
Container pressure
regulator and spraying
air regulator, 6 bar
single



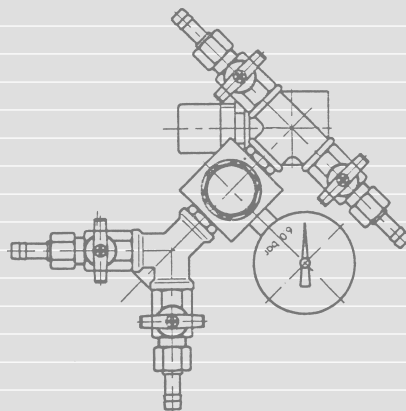
Container pressure
regulator and spraying
air regulator, 6 bar
double



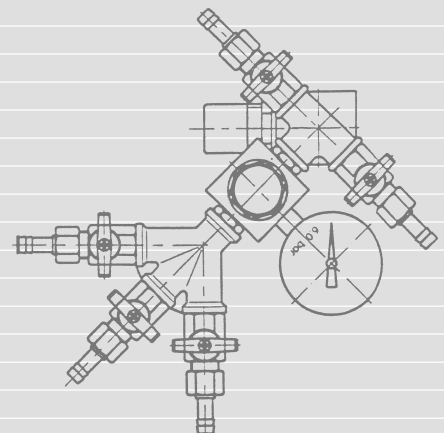
Container pressure
regulator and spraying
air regulator, 6 bar
triple



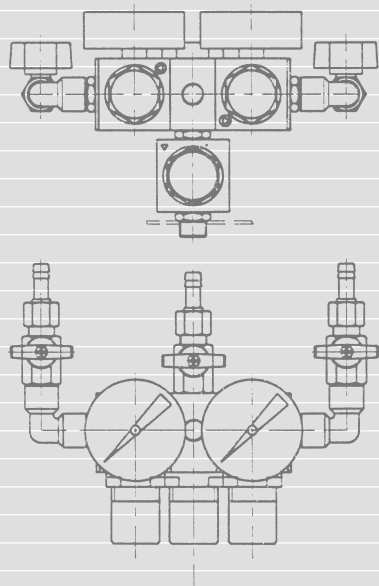
Container pressure
regulator and spraying
air regulator, 6 bar,
for compressed air stirrer
single



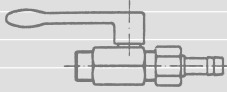
Container pressure
regulator and spraying
air regulator, 6 bar,
for compressed air stirrer
double



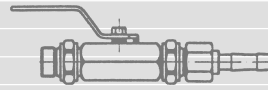
Container pressure
regulator and spraying
air regulator, 6 bar,
for compressed air stirrer
triple



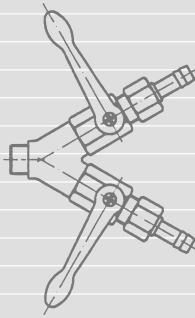
Container pressure regulator, 6 bar,
and two spraying air regulators, 6 bar
double



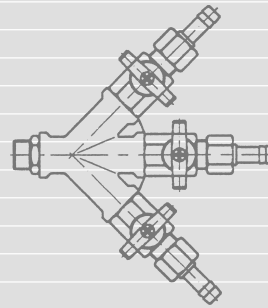
Material connection
Brass, single



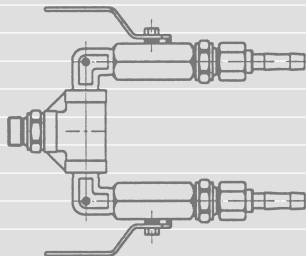
Material connection
Stainless steel, single



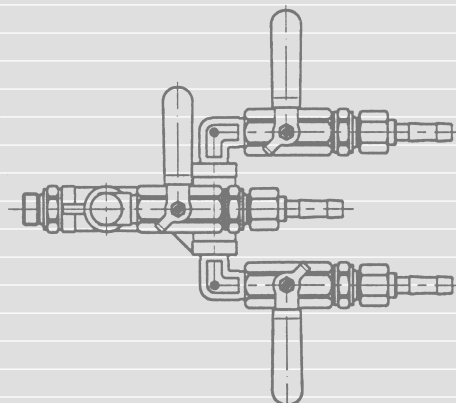
Material connection
Brass, double



Material connection
Brass, triple



Material connection
Stainless steel, double



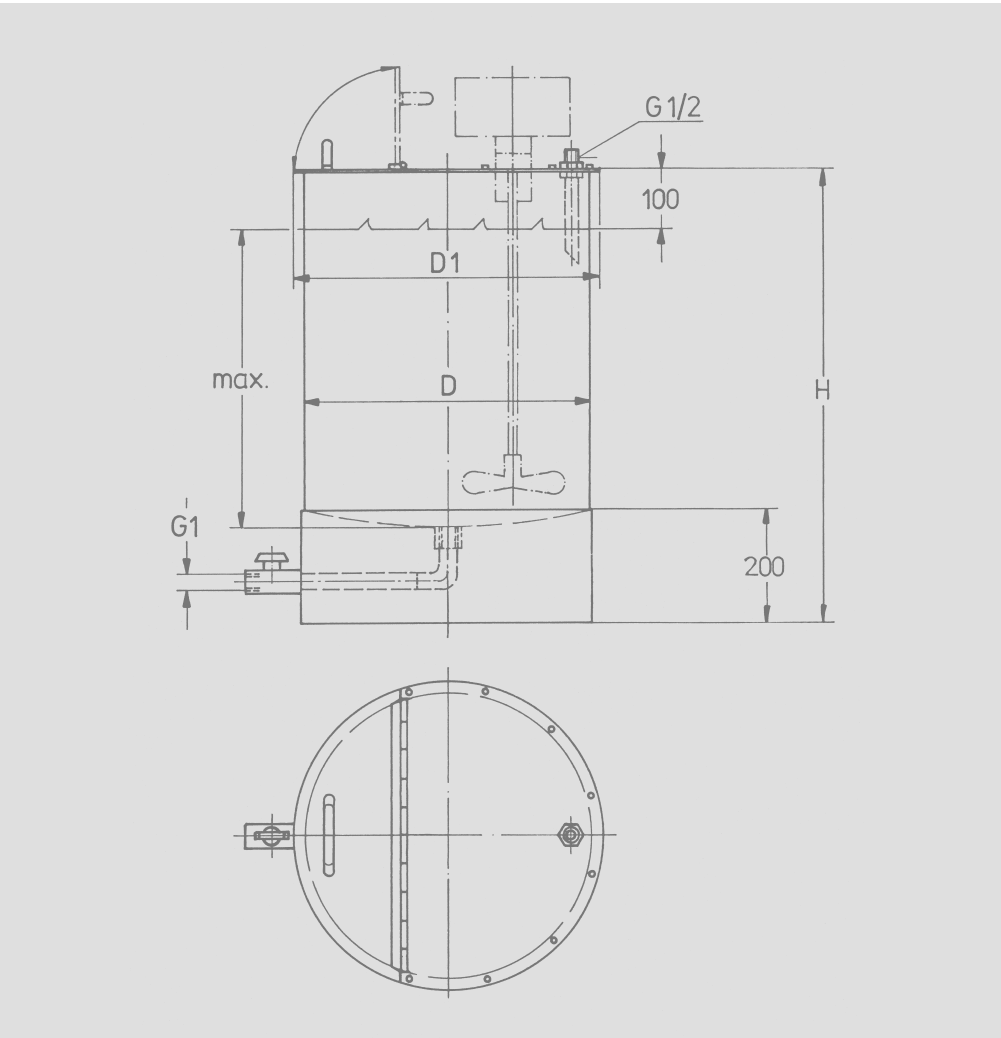
Material connection
Stainless steel, triple



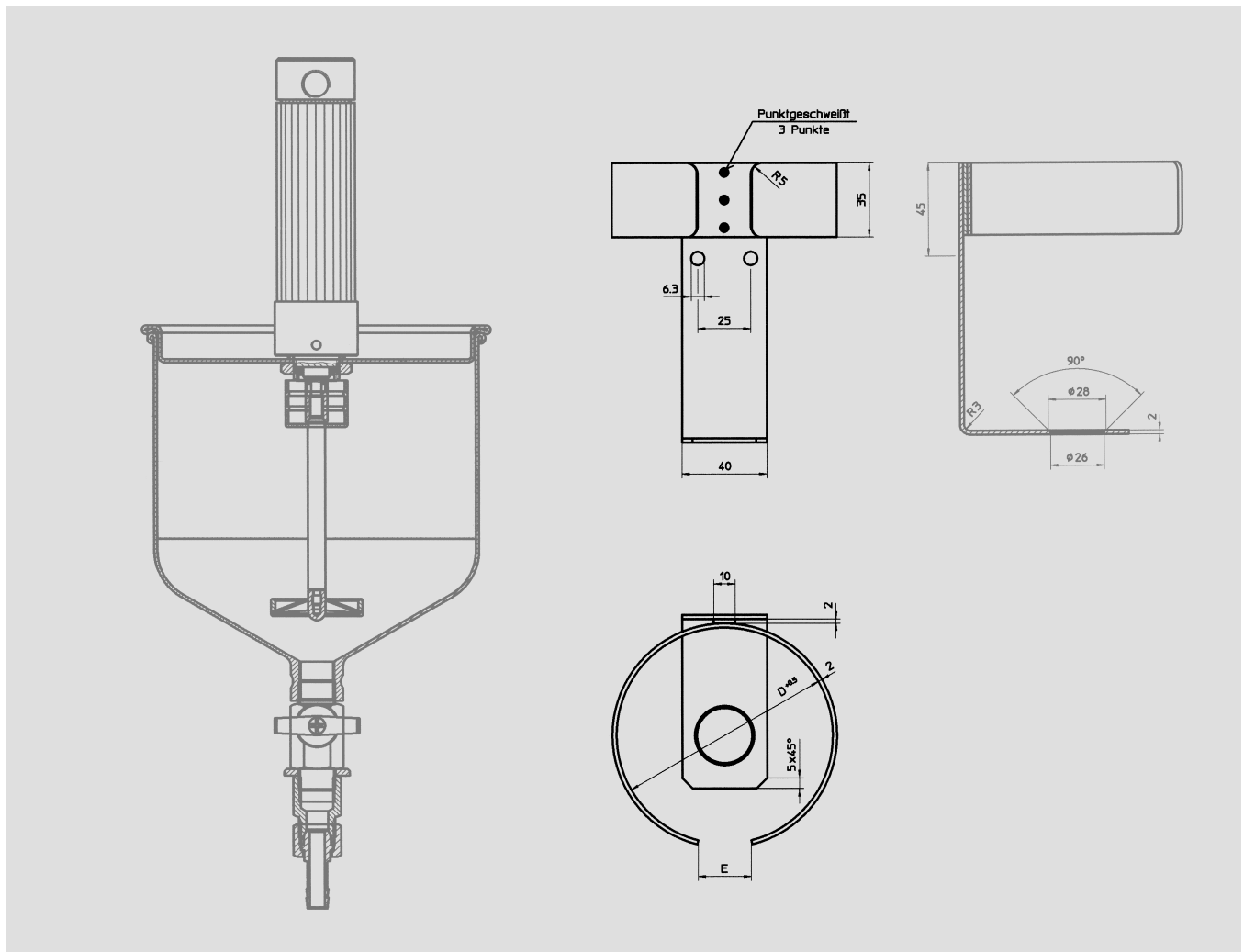
Material feed containers
50 – 500 litres,
galvanised

Krautzberger material feed containers are ideal for use when feed from small gravity or suction cups is too complicated, when feed from the original containers is not possible, or when the coatings to be sprayed require constant stirring. Galvanised sheet steel containers with effective capacities from 50 litres to 500 litres are available for this purpose.

Special sizes available on request. The containers are fitted with a screw-fixed cover on which pumps, stirrers, filling level monitoring systems etc. can be mounted. Filling is generally effected via a third-part opening in the cover. The container is drained via a mounted drain with shutoff tap.



Pressureless containers					
Capacity effective	Container size			Sheet steel, galvanised	Stainless steel
	D	D1	H	Order no.	Order no.
50 l	400	440	700	090-1263	090-1253
100 l	500	540	800	090-1264	090-1254
150 l	600	640	850	090-1265	090-1255
200 l	650	690	900	090-1266	090-1256
250 l	700	740	950	090-1267	090-1257
300 l	700	740	1050	090-1268	090-1258
350 l	750	790	1050	090-1269	090-1259
400 l	800	840	1050	090-1270	090-1260
450 l	800	840	1150	090-1271	090-1261
500 l	850	890	1150	090-1272	090-1262

**Gravity feeding containers**

Aluminium, Capacity: 2 litres

polished
hard-coatedWall bracket
for gravity feeding container

without stirrer

Order no. 080-2389

Order no. 080-2253

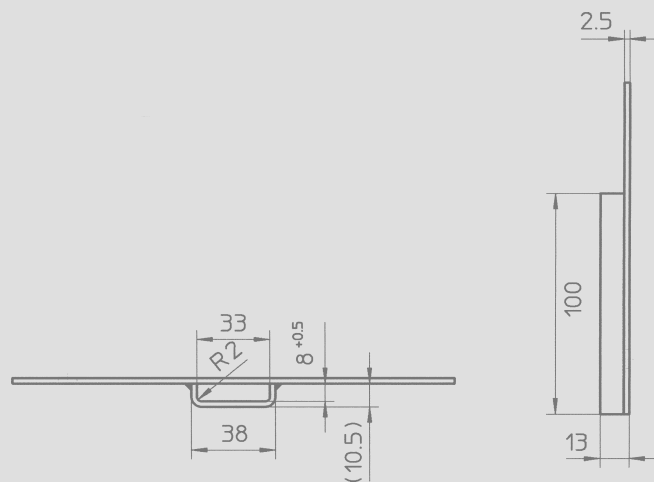
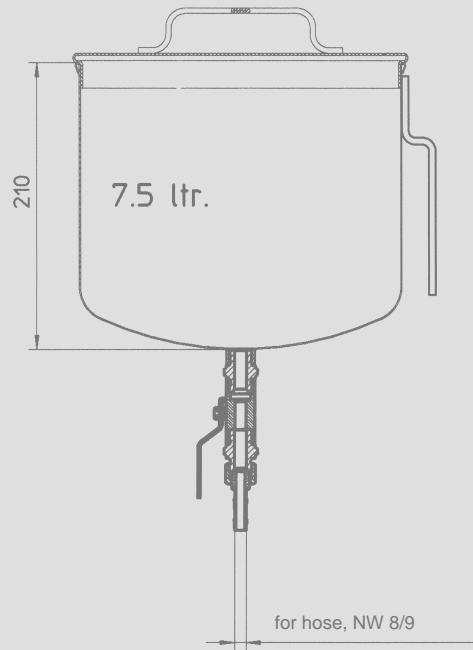
2 litre cup capacity

Order no. 080-0253

with stirrer

-

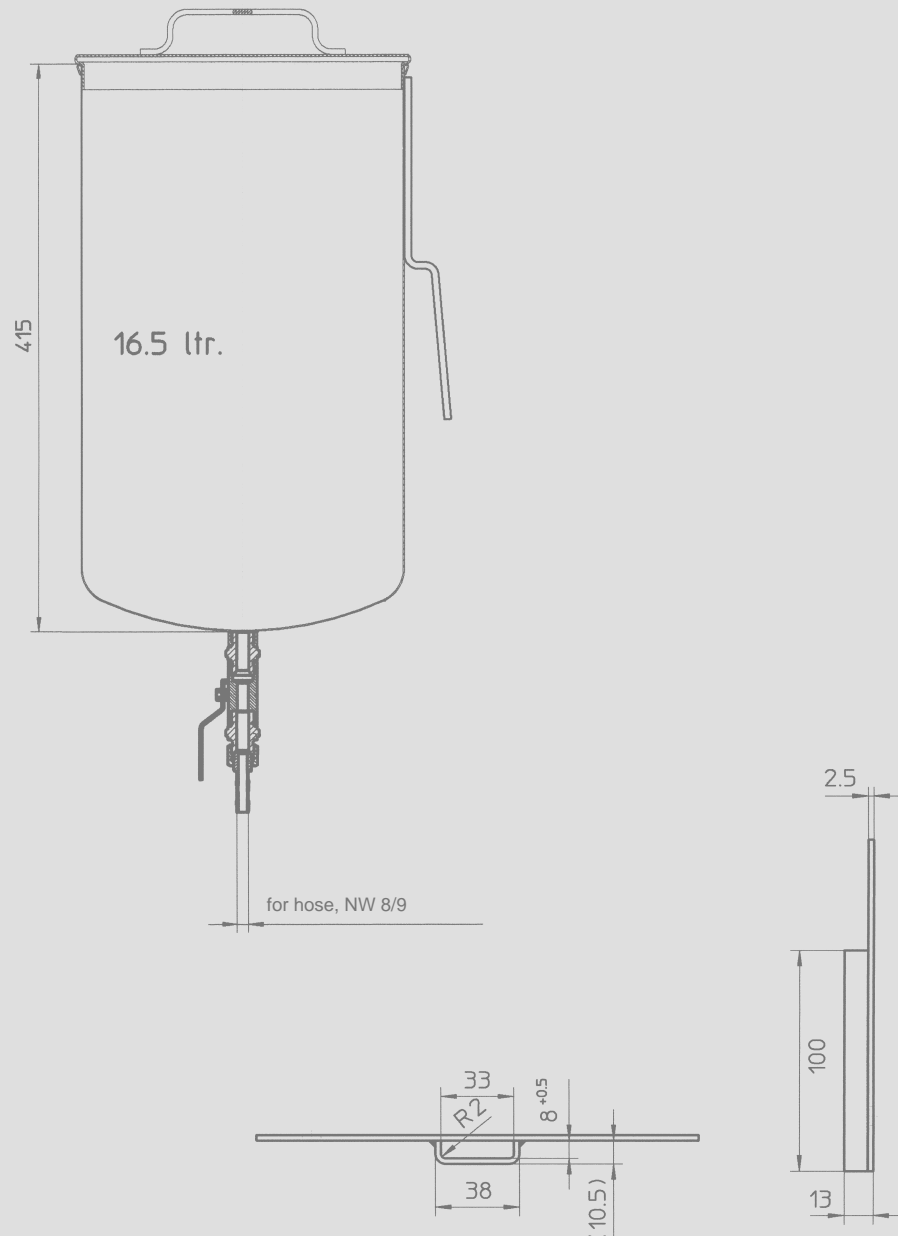
Order no. 090-1980



Gravity feeding containers,
Stainless steel, capacity: 7.5 litres

Connection parts, stainless steel	Order no. 090-2570
Connection parts, brass	Order no. 090-2572

Wall bracket	7.5 litre cup capacity
for gravity feeding container	Order no. 080-1056



Gravity feeding containers

Stainless steel, capacity: 16.5 litres

Connection parts, stainless steel
Connection parts, brass

Order no. 090-2571
Order no. 090-2573

Wall bracket
for gravity feeding container

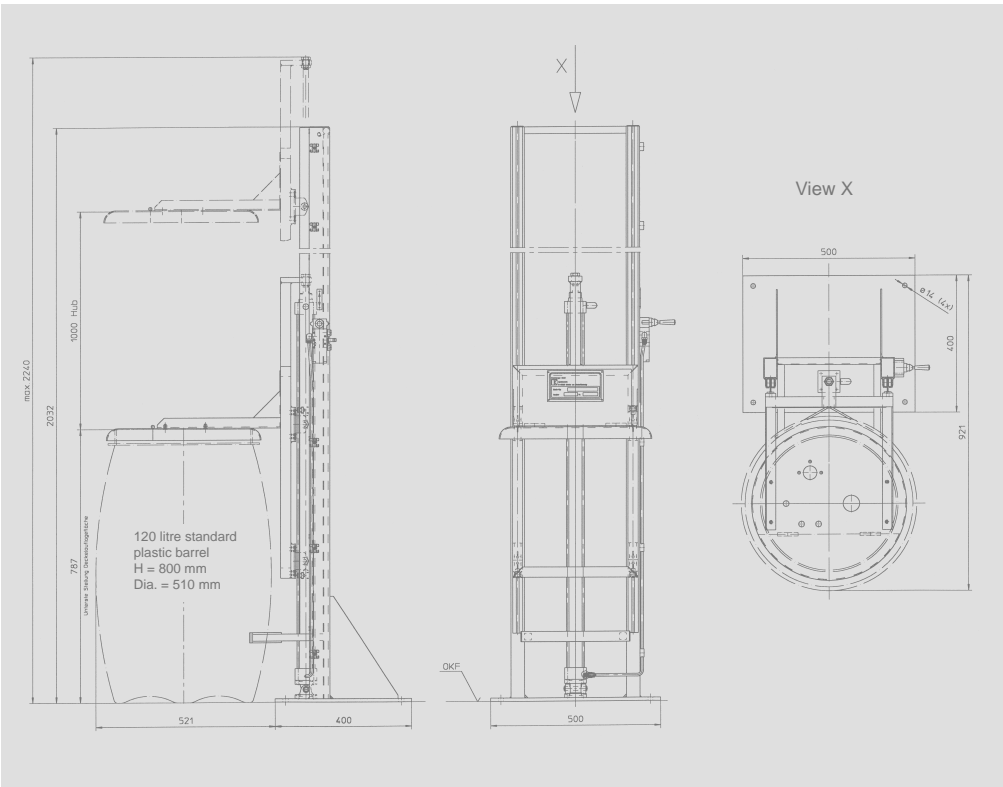
16.5 litre cup capacity
Order no. 080-1056



Pump lifting devices stationary

Krautzberger's stationary pump lifting devices are pneumatically driven. The units are suitable for holding Krautzberger diaphragm pumps, stirrers and filling level monitoring devices.

The lifting devices are available with different stroke heights and cover diameters and suitable for all standard container/drum sizes. The stationary pump lifting devices need to be anchored in the floor (exception: 030-4313).

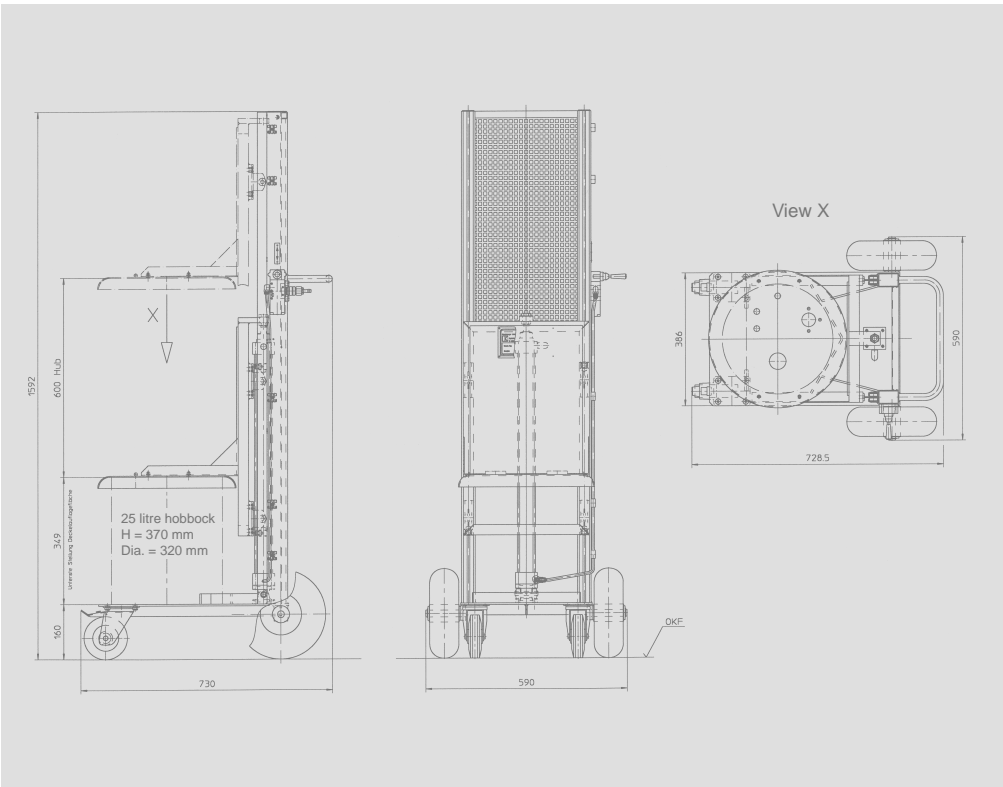


Lifting devices, stationary				
Cover dia. mm	650	450	400	400
Width, mm	650	500	500	940
Height, mm	2640	2230	1435	1100
Depth, mm	1050	930	800	570
Stroke (approx.), mm	1200	1000	600	600
Effective load (max.), kp	50	50	50	50
Required compressed air connection, bar	6-10	6-10	6-10	6-10
Article no.	090-1603	090-1602	090-1600	030-4313

**Pump lifting devices
moveable**

Krautzberger's moveable pump lifting devices are pneumatically driven. The units are suitable for holding Krautzberger diaphragm pumps, stirrers and filling level monitoring devices.

The lifting devices are fitted with two steerable and two rigid wheels and therefore permit highly flexible use in companies.



Lifting devices, moveable	
Cover dia. mm	400
Width, mm	580
Height, mm	1590
Depth, mm	700
Stroke (approx.), mm	600
Effective load (max.), kp	50
Required compressed air connection, bar	6-10
Article no.	090-1601



- ❶ MP 400 with pressure equalisation container, material filter and material pressure regulator
- ❷ MP 100
- ❸ MP 400
- ❹ MP 560 with mobile frame
- ❺ MP 560
- ❻ Mobile frame



Diaphragm pumps MP 100

The compressed air-driven Krautzberger diaphragm pumps are specifically tailored to requirements in the field of spraying technology. The compact and sturdy design permits universal use, and the large valve cross sections also allow use with highly viscous media.

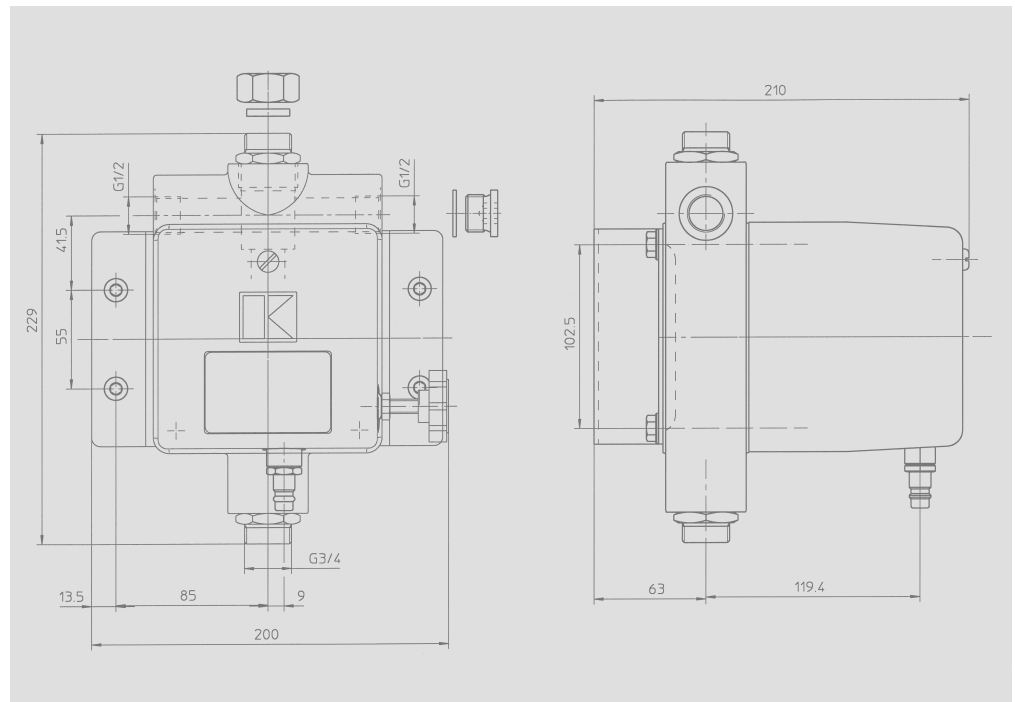
A mounted pressure equalisation container ensures smooth and low-pulsation operation. A material pressure regulator installed downstream (a suitable material filter is also recommended) permits precision setting of extremely small pressures.

The technical data are based on an air inlet pressure of 8 bar. The pumps of course also function perfectly at low pressures.

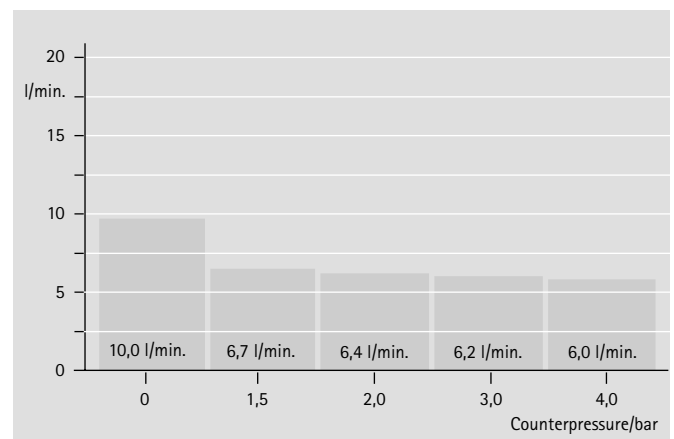
Krautzberger diaphragm pumps are also used where piston or centrifugal pumps are unsuitable – for example, for the pumping of dyes, paints, glues, dispersions, solvents, oils, glazing agents, enamels, wood preservatives, petroleum products, chocolate, sugar syrup, jam, ketchup etc.

The pump body is made of aluminium with hard-coated surface as standard. This makes the pump extremely hardwearing as well as resistant to media with a pH of between 3.0 and 8.0. The pumps are also suitable for use in the food industry.

The valves are available in either stainless steel or tungsten carbide (stainless steel), the diaphragms in PTFE or NBR. The



pumps are equipped for wall mounting as standard but are also available on request as a unit mounted on a trolley with storage space for the material drum or as a portable unit mounted on a cover (for mounting on the material feed container (e.g. euro hobbock). Suitable stirrers for mounting on this cover are also available.



[Delivery volume, measured using water with 100 pump strokes/minute (recommended max. output)]

Technical data

Pump body: aluminium, hard-coated
 Pressure equalisation tank: fibre glass-reinforced polyamide, with detachable cover and pressure gauge
 Delivery: 10 litres/min.
 Pressure: max. 6.5 bar
 Stroke rate: max. 120/min.
 Recommended stroke rate: 100/min.
 Air inlet pressure: min. 4 bar, max. 8 bar
 Air consumption at 8 bar: approx. 80 litres/min.
 Weight: 5.3 kg

Diaphragm pumps MP 400

The compressed air-driven Krautzberger diaphragm pumps are specifically tailored to requirements in the field of spraying technology. The compact and sturdy design permits universal use, and the large valve cross sections also allow use with highly viscous media.

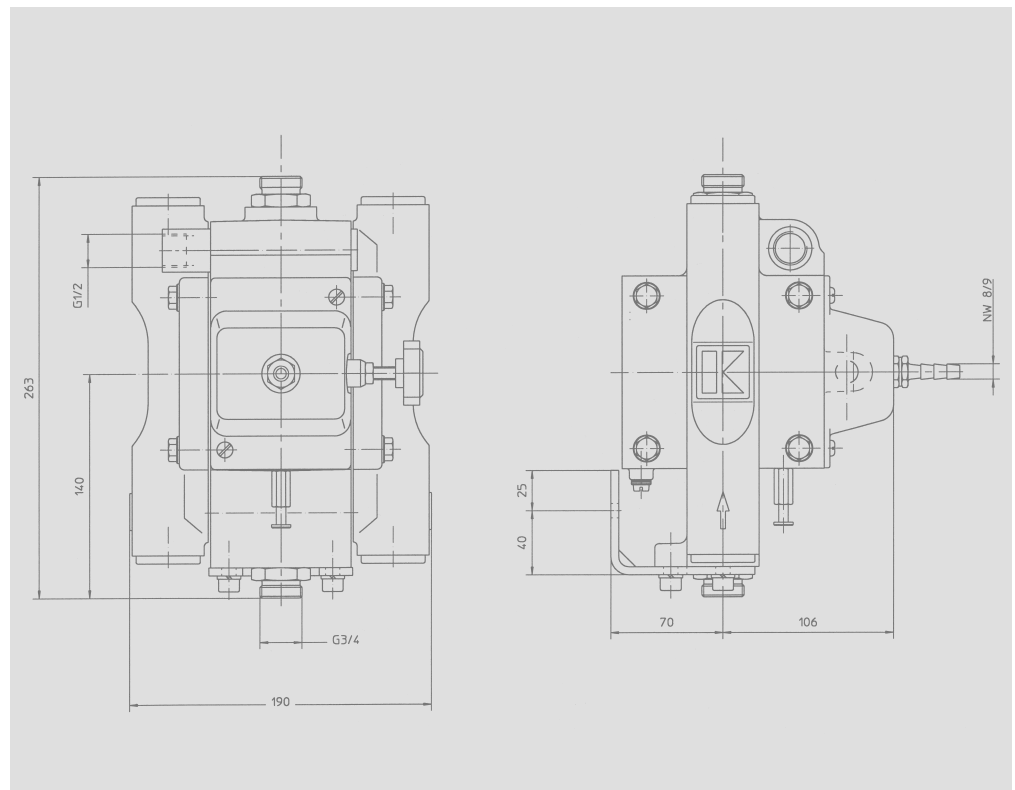
A mounted pressure equalisation container ensures smooth and low-pulsation operation. A material pressure regulator installed downstream (a suitable material filter is also recommended) permits precision setting of extremely small pressures.

The technical data are based on an air inlet pressure of 8 bar. The pumps of course also function perfectly at low pressures.

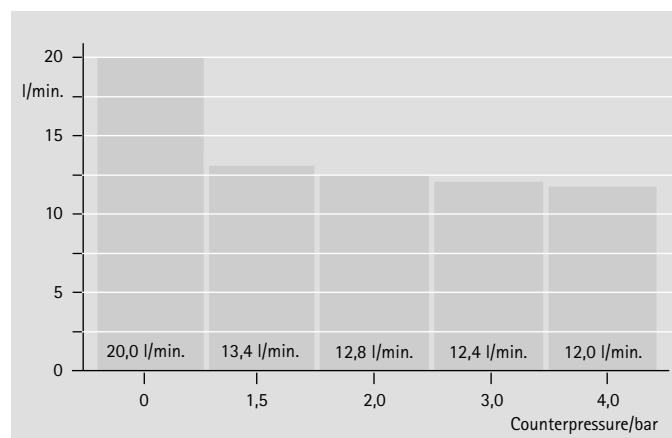
Krautzberger diaphragm pumps are also used where piston or centrifugal pumps are unsuitable – for example, for the pumping of dyes, paints, glues, dispersions, solvents, oils, glazing agents, enamels, wood preservatives, petroleum products, chocolate, sugar syrup, jam, ketchup etc.

The pump body is made of aluminium with hard-coated surface as standard. This makes the pump extremely hardwearing as well as resistant to media with a pH of between 3.0 and 8.0. The pumps are also suitable for use in the food industry.

The valves are available in either stainless steel or tungsten carbide (stainless steel), the dia-



phragms in PTFE or NBR. The pumps are equipped for wall mounting as standard but are also available on request as a unit mounted on a trolley with storage space for the material drum or as a portable unit mounted on a cover (for mounting on the material feed container (e.g. euro hobbock). Suitable stirrers for mounting on this cover are also available.



[Delivery volume, measured using water with 100 pump strokes/minute (recommended max. output)]

Technical data

Pump body: aluminium, hard-coated
 Pressure equalisation tank: fibre glass-reinforced polyamide, with detachable cover and pressure gauge
 Delivery: 20 litres/min.
 Pressure: max. 8 bar
 Stroke rate: max. 120/min.
 Recommended stroke rate: 100/min.
 Air inlet pressure: min. 4 bar, max. 8 bar
 Air consumption at 8 bar: approx. 160 litres/min.
 Weight: 7.5 kg

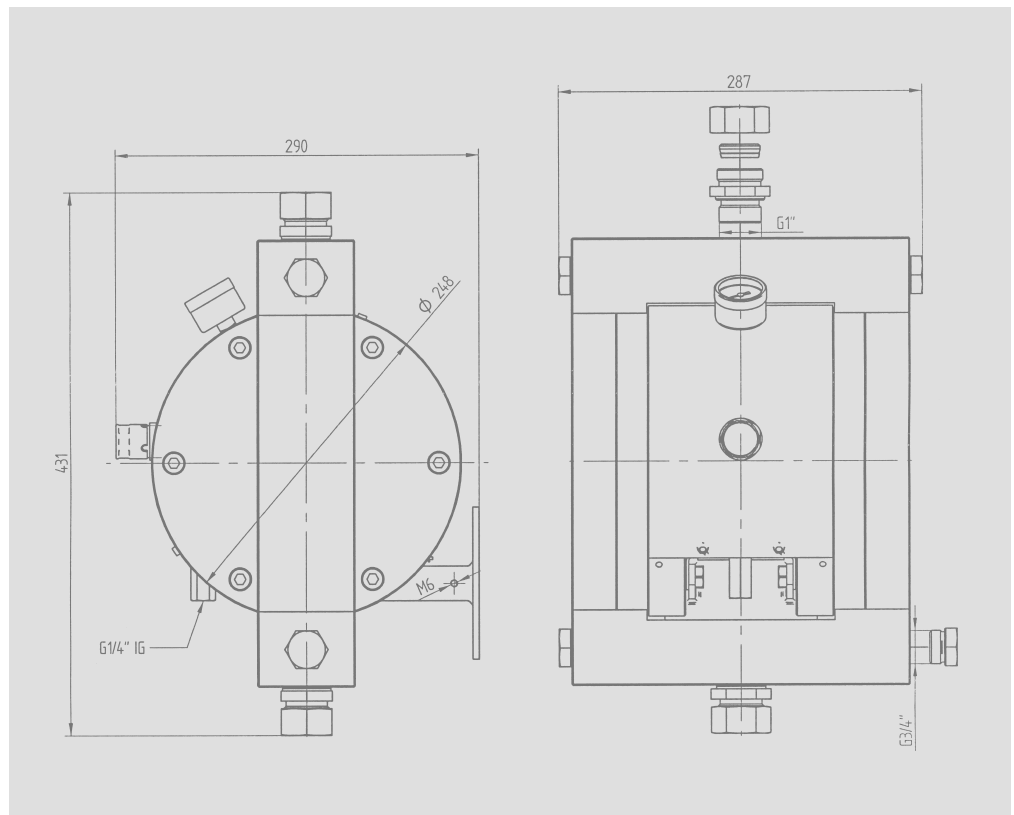
Membranpumpen MP 560

The compressed air-driven Krautzberger diaphragm pumps are specifically tailored to requirements in the field of spraying technology. The compact and sturdy design permits universal use, and the large valve cross sections also allow use with highly viscous media.

A mounted pressure equalisation container ensures smooth and low-pulsation operation. A material pressure regulator installed downstream (a suitable material filter is also recommended) permits precision setting of extremely small pressures.

The technical data are based on an air inlet pressure of 8 bar. The pumps of course also function perfectly at low pressures.

Krautzberger diaphragm pumps are also used where piston or centrifugal pumps cannot be used – for example, for the transport of paints, lacquers, glues, dispersions, solvents, oil, glazing agents, enamel, wood preservation agents, mineral oil products etc.



The pump body is made of stainless steel as standard. This makes it extremely resistant to wear.

The pumps are equipped for wall mounting as standard but can also (on request) be supplied on a trolley with a storage surface for the material container.

Technical data

Pump body:	Stainless steel
Pressure equalisation tank:	fibre glass-reinforced polyamide, with detachable cover and pressure gauge
Delivery:	55 litres/min.
Pressure:	max. 8 bar
Recommended stroke rate:	100/min.
Air inlet pressure:	min. 4 bar, max. 8 bar
Weight:	50 kg

Subject to change



1



2



3

- 1 Type 30-20
- 2 Type 9-20 Duo
- 3 Type 22-115
- 4 Type 30-50 Airless
- 5 Type 15-50 Airless with heater



4

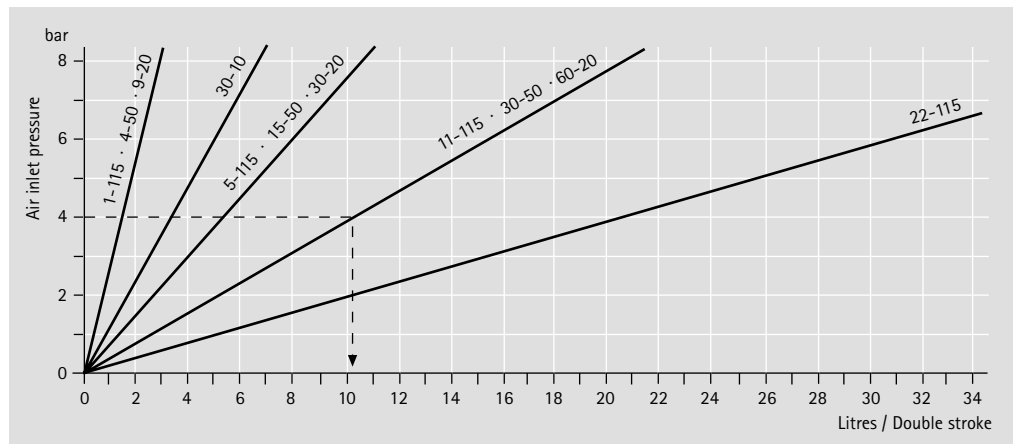


5

Piston pumps

The pneumatically driven Krautzberger piston pump sucks the coating substance from the material container through a suction hose or a suction pipe and subjects it to pressure. When it leaves the spray gun, the medium is atomised through a special nozzle by the high pressure. The hydraulic piston is a differential piston and moves up and down in the working cylinder of the hydraulic section.

During the upward stroke, the ball of the suction valve and the coating medium is sucked into the lower chamber of the working cylinder. At the same time, the ball of the pressure valve in the piston is pressed onto its seat and the medium displaced from the upper ring chamber of the working cylinder into the pressure line. During the downward stroke, the ball of the suction valve is pressed onto its seat and the ball of the pressure valve moves upward. The piston displaces half of the medium from the lower chamber of the working cylinder into the upper chamber and the other half into the pressure line. The piston rod of the air piston motor is connected to the pump piston and transmits the motion in a linear fashion. The piston motion is generated by the alternating feed of compressed air to the air motor piston and controlled by a four-way air valve. As long as compressed air is fed into the control section via the pressure reducing valve, the thrust piston motor continues to operate until the pump has built up a sufficient hydraulic pressure in the pressure line to counterbalance the thrust of the incoming compressed air. The pump then remains in quiescent position until the hydraulic pressure begins to fall as a result, for example, of operation of the spray gun. The pump then continues to pump



Example:

Pump type: 30 – 50

Air inlet pressure: 4 bar

Air consumption/Double stroke: 10.2 litres

Piston pumps

Type	Applications	Theoretical transmission ratios	Delivery volume per double stroke	Max. recommended double strokes per minute	Max. air inlet pressure in bar	Max. operating pressure in bar	max. recommended spraying rate l/min. ²⁾	max. delivery volume l/min. ¹⁾
30 – 10	Airless / Duo	30 : 1	20 ccm	50	8 bar	240 bar	1,0 l	2,0 l
9 – 20	ND Airless / Duo	9 : 1	40 ccm	50	8 bar	72 bar	2,0 l	4,0 l
30 – 20	Airless / Duo	30 : 1	40 ccm	50	8 bar	240 bar	2,0 l	4,0 l
60 – 20	Airless	60 : 1	40 ccm	50	8 bar	480 bar	2,0 l	4,0 l
4 – 50	Low-pressure Airless	4 : 1	100 ccm	50	8 bar	32 bar	5,0 l	10,0 l
15 – 50	Airless / Duo / Hot	15 : 1	100 ccm	50	8 bar	120 bar	5,0 l	10,0 l
30 – 50	Airless / Duo / Hot	30 : 1	100 ccm	50	8 bar	240 bar	5,0 l	10,0 l
Mordant	Low-pressure Airless	4 : 1	100 ccm	50	8 bar	32 bar	5,0 l	10,0 l
1 – 115	Material feed	1,5 : 1	230 ccm	50	6 bar	9 bar	11,5 l	23,0 l
5 – 115	Low-pressure Airless / Material feed	5 : 1	230 ccm	50	6 bar	30 bar	11,5 l	23,0 l
11 – 115	Airless / Duo / Hot	11 : 1	230 ccm	50	6 bar	66 bar	11,5 l	23,0 l
22 – 115	Airless / Duo / Hot	22 : 1	230 ccm	50	6 bar	132 bar	11,5 l	23,0 l

¹⁾ measured at 100 double strokes/minute ²⁾ measured at 50 double strokes/minute

and maintains the dynamic equilibrium between air pressure and hydraulic pressure. The selected nozzle size and the set spraying pressure determine the stroke rate (strokes per minute) and the air consumption and thus also the spraying capacity of the pump. All pump components in contact with the medium are made of high-grade stainless steel.





1



2



3



4

- ❶ Material pressure regulator
- ❷ Material pressure regulator with pressure pipe and pressure gauge
- ❸ Mini material pressure regulator
- ❹ Material pressure regulator with pressure pipe and pressure gauge

Regulators/valves

Material pressure regulators

Pressure regulators, manual

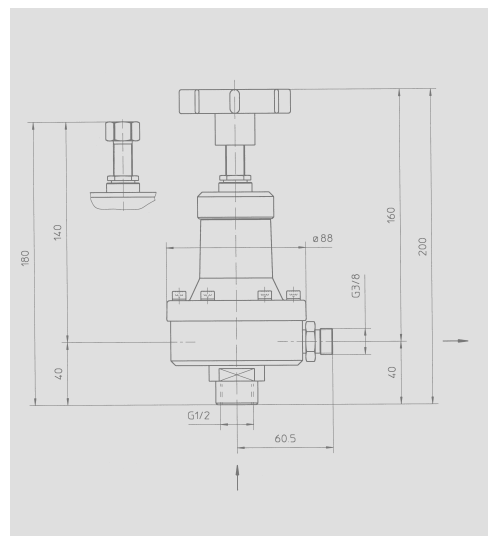
Regulation range up to max. 40 bar

Material pressure regulator, stainless steel without pressure gauge, without pressure tube

Weight: approx. 2.5 kg
Material inlet pressure: max. 50.0 bar
Operating temperature: max. 80 °C

Control range	Tungsten carbide valve	Stainless steel valve
0 - 2,5 bar	080-0911 ¹⁾	080-2206 ¹⁾
0 - 10,0 bar	080-0916 ¹⁾	080-2207 ¹⁾
0 - 20,0 bar	080-0912 ²⁾	080-2208 ²⁾
0 - 40,0 bar	080-0913 ²⁾	080-2204 ²⁾

¹⁾ with hand wheel ²⁾ with hex spindle
Mounting orientation: vertical or horizontal

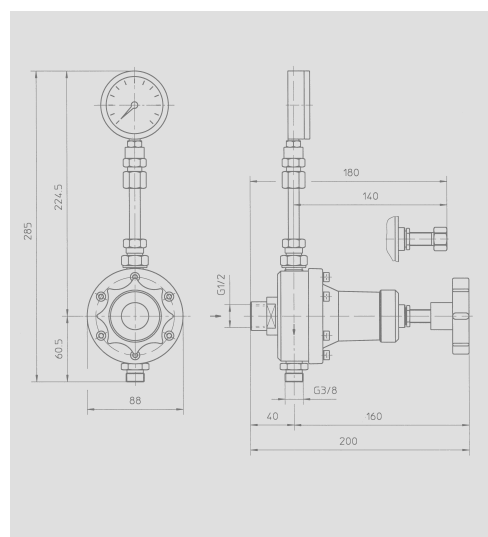


Material pressure regulator, stainless steel with pressure gauge and pressure tube

Weight: approx. 2.6 kg
Material inlet pressure: max. 50.0 bar
Operating temperature: max. 80 °C

Control range	Pressure gauge	Tungsten carbide valve	Stainless steel valve
0 - 2,5 bar	0 - 1,0 bar	090-0305 ¹⁾	090-1971 ¹⁾
0 - 2,5 bar	0 - 1,6 bar	090-2631 ¹⁾	090-2637 ¹⁾
0 - 2,5 bar	0 - 2,5 bar	090-2632 ¹⁾	090-2638 ¹⁾
0 - 2,5 bar	0 - 4,0 bar	090-2633 ¹⁾	090-2639 ¹⁾
0 - 10,0 bar	0 - 4,0 bar	090-0306 ¹⁾	090-1972 ¹⁾
0 - 10,0 bar	0 - 6,0 bar	090-2634 ¹⁾	090-2640 ¹⁾
0 - 10,0 bar	0 - 10,0 bar	090-2635 ¹⁾	090-2641 ¹⁾
0 - 10,0 bar	0 - 16,0 bar	090-2636 ¹⁾	090-2642 ¹⁾
0 - 20,0 bar	0 - 25,0 bar	090-0307 ²⁾	090-1973 ²⁾
0 - 40,0 bar	0 - 60,0 bar	090-0311 ²⁾	090-1974 ²⁾

¹⁾ with hand wheel ²⁾ with hex spindle
Mounting orientation: horizontal

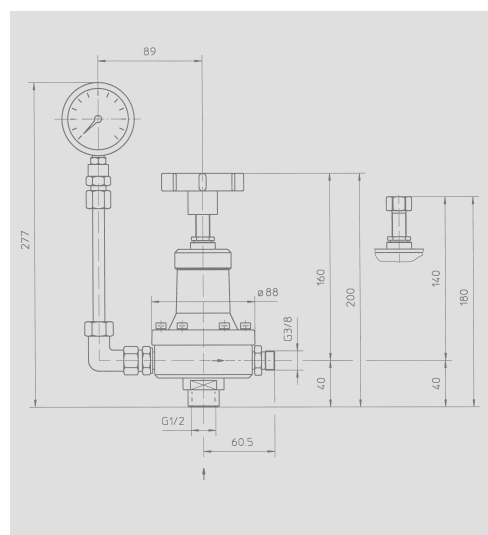


Material pressure regulator, stainless steel with pressure gauge and pressure tube

Weight: approx. 2.6 kg
Material inlet pressure: max. 50.0 bar
Operating temperature: max. 80 °C

Control range	Pressure gauge	Tungsten carbide valve	Stainless steel valve
0 - 2,5 bar	0 - 1,0 bar	090-2598 ¹⁾	090-2605 ¹⁾
0 - 2,5 bar	0 - 1,6 bar	090-2643 ¹⁾	090-2649 ¹⁾
0 - 2,5 bar	0 - 2,5 bar	090-2644 ¹⁾	090-2650 ¹⁾
0 - 2,5 bar	0 - 4,0 bar	090-2645 ¹⁾	090-2651 ¹⁾
0 - 10,0 bar	0 - 4,0 bar	090-2599 ¹⁾	090-2606 ¹⁾
0 - 10,0 bar	0 - 6,0 bar	090-2646 ¹⁾	090-2652 ¹⁾
0 - 10,0 bar	0 - 10,0 bar	090-2647 ¹⁾	090-2653 ¹⁾
0 - 10,0 bar	0 - 16,0 bar	090-2648 ¹⁾	090-2654 ¹⁾
0 - 20,0 bar	0 - 25,0 bar	090-2600 ²⁾	090-2607 ²⁾
0 - 40,0 bar	0 - 60,0 bar	090-2601 ²⁾	090-2608 ²⁾

¹⁾ with hand wheel ²⁾ with hex spindle
Mounting orientation: vertical





Material pressure regulators

Pressure regulators,
manual

**Regulation range
up to max. 40 bar**

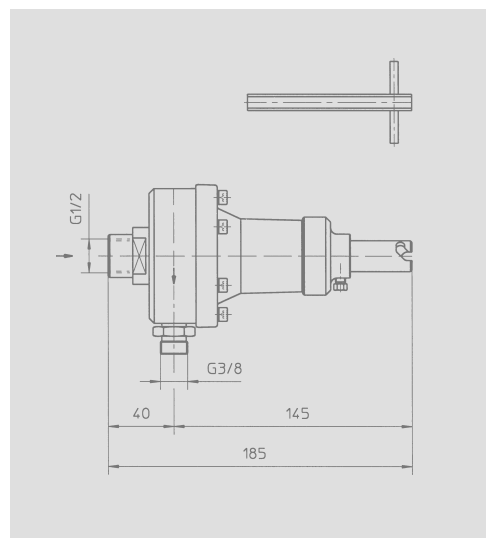
Material pressure regulator, stainless steel with fast-purge device.

Weight: approx. 2.6 kg
Material inlet pressure: max. 50.0 bar
Operating temperature: max. 80°C

Control range	Pressure gauge	Tungsten carbide valve	Stainless steel valve
0 - 2,5 bar	without	080-0915 ¹⁾	080-2209 ¹⁾
0 - 10,0 bar	without	080-0917 ¹⁾	080-2210 ¹⁾

¹⁾ Mounting orientation: horizontal

The fast-purge device is activated by turning a special socket key in the bayonet of the end cap.



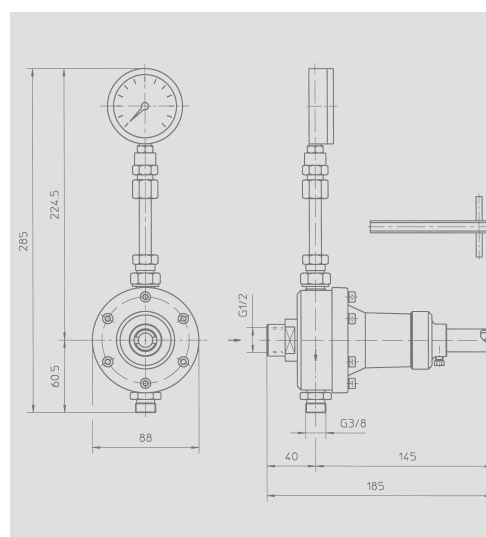
Material pressure regulator,
stainless steel with pressure pipe,
pressure gauge and fast-purge
device

Weight: approx. 2.6 kg
Material inlet pressure: max. 50.0 bar
Operating temperature: max. 80°C

Control range	Pressure gauge	Tungsten carbide valve	Stainless steel valve
0 - 2,5 bar	0 - 4,0 bar	090-0256 ¹⁾	090-1975 ¹⁾
0 - 10,5 bar	0 - 16,0 bar	090-0257 ¹⁾	090-1976 ¹⁾

¹⁾ Mounting orientation: horizontal

The fast-purge device is activated by turning a special socket key in the bayonet of the end cap.



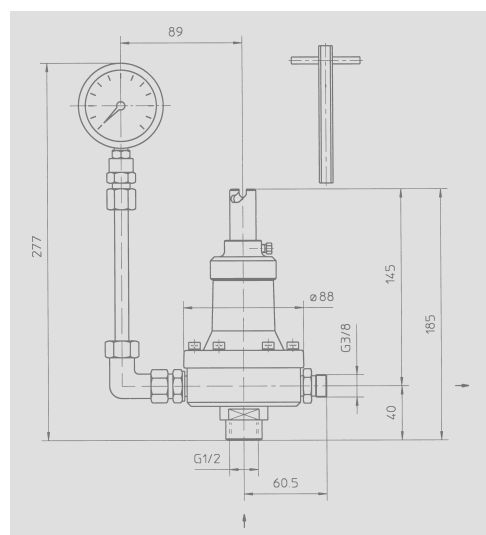
Material pressure regulator,
stainless steel with pressure pipe,
pressure gauge and fast-purge
device

Weight: approx. 2.6 kg
Material inlet pressure: max. 50.0 bar
Operating temperature: max. 80°C

Control range	Pressure gauge	Tungsten carbide valve	Stainless steel valve
0 - 2,5 bar	0 - 4,0 bar	090-2603 ²⁾	090-2610 ²⁾
0 - 10,5 bar	0 - 16,0 bar	090-2604 ²⁾	090-2611 ²⁾

2) Mounting orientation: vertical

The fast-purge device is activated by turning a special socket key in the bayonet of the end cap.



Regulators/valves

Material pressure regulators

Pressure regulators, manual

Mini material pressure regulator Range up to max. 7 bar

Mini material pressure regulator, stainless steel, manually adjustable.

Regulation range: 0 – 7.0 bar
Weight: approx. 480 g
Material inlet pressure: max. 15.0 bar
Operating temperature: max. 80 °C

Version	Circulation	Order no.
Tungsten carbide valve	no	090-3457 ¹⁾
Stainless steel valve	no	090-3458 ¹⁾
Tungsten carbide valve	yes	090-3459 ¹⁾
Stainless steel valve	yes	090-3460 ¹⁾
Tungsten carbide valve	no	090-3461 ²⁾
Stainless steel valve	no	090-3462 ²⁾
Tungsten carbide valve	yes	090-3463 ²⁾
Stainless steel valve	yes	090-3464 ²⁾

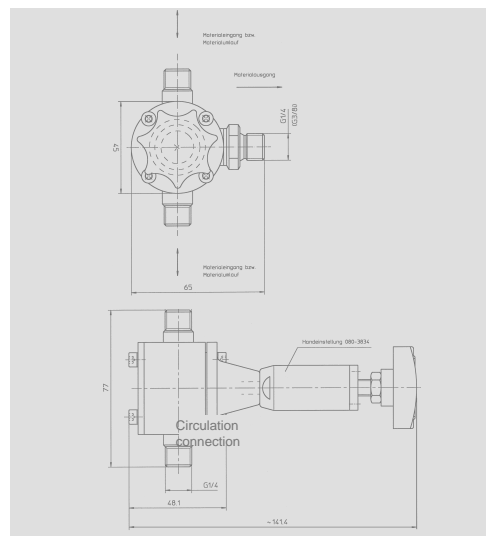
¹⁾ Material outlet with union nut G3/8"

²⁾ Material outlet: G1/4" AG

Material inlet: G1/4" AG

Diaphragms: polyamide

Mounting orientation: any



Mini material pressure regulator, stainless steel, manually adjustable, with double diaphragm and leakage borehole.

Regulation range: 0 – 7.0 bar
Weight: approx. 520 g
Material inlet pressure: max. 15.0 bar
Operating temperature: max. 80 °C

Version	Circulation	Order no.
Tungsten carbide valve	no	090-3465 ¹⁾
Stainless steel valve	no	090-3466 ¹⁾
Tungsten carbide valve	yes	090-3467 ¹⁾
Stainless steel valve	yes	090-3468 ¹⁾
Tungsten carbide valve	no	090-3469 ²⁾
Stainless steel valve	no	090-3470 ²⁾
Tungsten carbide valve	yes	090-3471 ²⁾
Stainless steel valve	yes	090-3472 ²⁾

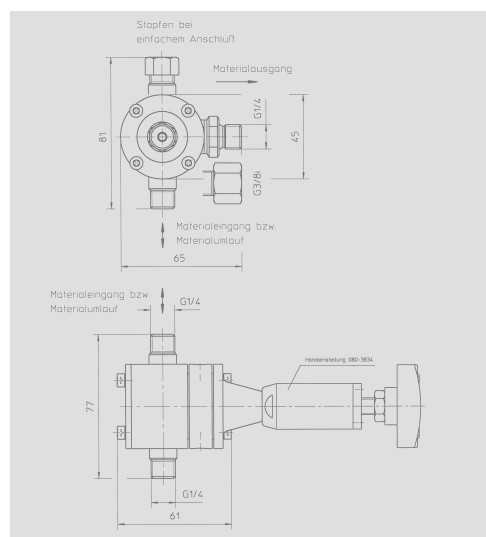
¹⁾ Material outlet with union nut G3/8"

²⁾ Material outlet: G1/4" AG

Material inlet: G1/4" AG

Diaphragms: polyamide

Mounting orientation: any



Mini material pressure regulator, manually adjustable, without pressure gauge, for direct mounting on spray guns

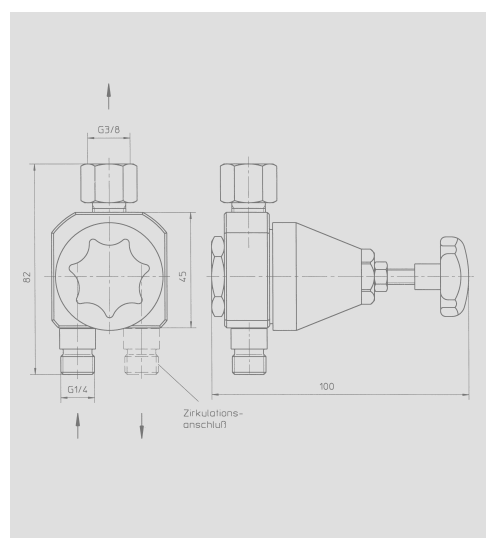
Weight: approx. 260 g
Material inlet pressure: max. 15.0 bar
Operating temperature: max. 80 °C

Control range	Circulation	Order no.
0 – 7,0 bar	no	090-0833
0 – 7,0 bar	yes	090-0834

Housing: hard-coated aluminium

Valve: tungsten carbide

Diaphragms: polyamide





- ❶ Material pressure regulator with pressure pipe and pressure gauge
- ❷ Material pressure regulator, transformation ratio: 4 : 1
- ❸ Mini material pressure regulator with circulation
- ❹ Mini material pressure regulator, stainless steel
- ❺ Mini material pressure regulator with double diaphragm and leakage borehole



Regulators/valves

Material pressure regulators

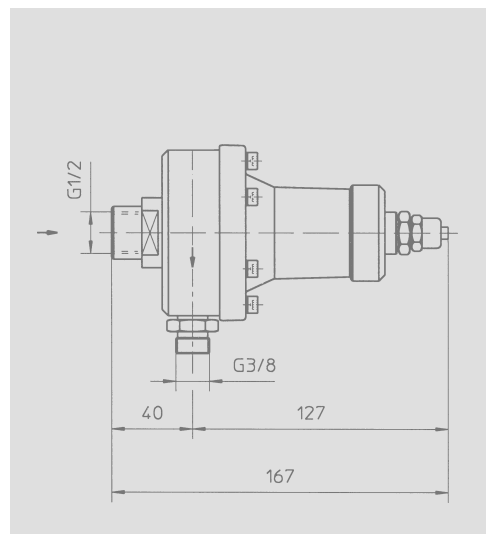
Pressure regulators, pneumatic

Regulation range up to max. 24 bar

Material pressure regulator, stainless steel, pneumatically controllable, transformation ratio: 1:1

Weight: approx. 2.6 kg
Material inlet pressure: max. 50.0 bar
Operating temperature: max. 80 °C

Control range	Pressure gauge	Tungsten carbide valve	Stainless steel valve
0 - 10,0 bar	without	080-0914	080-2205



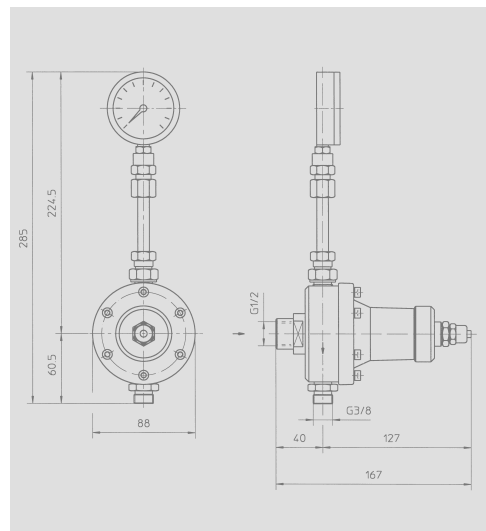
Material pressure regulator, pneumatically controllable, with pressure pipe and pressure gauge.

Weight: approx. 3.2 kg
Material inlet pressure: max. 30.0 bar
Operating temperature: max. 80 °C

Control range	Pressure gauge	Tungsten carbide valve	Stainless steel valve
0 - 10,0 bar	0 - 16,0 bar	090-0313	090-1970 ¹⁾
0 - 10,0 bar	0 - 16,0 bar	090-2606	090-2609 ²⁾

¹⁾ Mounting orientation: horizontal

²⁾ Mounting orientation: vertical

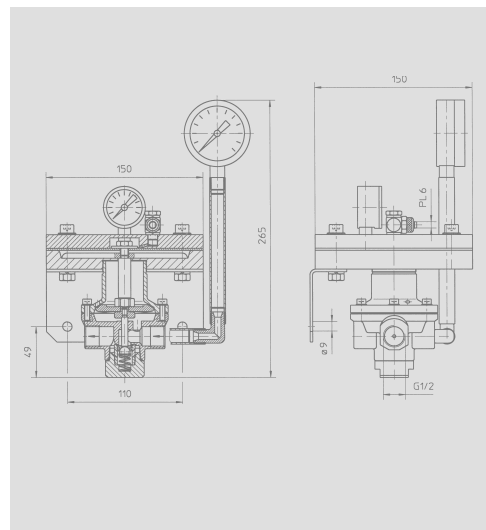


Material pressure regulator, pneumatically controllable, with pressure pipe and pressure gauge.

Weight: approx. 3.2 kg
Material inlet pressure: max. 30.0 bar
Operating temperature: max. 80 °C

Control range	Pressure gauge	Order no.
0 - 24,0 bar	0 - 25,0 bar	080-0894

Parts in contact with medium are chemically nickel-plated
Diaphragms: PTFE
Transformation ratio: 4:1
Mounting orientation: vertical



Mini material pressure regulator, stainless steel, pneumatically controllable, transformation ratio: 1:1

Regulation range: 0 – 7.0 bar
Weight: approx. 480 g
Material inlet pressure: max. 15.0 bar
Operating temperature: max. 80 °C

Version	Circulation	Order no.
Tungsten carbide valve	no	090-0180 ¹⁾
Stainless steel valve	no	090-1654 ¹⁾
Tungsten carbide valve	yes	090-0179 ¹⁾
Stainless steel valve	yes	090-1655 ¹⁾
Tungsten carbide valve	no	090-0178 ²⁾
Stainless steel valve	no	090-1656 ²⁾
Tungsten carbide valve	yes	090-0164 ²⁾
Stainless steel valve	yes	090-1657 ²⁾

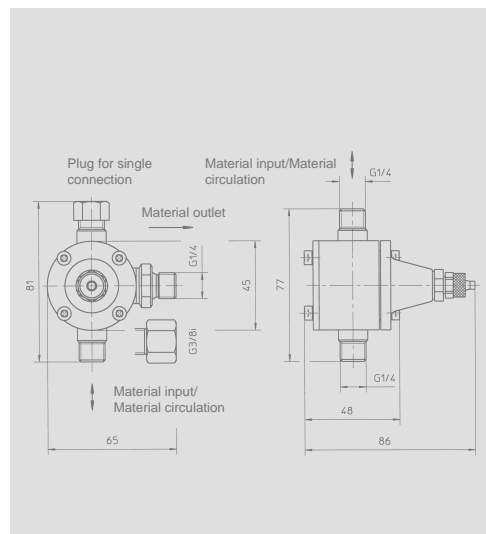
¹⁾ Material outlet with union nut G3/8"

²⁾ Material outlet: G1/4" AG

Material inlet: G1/4" AG

Diaphragms: polyamide

Mounting orientation: any



Mini material pressure regulator, stainless steel, pneumatically controllable, with double diaphragm and leakage borehole, transformation ratio: 1:1

Regulation range: 0 – 7.0 bar
Weight: approx. 520 g
Material inlet pressure: max. 15.0 bar
Operating temperature: max. 80 °C

Version	Circulation	Order no.
Tungsten carbide valve	no	090-1505 ¹⁾
Stainless steel valve	no	090-1658 ¹⁾
Tungsten carbide valve	yes	090-0867 ¹⁾
Stainless steel valve	yes	090-1659 ¹⁾
Tungsten carbide valve	no	090-1506 ²⁾
Stainless steel valve	no	090-1660 ²⁾
Tungsten carbide valve	yes	090-1585 ²⁾
Stainless steel valve	yes	090-1661 ²⁾

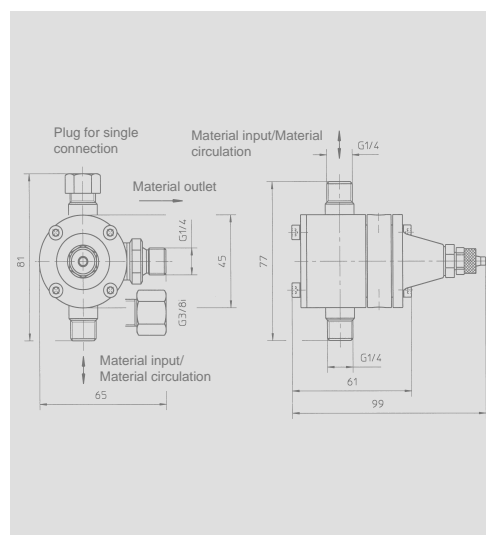
¹⁾ Material outlet with union nut G3/8"

²⁾ Material outlet: G1/4" AG

Material inlet: G1/4" AG

Diaphragms: polyamide

Mounting orientation: any



Mini material pressure regulator, pneumatically controllable, without pressure gauge, for direct mounting on spray guns, transformation ratio: 1:1

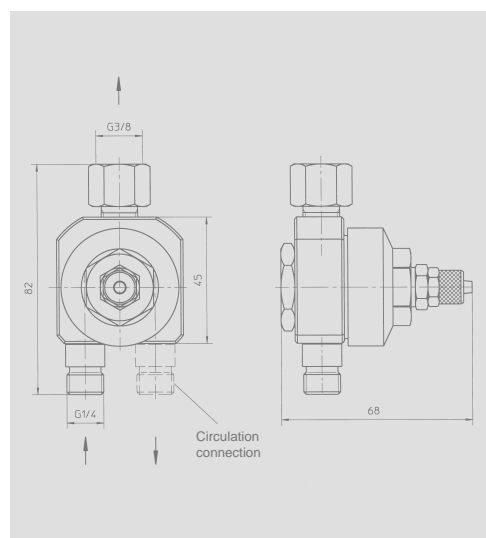
Weight: approx. 240 g
Material inlet pressure: max. 15.0 bar
Operating temperature: max. 80 °C

Control range	Circulation	Order no.
0 – 7,0 bar	no	090-0831
0 – 7,0 bar	yes	090-0832

Housing: aluminium, hard-coated

Valve: tungsten carbide

Diaphragms: polyamide



Regulators/valves

Material pressure
regulators

Back pressure regulators,
manual



1

- ❶ Material back pressure regulator
- ❷ Material back pressure regulator with upstream pressure gauge unit
- ❸ Material back pressure regulator with diaphragm



3



2

Material back pressure regulator for maintaining constant pressures or as overpressure monitors in line systems for liquids, without pressure gauge and pressure pipe

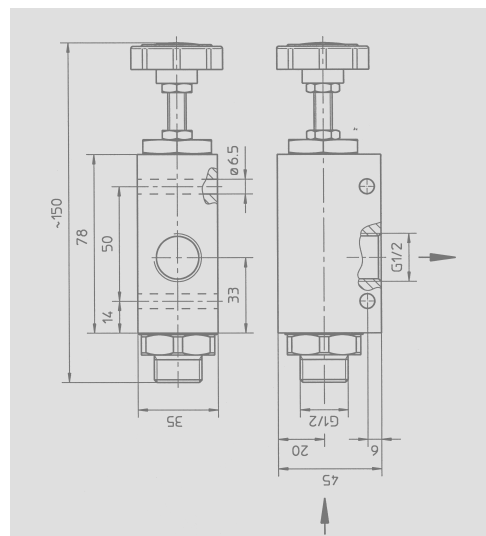
Regulation range: 0 – 6.0 bar
Weight: approx. 980 g
Operating temperature: max. 80 °C

Version	Order no.
Stainless steel valve	080-1554 ¹⁾
Tungsten carbide valve	080-1555 ¹⁾
Stainless steel valve	080-0903 ²⁾
Tungsten carbide valve	080-0904 ²⁾

¹⁾ Housing and parts in contact with medium are made of stainless steel.

²⁾ Housing and parts in contact with medium are chemically nickel-plated.

Mounting orientation: vertical or horizontal.
Use tungsten carbide valve for abrasive media.



Material back pressure regulator for maintaining constant pressures or as overpressure monitors in line systems for liquids, with upstream pressure gauge unit

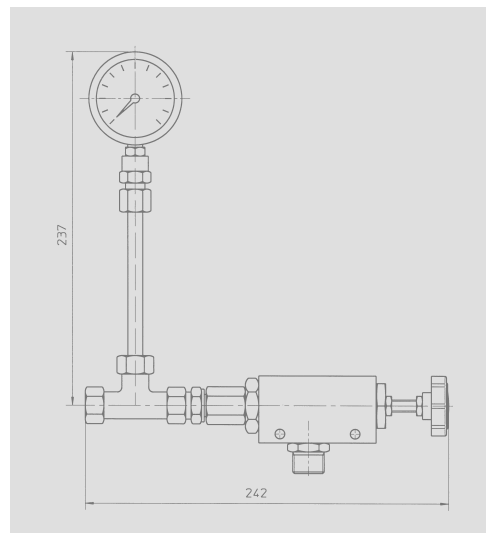
Regulation range: 0 – 6.0 bar
Weight: approx. 1.2 kg
Operating temperature: max. 80 °C

Version	Order no.
Stainless steel valve	090-2752 ¹⁾
Tungsten carbide valve	090-2753 ¹⁾
Stainless steel valve	090-2754 ²⁾
Tungsten carbide valve	090-2755 ²⁾

¹⁾ Housing and parts in contact with medium are made of stainless steel.

²⁾ Housing and parts in contact with medium are chemically nickel-plated.

Mounting orientation: vertical or horizontal.
Use tungsten carbide valve for abrasive media.



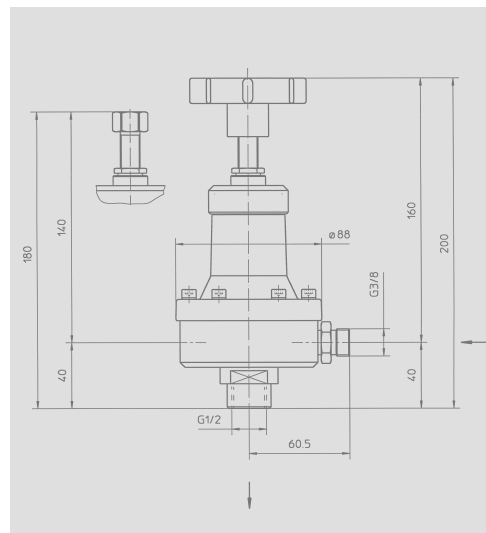
Material back pressure regulator, stainless steel, without pressure pipe and pressure gauge

Weight: approx. 2.5 kg
Operating temperature: max. 80 °C

Control range	Tungsten carbide valve	Stainless steel valve
0 – 2,5 bar	080-2726	080-2761 ¹⁾
0 – 10,0 bar	080-2759	080-2762 ¹⁾
0 – 20,0 bar	080-2760	080-2763 ²⁾

¹⁾ With hand wheel

²⁾ With hex spindle





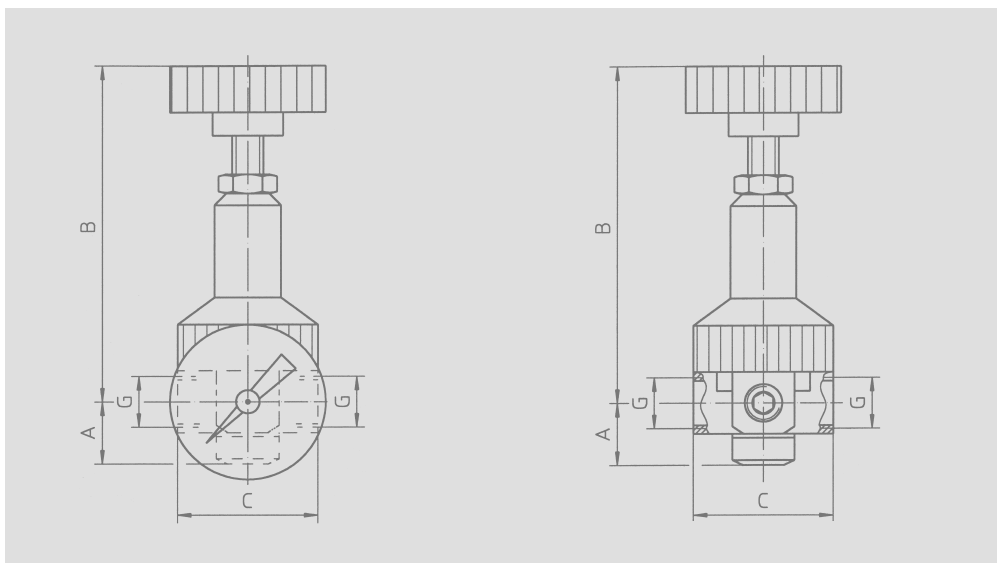
Regulation range: 0 to 7 bar

Compressed air regulator, reverse controllable, with automatic vent, admission pressure-independent.

Operating temperature: 0 °C to 83 °C

For extraction pressure: 0 to 7 bar

Admission pressure: max. 20 bar



Size	Connection	Dimensions					Control range	Inlet pressure	Fasten. bracket	For control panel	without press. gauge	with press. gauge
		A	B	C	D	E						
BA1	G 1/8"	16	90	36	-	-	0 - 7 bar	max. 20 bar	with	-	080-3433	080-3434
BA1	G 1/8"	16	90	36	-	-	0 - 7 bar	max. 20 bar	with	yes	030-4073	090-3449
BA1	G 1/4"	16	90	36	-	-	0 - 7 bar	max. 20 bar	with	-	080-0270	080-2020
BA1	G 1/4"	16	90	36	-	-	0 - 7 bar	max. 20 bar	with	yes	-	090-0293

Regulation range:

0 to 0.8 bar / 0 to 2.5 bar

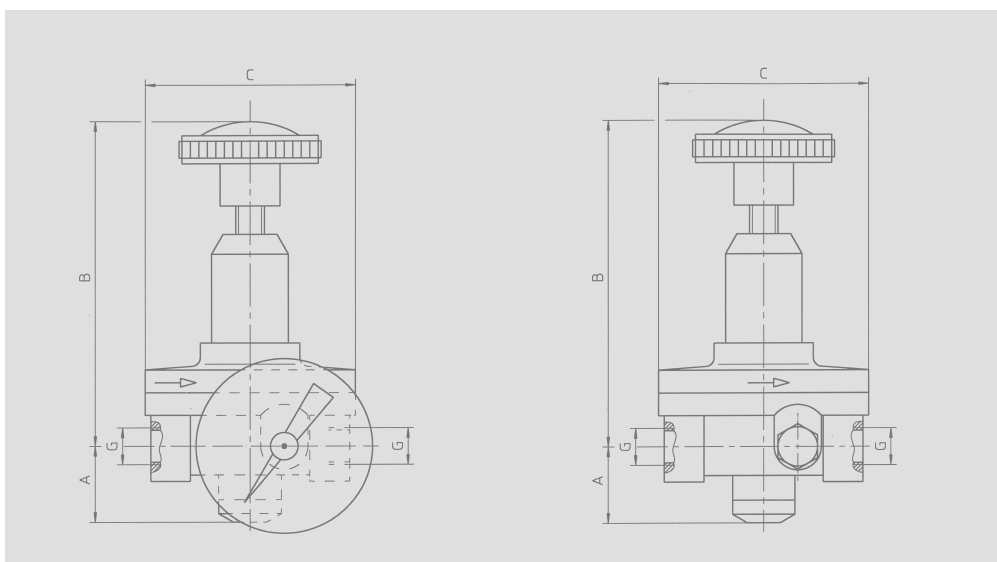
Compressed air regulator, reverse controllable, with automatic vent, admission pressure-independent.

Operating temperature: 0 °C to 80 °C

For extraction pressure: 0 to 0.8 bar /

0 to 2.5 bar

Admission pressure: max. 20 bar



Size	Connection	Dimensions					Control range	Inlet pressure	Fasten. bracket	For control panel	without press. gauge	with press. gauge
		A	B	C	D	E						
BF1	G 1/4"	27	115	74	-	-	0 - 0.8 bar	max 20 bar	-	yes	080-1616	-
BF1	G 1/4"	27	115	74	-	-	0 - 2.5 bar	max 20 bar	-	-	090-0277	080-1140
BF1	G 1/4"	27	115	74	-	-	0 - 2.5 bar	max 20 bar	-	yes	090-0274	090-0289

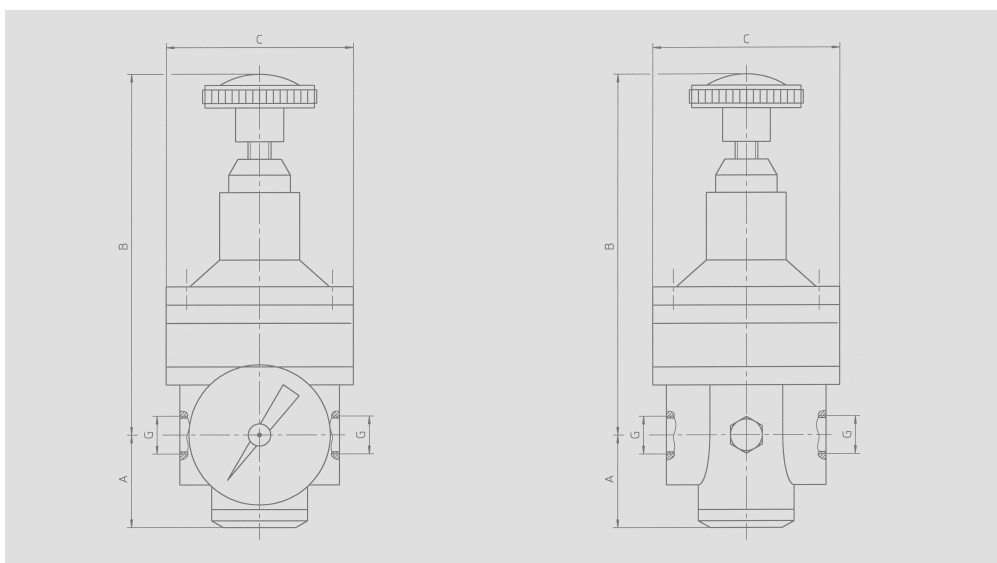
Regulation range:
0.05 to 2 bar / 0.05 to 4 bar /
0.05 to 7 bar

Precision compressed air regulator,
reverse controllable, with auto-
matic vent, admission pressure-
independent.

Operating temperature: 0 °C to 60 °C
For extraction pressure: 0.05 to 2 bar /
0.05 to 4 bar /
0.05 to 7 bar

Admission pressure: max. 16 bar

Manometer connection: G1/8"



Size	Connection	Dimensions					Control range	Inlet pressure	Fastening bracket	For control panel	without press. gauge	with press. gauge
		A	B	C	D	E						
BC1	G 1/4"	17	102	58	-	-	0.05 - 2.0 bar	max. 16 bar	-	-	030-4013	090-3443
BC1	G 1/4"	17	102	58	-	-	0.05 - 4.0 bar	max. 16 bar	-	-	030-4012	090-3444
BC1	G 1/4"	17	102	58	-	-	0.05 - 7.0 bar	max. 16 bar	-	yes	030-4070	090-3445

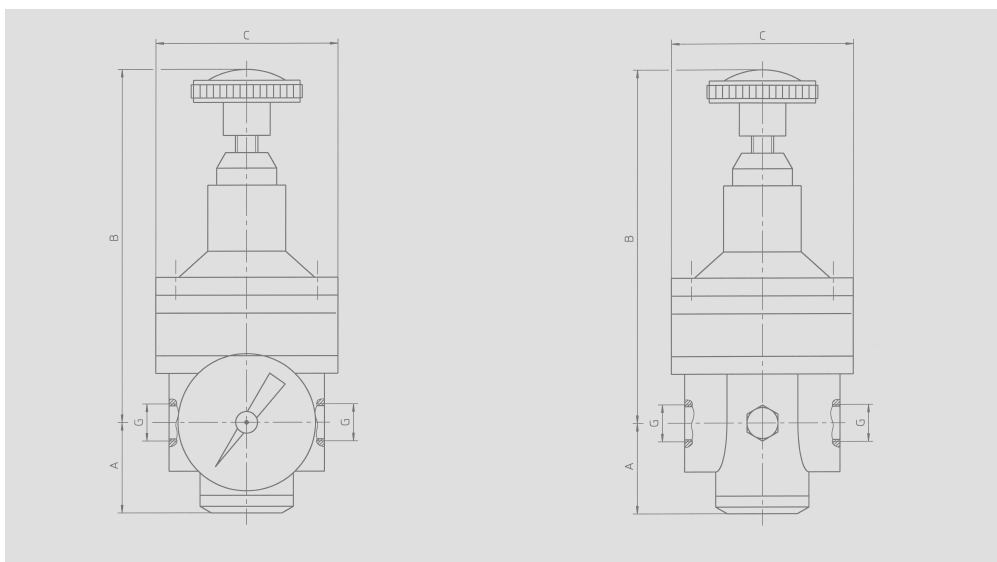
Regulation range:
0.05 to 2 bar / 0.05 to 7 bar

Precision compressed air
regulator, reverse controllable,
with automatic vent, admission
pressure-independent.

Operating temperature: 0 °C to 60 °C
For extraction pressure: 0.05 to 2 bar
0.05 to 7 bar

Admission pressure: max. 16 bar

Manometer connection: G1/4"

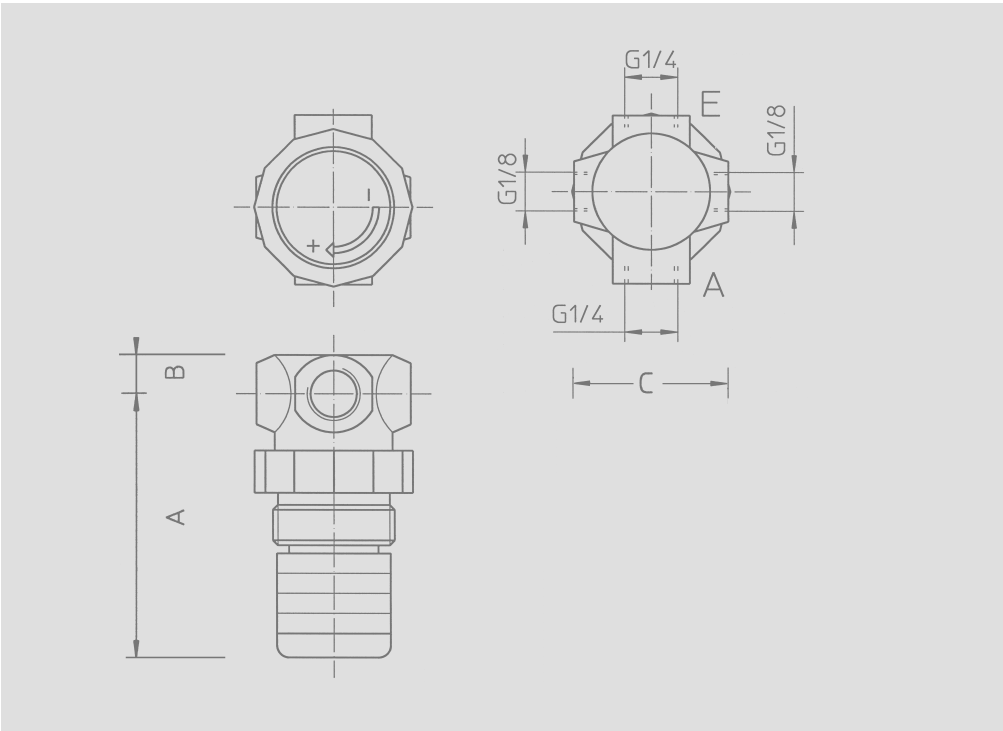


Size	Connection	Dimensions					Control range	Inlet pressure	Fasten. bracket	For control panel	without press. gauge	with press. gauge
		A	B	C	D	E						
BC2	G 3/8"	41	159	82	-	-	0.05 - 2.0 bar	max. 16 bar	-	yes	030-4071	090-3446
BC2	G 3/8"	41	159	82	-	-	0.05 - 7.0 bar	max. 16 bar	-	yes	030-4580	090-3448

**Regulation range:
0.3 to 7.0 bar**

Compressed air regulator, reverse
controllable, with automatic
vent, admission pressure-inde-
pendent.

Operating temperature: 0 °C to 80 °C
For extraction pressure: 0.3 to 3.5 bar
0.3 to 7.0 bar
Admission pressure: max. 20 bar



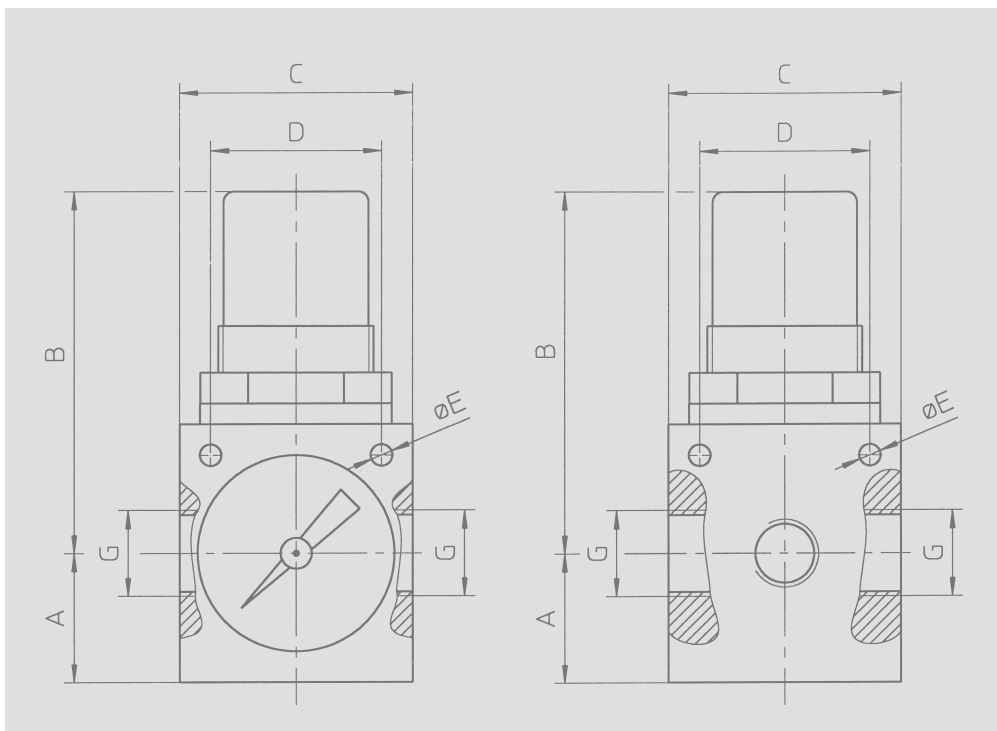
Size	Connection	Dimensions					Control range	Inlet pressure	without press. gauge
		A	B	C	D	E			
BN1	G 1/4" IG	27	4	17	-	-	0.3 - 7.0 bar	max. 20 bar	030-2021
BN1	G 1/4" IG"	27	4	17	-	-	0.3 - 3.5 bar	max. 20 bar	090-0278

Regulation range: 0.5 to 10 bar

Compressed air regulator, reverse controllable, with automatic vent, admission pressure-independent.

The unit may only be used with filtered air; otherwise there is a risk of malfunction. Where necessary, an air filter must be installed upstream.

Operating temperature: 0 °C to 50 °C
For extraction pressure: 0.5 to 10 bar
Inlet pressure: max. 14 bar



Size	Connection	Dimensions					Control range	Inlet pressure	Fasten. bracket	For control panel	without press. gauge	with press. gauge
		A	B	C	D	E						
BG1	G 1/4"	20.5	64	40	-	-	0.5 - 10 bar	max. 14 bar	+	+	030-3989	090-3431
BG2	G 1/4"	25	70	53	41	4,2	0.5 - 10 bar	max. 14 bar	+	+	090-2440	090-2441
BG2	G 3/8"	25	70	45	41	4,2	0.5 - 10 bar	max. 14 bar	+	-	090-0282	090-1959
BG4	G 1/2"	37	93	73	58	6	0.5 - 10 bar	max. 14 bar	+	-	080-3429	030-1311
BG4	G 3/4"	37	93	73	58	6	0.5 - 10 bar	max. 14 bar	+	-	030-4031	090-3432
BG4	G 1"	37	93	124	58	6	0.5 - 10 bar	max. 14 bar	+	-	030-4032	090-3433

**Regulation range: 0.5 to 10 bar**

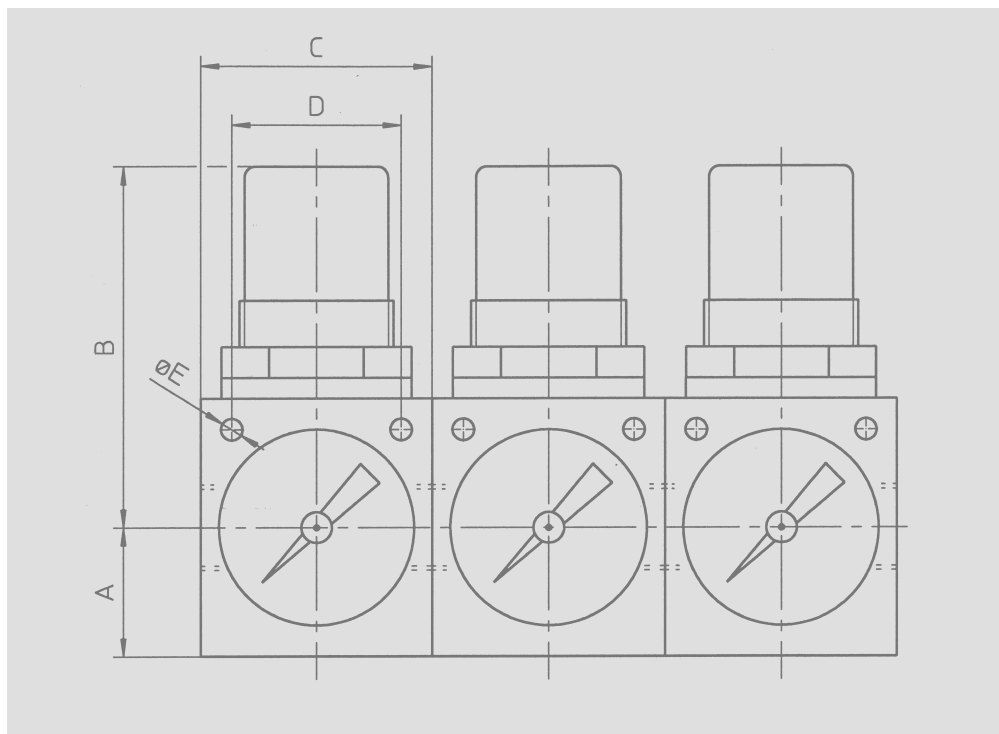
Compressed air regulator suitable for modular mounting in series.

The air regulators are mounted in series with a common inlet. Each regulator can be independently controlled for different pressures. The regulators are reverse controllable with automatic vents, regulated outlet connections are at the front and back with thread connectors.

When these units are mounted in series it is possible to have, for example, the first regulator set at 4 Bar, the second at 6 Bar and the third at 7.5 Bar etc. The regulated air outlets can be from either the back or front or any combination of these.

Art. no. is for one regulator only!

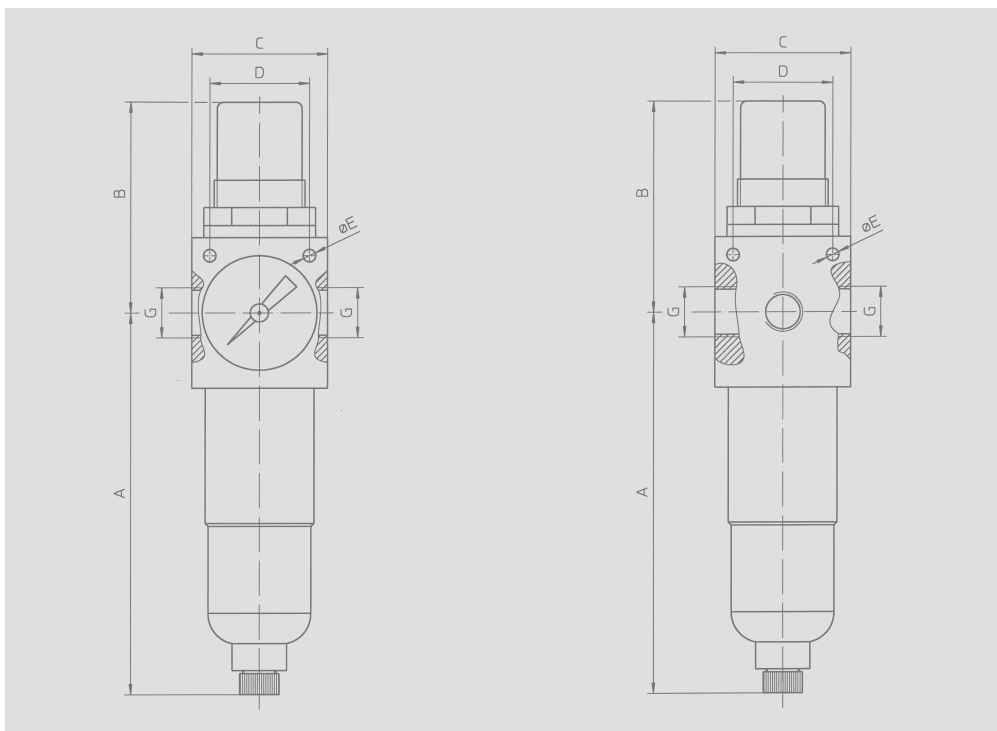
Operating temperature: 0°C to 50°C
For extraction: 0.5 to 10 bar



Size	Connection	Dimensions					Control range	Inlet pressure	Fastening bracket	For control panel	without press. gauge	with press. gauge
		A	B	C	D	E						
BG2	G 1/4"	25	70	45	41	4.2	0.5 - 10 bar	max. 14 bar	+	-	030-4033	090-3434
BG2	G 3/8"	25	70	45	41	4.2	0.5 - 10 bar	max. 14 bar	+	-	030-4034	090-3435

Regulation range: 0.5 to 10 bar

Compressed air regulator and filter unit. Air pressure adjustable with automatic vent, filter with manual drain valve.



Operating temperature: .. 0°C to -50°C
For extraction pressure: .. 0.5 to 10 bar
Admission pressure: max. 14 bar
Sintered filter: pore width 50 µm
Container material: PA

Container volume:
BG2 40 cm³
BG4 90 cm³

Size	Connection	Dimensions					Control range	Inlet pressure	Fasten. bracket	without press. gauge	with press. gauge
		A	B	C	D	E					
BG2	G 1/4"	127	70	53	41	4.2	0.5 - 10 bar	max 14 bar	+	030-3997	090-2008
BG2	G 3/8"	127	70	45	41	4.2	0.5 - 10 bar	max 14 bar	+	030-3998	090-2009
BG4	G 1/2"	148	93	73	58	6.0	0.5 - 10 bar	max 14 bar	+	030-3999	090-2011
BG4	G 3/4"	148	93	73	58	6.0	0.5 - 10 bar	max 14 bar	+	090-4000	090-3436
BG4	G 1"	148	93	124	58	6.0	0.5 - 10 bar	max 14 bar	+	090-4001	090-3437

+ Fastening bracket or fastening set for control panel mounting available as optional extra. See "Accessories" for order numbers

Operating temperature: .. 0°C to +50°C
For extraction pressure: .. 0.5 to 10 bar
Admission pressure: max. 14 bar
Sintered filter: pore width 50 µm
Container material: metal

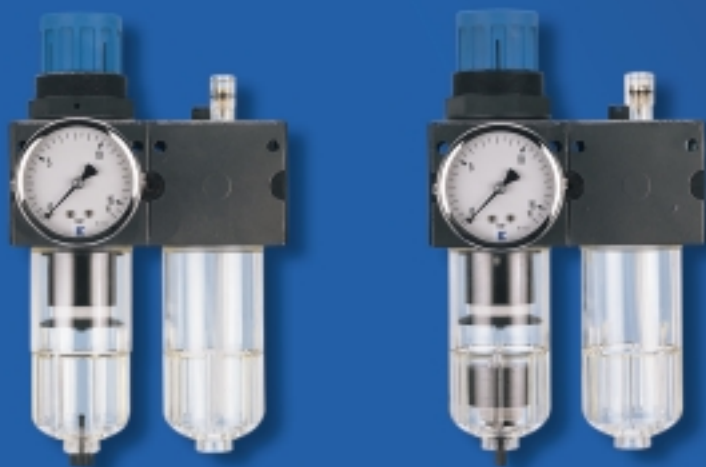
Container volume:
BG2 20 cm³
BG4 60 cm³

Size	Connection	Dimensions					Control range	Inlet pressure	Fasten. bracket	without press. gauge	with press. gauge
		A	B	C	D	E					
BG2	G 1/4"	117	70	53	41	4.2	0.5 - 10 bar	max 14 bar	+	030-4035	090-3438
BG2	G 3/8"	117	70	53	41	4.2	0.5 - 10 bar	max 14 bar	+	030-4036	090-3439
BG4	G 1/2"	146	93	73	58	6.0	0.5 - 10 bar	max 14 bar	+	030-4037	090-3440
BG4	G 3/4"	146	93	73	58	6.0	0.5 - 10 bar	max 14 bar	+	030-4038	090-3441
BG4	G 1"	146	93	73	58	6.0	0.5 - 10 bar	max 14 bar	+	030-4039	090-3442

+ Fastening bracket or fastening set for control panel mounting available as optional extra. See "Accessories" for order numbers

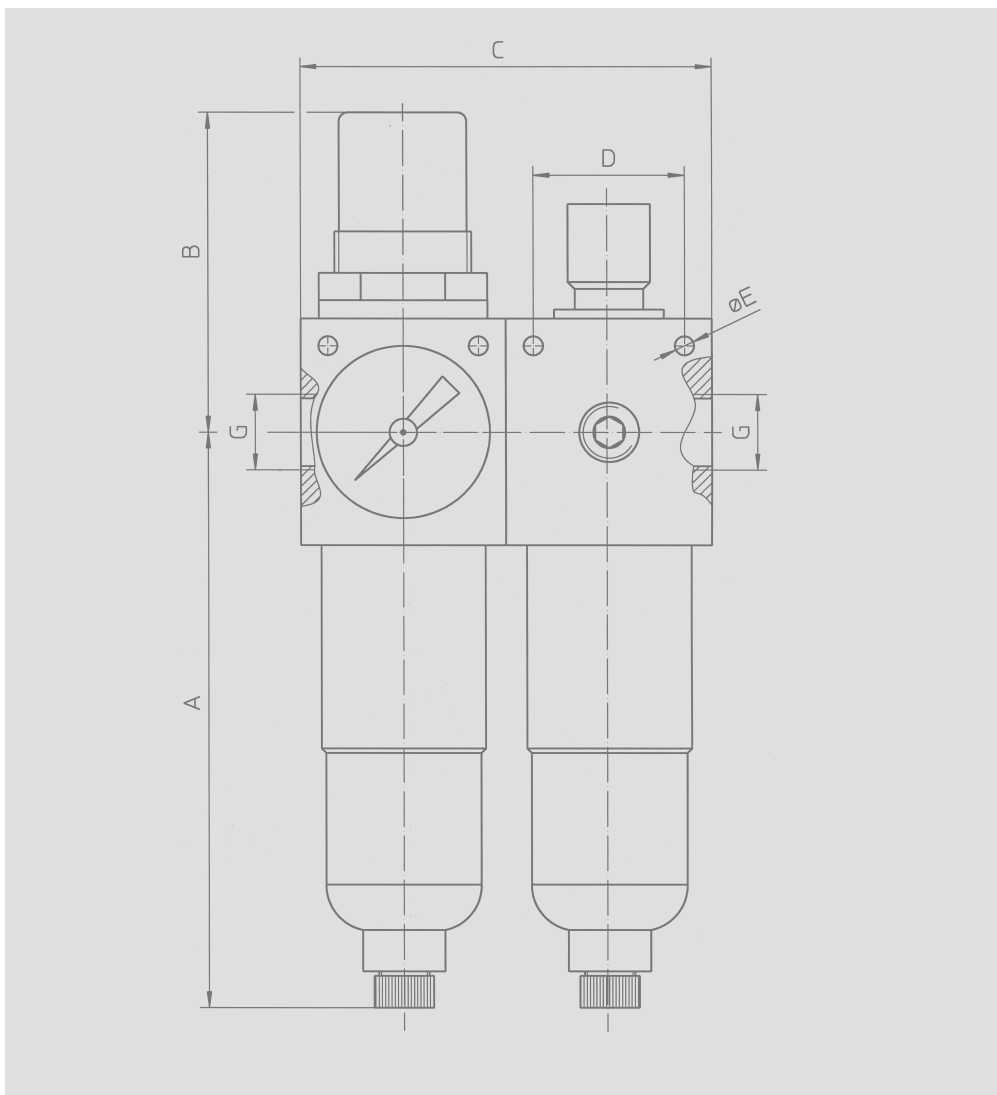
Regulators/valves

Air regulator-filter/
lubricator units



Adjustable air pressure regulator with automatic vent, filter with manual drain valve and lubricator.

Fixing brackets or panel mounting set available as an optional extra.



Operating temperature: .. 0°C to +50°C
For extraction pressure: .. 0.5 to 10 bar
Admission pressure: max. 14 bar
Sintered filter: pore width 50 µm
Container material: PA
Container volume BG2
Filter: 40 cm³
Lubricator: 60 cm³
Container volume BG4
Filter: 90 cm³
Lubricator: 170 cm³

Size	Connection	Dimensions					Control range	Inlet pressure	Pressure gauge	Fasten. bracket	Article no.
		A	B	C	D	E					
BG2	G 1/4"	127	70	98	41	4,2	0,5 - 10 bar	max 14 bar	with	+	030-4050
BG2	G 3/8"	127	70	90	41	4,2	0,5 - 10 bar	max 14 bar	with	+	030-4051
BG4	G 1/2"	148	93	143	58	6	0,5 - 10 bar	max 14 bar	with	+	030-4052
BG4	G 3/4"	148	93	143	58	6	0,5 - 10 bar	max 14 bar	with	+	030-4053
BG4	G 1"	148	93	193	58	6	0,5 - 10 bar	max 14 bar	with	+	030-4054

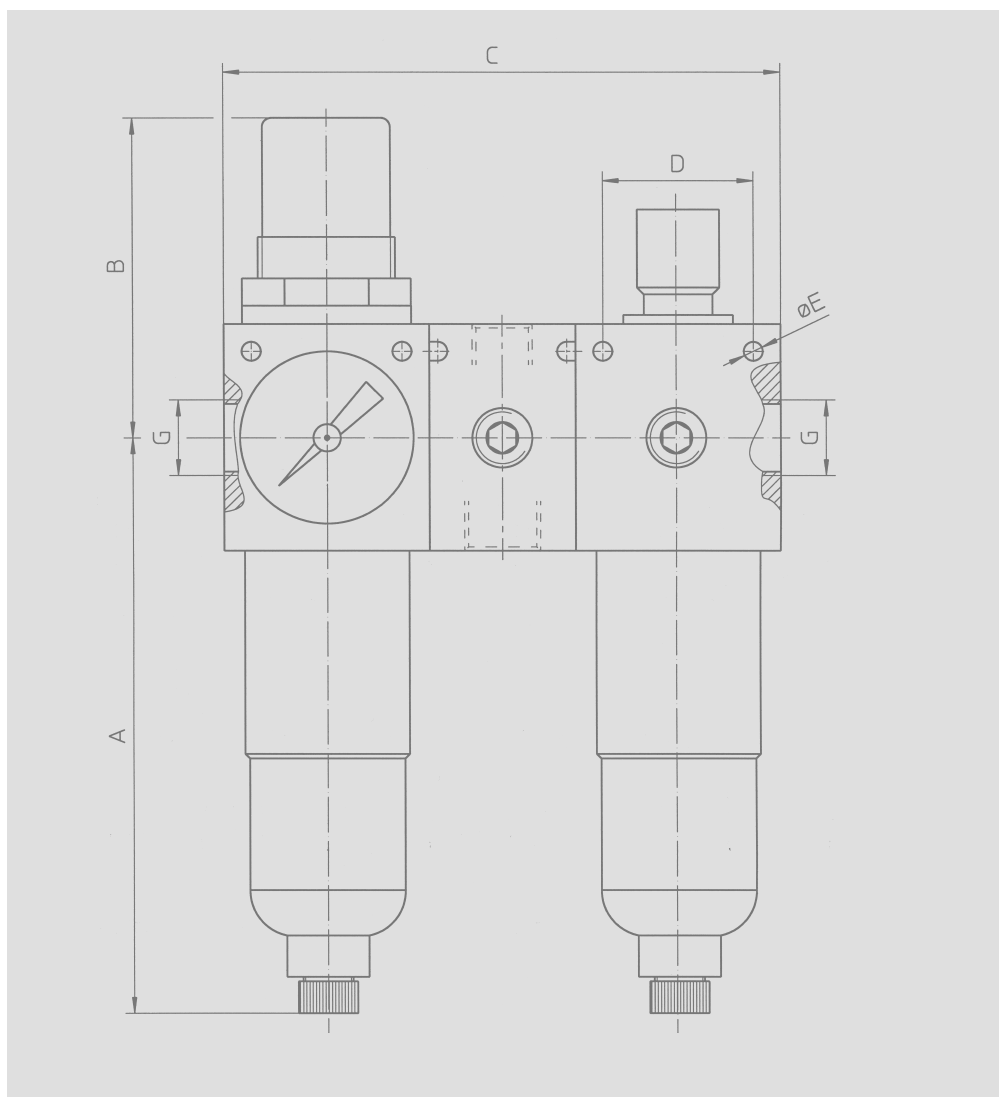
Operating temperature: .. 0°C to +50°C
For extraction pressure: .. 0.5 to 10 bar
Admission pressure: max. 14 bar
Sintered filter: pore width 50 µm
Container material: metal
Container volume BG2
Filter: 20 cm³
Lubricator: 45 cm³
Container volume BG4
Filter: 60 cm³
Lubricator: 150 cm³

Size	Connection	Dimensions					Control range	Inlet pressure	Pressure gauge	Fasten. bracket	Article no.
		A	B	C	D	E					
BG2	G 1/4"	117	70	98	41	4,2	0.5 - 10 bar	max 14 bar	with	+	030-4055
BG2	G 3/8"	117	70	90	41	4,2	0.5 - 10 bar	max 14 bar	with	+	030-4056
BG4	G 1/2"	146	93	143	58	6	0.5 - 10 bar	max 14 bar	with	+	030-4057
BG4	G 3/4"	146	93	143	58	6	0.5 - 10 bar	max 14 bar	with	+	030-4058
BG4	G 1"	146	93	193	58	6	0.5 - 10 bar	max 14 bar	with	+	030-4059

Maintenance unit, 2-section,
with separate air extraction,
comprising pressure reducer,
filter and lubricator, with manual
drain valve, reverse controllable,
with automatic vent, admission
pressure-independent.
With extraction option for non-
lubricated and lubricated air

Fastening bracket or fastening
set for control panel mounting
available as optional extra.

Please see "Accessories" for
further information.



Operating temperature: .. 0°C to +50°C
For extraction pressure: .. 0.5 to 10 bar
Admission pressure: max. 14 bar
Sintered filter: pore width 50 µm
Container material: PA
Container volume BG2
Filter: 40 cm³
Lubricator: 60 cm³
Container volume BG4
Filter: 90 cm³
Lubricator: 170 cm³

Size	Connection	Dimensions					Control range	Inlet pressure	Pressure gauge	Fasten. bracket	Article no.
		A	B	C	D	E					
BG2	G 1/4"	127	70	130	41	4.2	0.5 - 10 bar	max 14 bar	with	+	030-4060
BG2	G 3/8"	127	70	122	41	4.2	0.5 - 10 bar	max 14 bar	with	+	030-4061
BG4	G 1/2"	148	93	221	58	6	0.5 - 10 bar	max 14 bar	with	+	030-4062
BG4	G 3/4"	148	93	213	58	6	0.5 - 10 bar	max 14 bar	with	+	030-4063
BG4	G 1"	148	93	265	58	6	0.5 - 10 bar	max 14 bar	with	+	030-4064

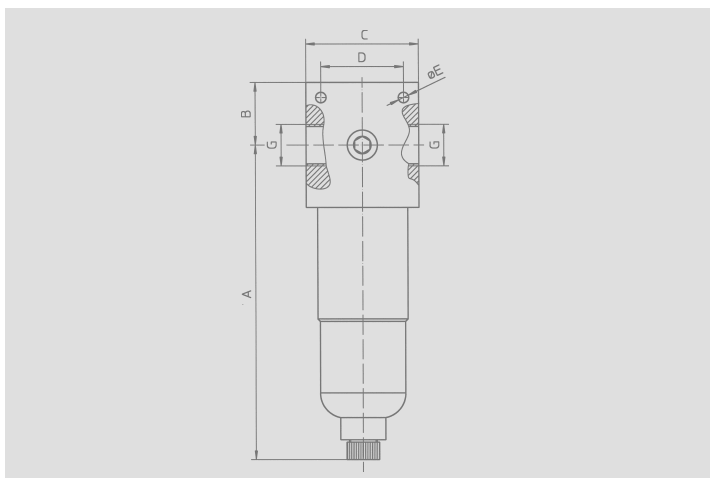
Operating temperature: .. 0°C to +50°C
For extraction pressure: .. 0.5 to 10 bar
Admission pressure: max. 14 bar
Sintered filter: pore width 50 µm
Container material: metal
Container volume BG2
Filter: 40 cm³
Lubricator: 60 cm³
Container volume BG4
Filter: 45 cm³
Lubricator: 150 cm³

Size	Connection	Dimensions					Control range	Inlet pressure	Pressure gauge	Fasten. bracket	Article no.
		A	B	C	D	E					
BG2	G 1/4"	117	70	130	41	4.2	0.5 - 10 bar	max 14 bar	with	+	030-4065
BG2	G 3/8"	117	70	122	41	4.2	0.5 - 10 bar	max 14 bar	with	+	030-4066
BG4	G 1/2"	146	93	221	58	6	0.5 - 10 bar	max 14 bar	with	+	030-4067
BG4	G 3/4"	146	93	213	58	6	0.5 - 10 bar	max 14 bar	with	+	030-4068
BG4	G 1"	146	93	265	58	6	0.5 - 10 bar	max 14 bar	with	+	030-4069



Compressed air filter with manual drain valve.

Compressed air filter with sub-microfilter and manual drain valve.



Compressed air filter with sub-microfilter and manual drain valve.

Operating temperature: .. 0 °C to +50 °C
Admission pressure: max. 14 bar
Separation degree: 99.99999 %
based on 0.01 mm
Residual oil content: 0.01 mg/m³
Container material: PA

Size	Connection	Dimensions					Inlet pressure	Article no.
		A	B	C	D	E		
BG2	G 1/4"	117	25	53	41	4.2	max 14 bar	030-4021
BG2	G 3/8"	117	25	45	41	4.2	max 14 bar	030-4022
BG4	G 1/2"	146	34	73	58	6	max 14 bar	030-4023
BG4	G 3/4"	146	34	73	58	6	max 14 bar	030-4024
BG4	G 1"	146	34	124	58	6	max 14 bar	030-4025

Operating temperature: .. 0 °C to +50 °C
Admission pressure: max. 14 bar
Separation degree: 99.99999 %
based on 0.01 mm
Residual oil content: 0.01 mg/m³
Container material: metal

Size	Connection	Dimensions					Inlet pressure	Article no.
		A	B	C	D	E		
BG2	G 1/4"	117	25	53	41	4.2	max 14 bar	030-4026
BG2	G 3/8"	117	25	45	41	4.2	max 14 bar	030-4027
BG4	G 1/2"	146	34	73	58	6	max 14 bar	030-4028
BG4	G 3/4"	146	34	73	58	6	max 14 bar	030-4029
BG4	G 1"	146	34	124	58	6	max 14 bar	030-4030

Compressed air filter with manual drain valve.

Operating temperature: .. 0 °C to +50 °C
Admission pressure: max. 14 bar
Sintered filter: pore width 50 µm
Container material: PA

Container volume:
BG2: 40 cm³
BG4: 90 cm³

Size	Connection	Dimensions					Inlet pressure	Article no.
		A	B	C	D	E		
BG2	G 1/4"	127	25	53	41	4.2	max 14 bar	030-4014
BG2	G 3/8"	127	25	45	41	4.2	max 14 bar	030-1142
BG4	G 1/2"	148	34	73	58	6	max 14 bar	030-1103
BG4	G 3/4"	148	34	73	58	6	max 14 bar	030-1104
BG4	G 1"	148	34	124	58	6	max 14 bar	030-4015

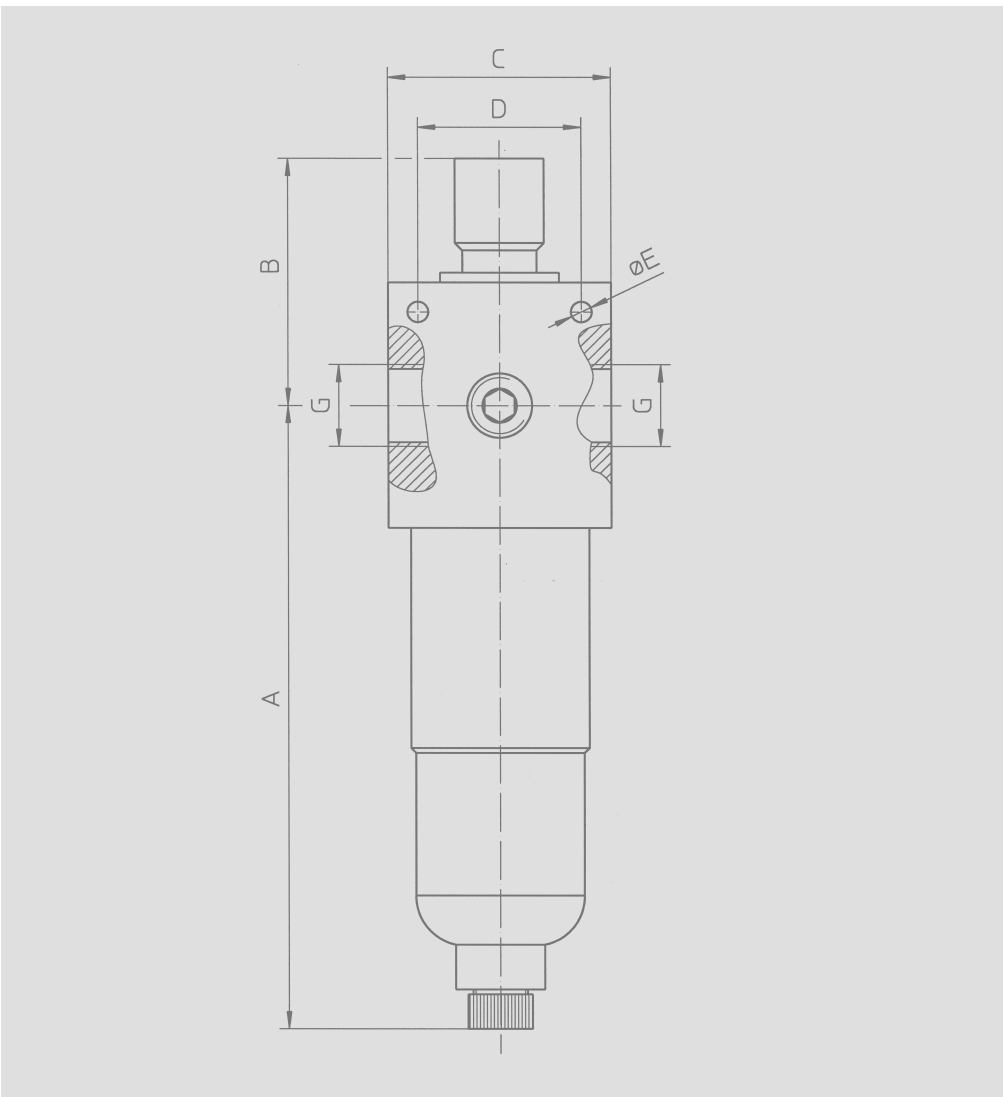
Operating temperature: .. 0 °C to +50 °C
Admission pressure: max. 14 bar
Sintered filter: pore width 50 µm
Container material: metal

Container volume:
BG2: 20 cm³
BG4: 60 cm³

Size	Connection	Dimensions					Inlet pressure	Article no.
		A	B	C	D	E		
BG2	G 1/4"	117	25	53	41	4.2	max 14 bar	030-4016
BG2	G 3/8"	117	25	45	41	4.2	max 14 bar	030-4017
BG4	G 1/2"	146	34	73	58	6	max 14 bar	030-4018
BG4	G 3/4"	146	34	73	58	6	max 14 bar	030-4019
BG4	G 1"	146	34	124	58	6	max 14 bar	030-4020



Mist lubricators with manual drain valve.



Operating temperature: .. 0 °C to +50 °C
Admission pressure: max. 14 bar
Container material: PA

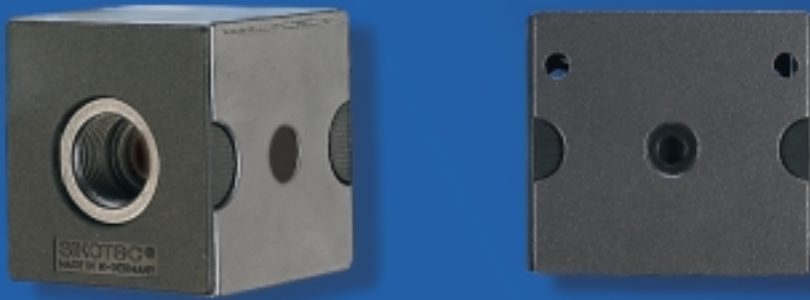
Container volume:
BG2 60 cm³
BG4 170 cm³

Size	Connection	Dimensions					Inlet pressure	Article no.
		A	B	C	D	E		
BG1	G 1/4"	100	45	40	-	-	max 14 bar	030-4011
BG2	G 1/4"	127	50	53	41	4,2	max 14 bar	030-4040
BG2	G 3/8"	127	50	45	41	4,2	max 14 bar	030-4041
BG4	G 1/2"	148	65	73	58	6	max 14 bar	030-4042
BG4	G 3/4"	148	65	73	58	6	max 14 bar	030-4043
BG4	G 1"	148	65	124	58	6	max 14 bar	030-4044

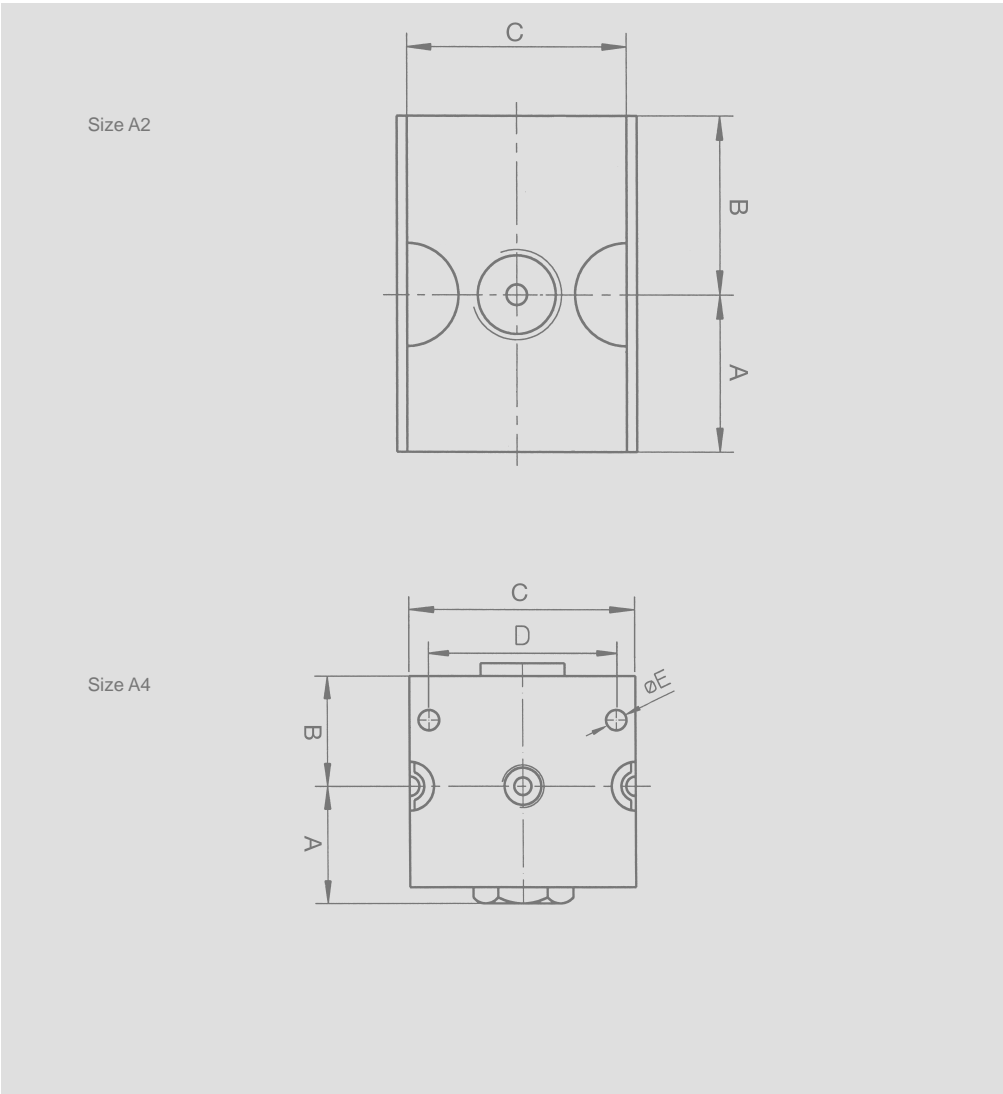
Operating temperature: .. 0 °C to +50 °C
Admission pressure: max. 14 bar
Container material: Metal

Container volume:
BG2 45 cm³
BG4 150 cm³

Size	Connection	Dimensions					Inlet pressure	Article no.
		A	B	C	D	E		
BG2	G 1/4"	117	50	53	41	4,2	max 14 bar	030-4045
BG2	G 3/8"	117	50	45	41	4,2	max 14 bar	030-4046
BG4	G 1/2"	146	65	73	58	6	max 14 bar	030-4047
BG4	G 3/4"	146	65	73	58	6	max 14 bar	030-4048
BG4	G 1"	146	65	124	58	6	max 14 bar	030-4049



Air manifold block, e.g. for the extraction of unlubricated air in 2-section maintenance units or for multiple extraction of air at any desired point, PN 14.



Size	Connection	Dimensions					Article no.
		A	B	C	D	E	
A2	G 3/8"	25	25	32	41	4,2	030-3987
A4	G 1/2"	37	34	70	58	6	030-0849
A4	G 3/4"	37	34	70	58	6	030-4074

Outlets on manifold block	front	back	top	bottom
Size A2	1/4	-	-	-
Size A2, optionally	1/4	1/4	1/4	3/8
Size A4	1/4	1/4	1/2	3/4



Subject to change





1



4



5

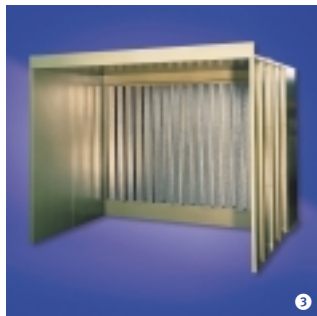
- 1 Glaze spraying stands
- 2 Spraying wall module with labyrinth baffle plates
- 3 Spray cabin
- 4 Small-sized spray stand
- 5 Small-sized spray stand
- 6 Spraying wall module with fibre glass filter
- 7 Spray stand



2



6



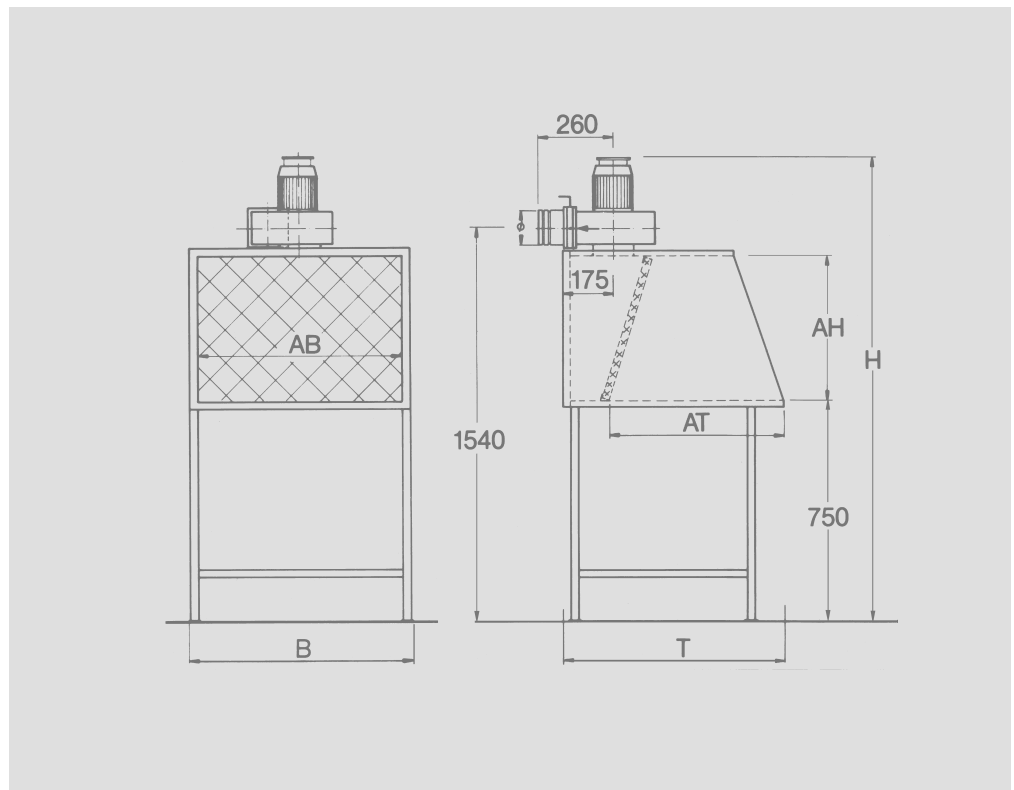
3



7

Mini spray stands

Krautzberger mini spray stands are designed for the processing of small parts. The standard working widths are 50 cm or 71 cm (special sizes available on request). If the suction unit is not mounted on an existing table, an support frame is available as an optional extra. The fans – in explosion-protected threephase or AC design – are fitted with a damper for exhaust air control.



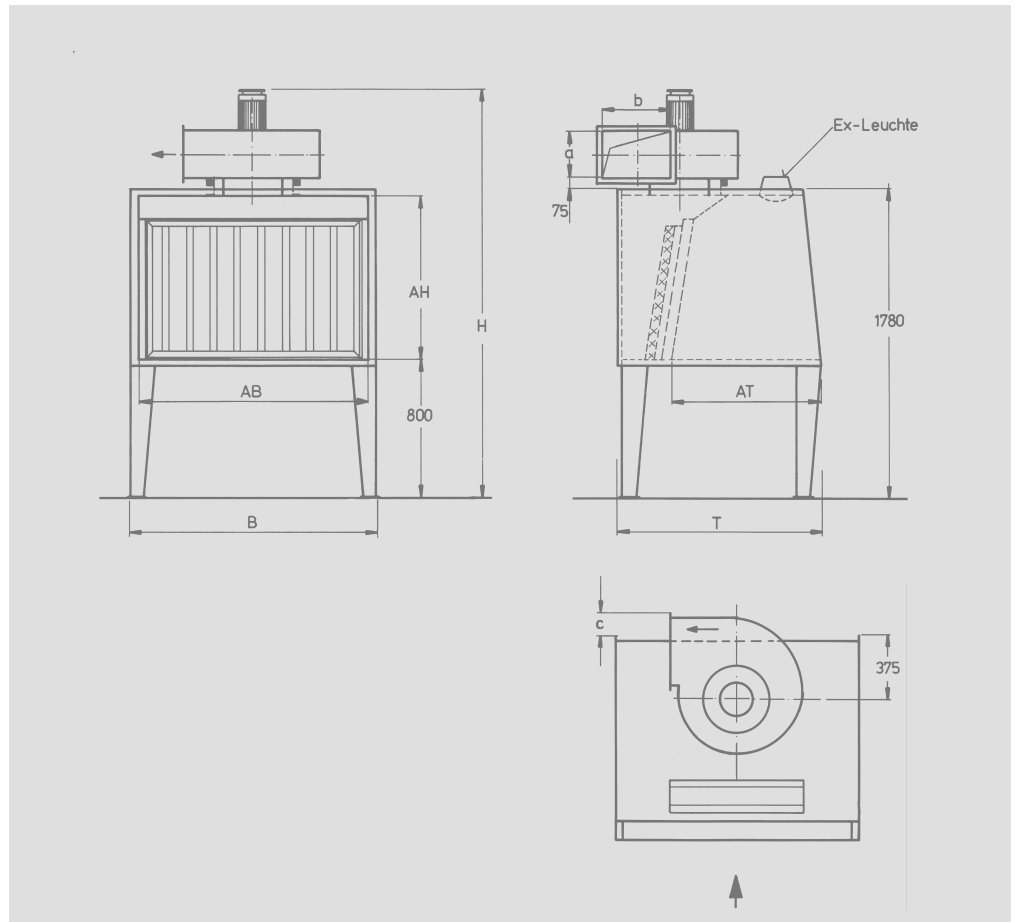
Mini spray stands

Order no.	7450-000	7451-000	7452-000	7453-000	7475-000	7476-000	7477-000	7478-000
Working width (AB)	mm	480	500	500	500	710	710	710
Working height (AH)	mm	475	500	500	500	690	690	690
Working depth (AT)	mm	600	600	600	600	700	700	700
Total width (B)	mm	580	580	580	580	770	770	770
Total depth (T)	mm	800	800	800	800	890	890	890
Total height (H)	mm	1590	1590	-	-	1835	1835	-
Fan overhang max.	mm	100	10	100	100	100	100	100
Duct connection (fan) dia.	mm	96	96	96	96	120	120	120
Recommended pipe dia. for downstream waste air line	mm	100	100	100	100	120	120	120
Baseframe mounted	yes	yes	no	no	yes	yes	no	no
Waste air volume flow	m³/h	570	570	570	570	1080	1080	1080
Fan type	KT 100	KTE 100	KT 100	KTE 100	KT 125	KTE 125	KT 125	KTE 125
Motor	kW	0,25	0,12	0,25	0,12	0,37	0,25	0,37
Voltage	220/380 V	220 V	220/380 V	220 V	220/380 V	220 V	220/380 V	220 V
	50 HZ	50 HZ	50 HZ	50 HZ	50 HZ	50 HZ	50 HZ	50 HZ
Speed	1/min	2790	2780	2790	2780	2790	2800	2790
Static pressure increase	Pa	400	400	400	400	350	350	350
Pressure reserve for waste air pipeline	Pa	250	250	250	250	200	200	200
Throttle valve	yes	yes	yes	yes	yes	yes	yes	yes



Spray stands

Krautzberger spray stands are available in various standard working widths from 87 cm upwards (special sizes on request). The stands are also available with workplace lights, rotary discs or other spraying devices. The spray stands can also be produced as split-design models to permit transport through narrow doorways.



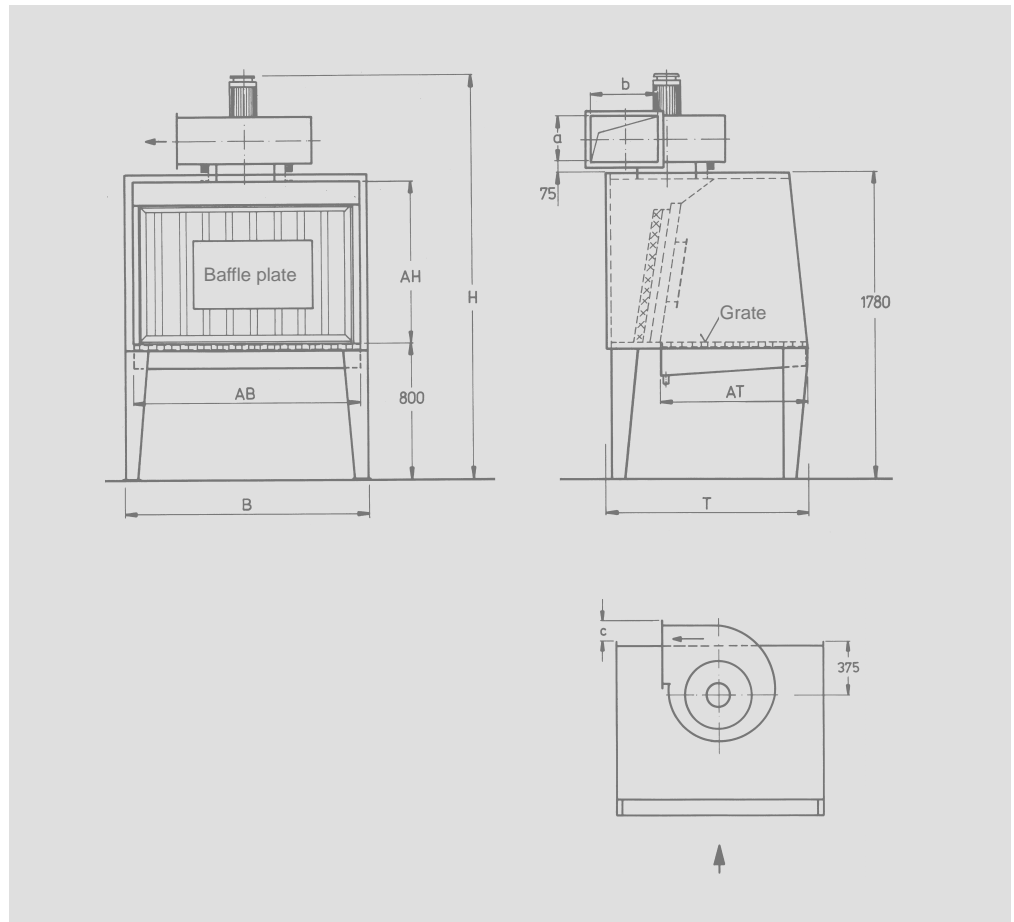
Spray stands

	Order no.	7401-000	7402-000	7403-000	7404-000
Working width (AB)	mm	870	1110	1360	1920
Working height (AH)	mm	910	910	910	910
Working depth (AT)	mm	870	870	870	870
Total width (B)	mm	960	1200	1450	2010
Total depth (T)	mm	1200	1200	1200	1200
Total height (H)	mm	2400	2400	2700	2700
Waste air volume flow	m³/h	1800	2340	2880	4070
Fan type, explosion-protected		KV-315	KV-315	KV-355	KV-355
Motor output EEx e IIT3	kW	0,37	0,37	0,55	0,55
Speed	1/min	1400	1400	1400	1400
Static pressure increase	Pa	415	320	490	240
Pressure reserve for waste air pipeline	Pa	215	120	290	40
Fan overhang max.	mm	75	75	125	125
Duct connection (fan) a x b	mm	250 x 310	250 x 310	280 x 400	280 x 400
Recommended pipe dia. for downstream waste air line	mm	315	315	355	400
Illumination (ex)	W	2 x 20	2 x 20	2 x 40	2 x 40



Glaze spraying stands

Krautzberger glaze spraying stands are equipped as standard with a collection tub as well as a hot-galvanised grate cover. A plastic baffle plate (optional extra) fitted in front of the filter device optimises spraying medium recovery and increases the service life of the filters. The spray stands can also be fitted with glaze collection trolleys or push-in boxes to improve glaze recovery. Various rotary discs and workplace lamps are also available as optional extras.



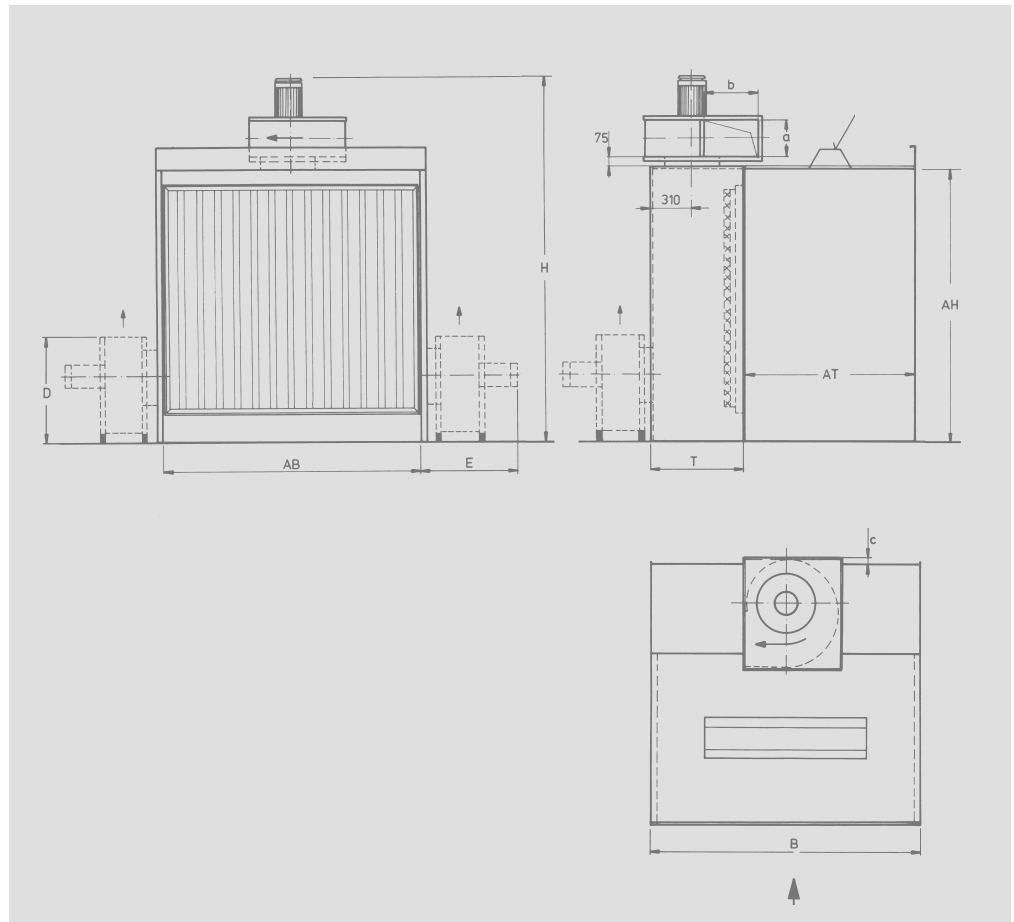
Glaze spraying stands

	Order no.	7431-00	7432-000	7433-000	7434-000
Working width (AB)	mm	870	1110	1360	1920
Working height (AH)	mm	910	910	910	910
Working depth (AT)	mm	870	870	870	870
Total width (B)	mm	960	1200	1450	2010
Total depth (T)	mm	1200	1200	1200	1200
Total height (H)	mm	2400	2700	2700	2750
Waste air volume flow	m ³ /h	2124	2700	3350	4750
Fan type, explosion-protected		KV-315	KV-355	KV-355	KV-400
Motor output EEx e IIT3	kW	0,37	0,55	0,55	1
Speed	1/min	1400	1400	1400	1400
Static pressure increase	Pa	355	525	390	540
Pressure reserve for waste air pipeline	Pa	155	325	190	340
Fan overhang (C) max.	mm	75	125	125	151
Duct connection dimension					
Fan (a x b)	mm	250 x 310	280 x 400	280 x 400	280 x 450
Recommended pipe dia. for downstream waste air line	mm	315	355	400	450
Illumination (ex)	W	2 x 20	2 x 20	2 x 40	2 x 40



Spraying booths

The basic design of the Krautzberger spraying booths is the same as that of the proven spray walls. These units are additionally equipped with top cover and side walls. Cutouts can also be made for transport devices or grid plates in line with customer specifications.

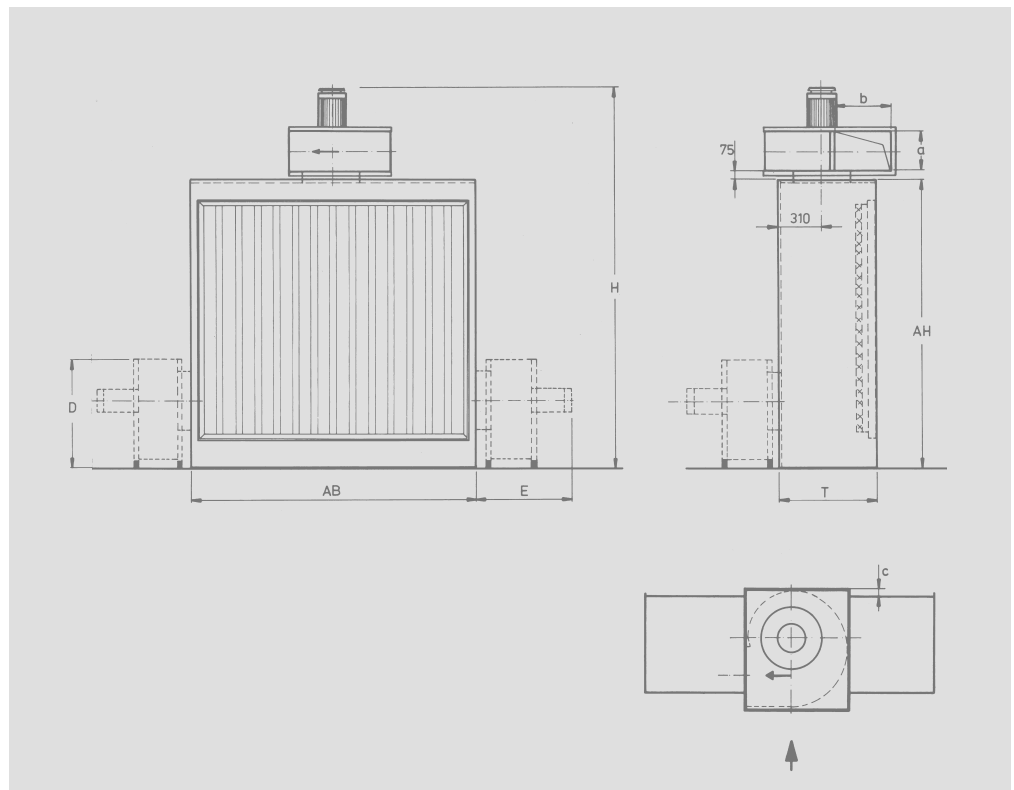


Spraying booths

	Order no.	7418-000	7419-000	7420-000	7421-000
Working width (AB)	mm	1430	1930	2430	2930
Working height (AH)	mm	1965	1965	1965	1965
Working depth (AT)	mm	1250	1250	1500	1500
Total width (B)	mm	1500	2000	2500	1500
Total depth (T)	mm	1925	1925	2175	2175
Total height (H)	mm	2640	2750	2820	2820
Waste air volume flow	m³/h	6480	8640	10800	12900
Fan type, explosion-protected		KV-400	KV-500	KV-501	KV-501
Motor output EEx e IIT3	kW	1	2,1	3,6	3,6
Speed	1/min	1400	1400	1400	1400
Static pressure increase	Pa	285	450	680	375
Pressure reserve for waste air pipeline	Pa	85	250	480	160
Fan overhang (C) max.	mm	206	206	304	304
Duct connection dimension					
Fan (a x b)	mm	280 x 450	315 x 450	404 x 507	404 x 507
Recommended pipe dia. for downstream waste air line	mm	500	560	560	630
Illumination (ex)	W	2 x 40	2 x 40	2 x 40	4 x 40

Spraying walls

Krautzberger spraying walls are made of sturdy sheet metal and are also available in galvanised sheet steel or stainless steel versions on request.

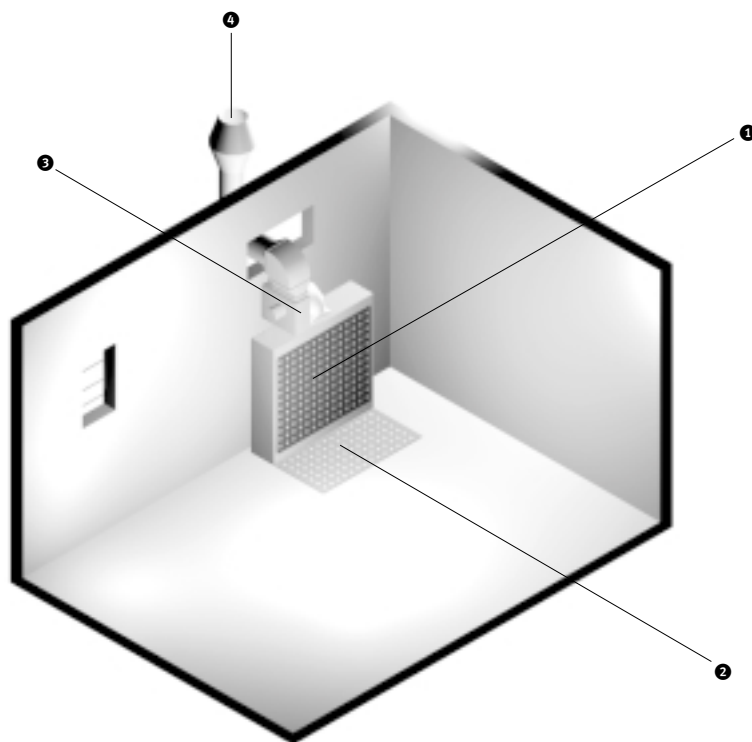


Spraying walls

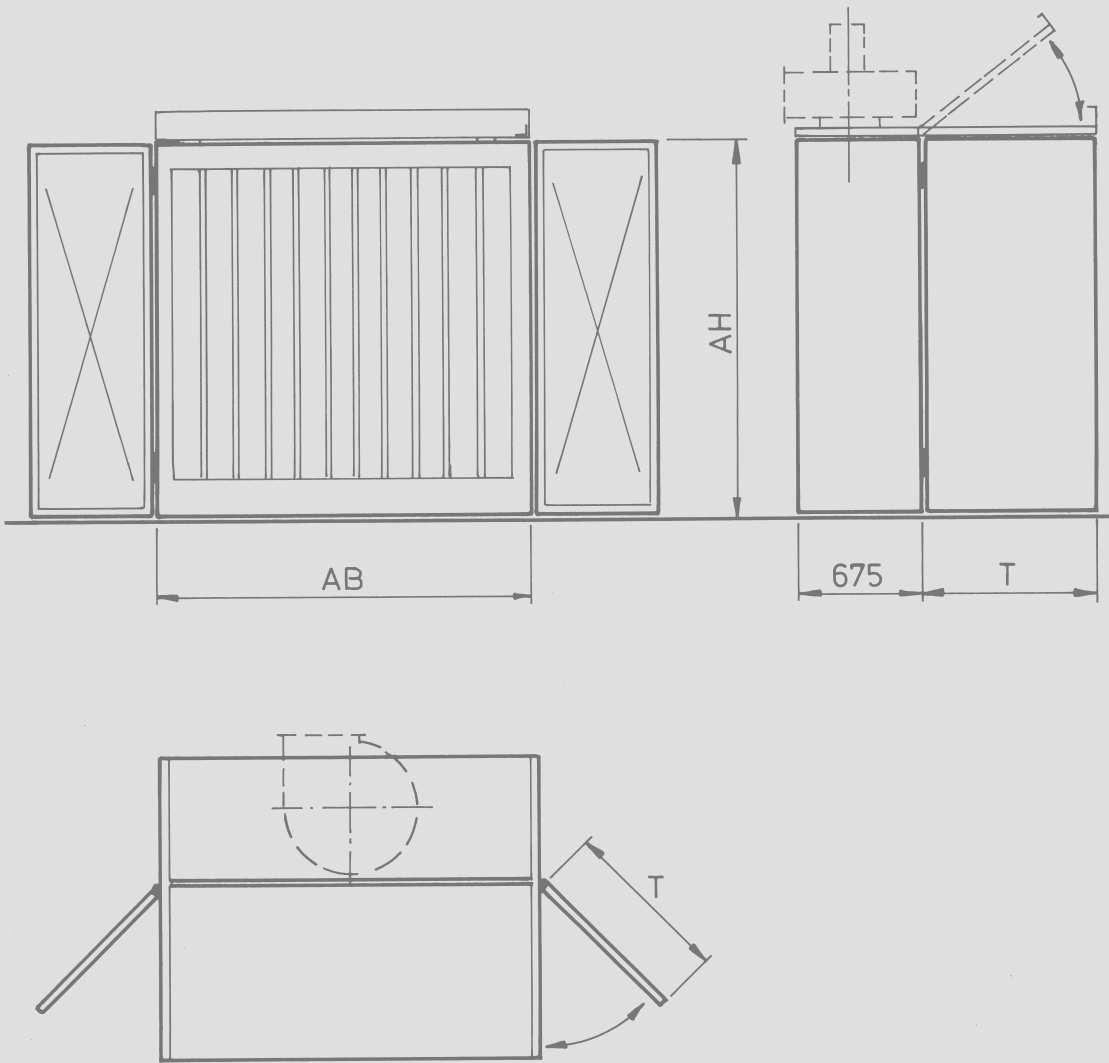
	Order no.	7405-000	7406-000	7407-000	7408-000	7409-000	7410-000	7411-000
Working width (AB)	mm	1500	2000	2500	1500	2000	2500	3000
Working height (AH)	mm	1500	1500	1500	2000	2000	2000	2000
Total width (B)	mm	1500	2000	2500	1500	2000	2500	3000
Total depth (T)	mm	675	675	675	675	675	675	675
Total height (H)	mm	2135	2135	2250	2640	2750	2820	2820
Waste air volume flow	m³/h	4680	6480	8100	6480	8640	10800	12960
Fan type, explosion-protected		KV-400	KV-400	KV-500	KV-400	KV-500	KV-501	KV-501
Motor output EEx e IIT3	kW	1,0	1,0	2,1	1,0	2,1	3,6	3,6
Speed	1/min	1400	1400	1400	1400	1400	1400	1400
Static pressure increase	Pa	520	285	535	285	450	680	375
Pressure reserve for waste air pipeline	Pa	320	85	335	85	250	480	160
Fan overhang (C) max.	mm	206	206	260	206	260	304	304
Duct connection dimension								
Fan (a x b)	mm	280 x 450	280 x 450	315 x 450	280 x 450	315 x 450	404 x 507	404 x 507
Recommended pipe dia. for downstream waste air line	mm	400	500	500	500	560	560	630



With horizontal and
vertical extraction



- ❶ Spraying wall design and dimensions tailored to customer requirements
- ❷ Suction unit with grid cover and filter mat supports
- ❸ Exhaust air fan
- ❹ Waste air pipe with deflector



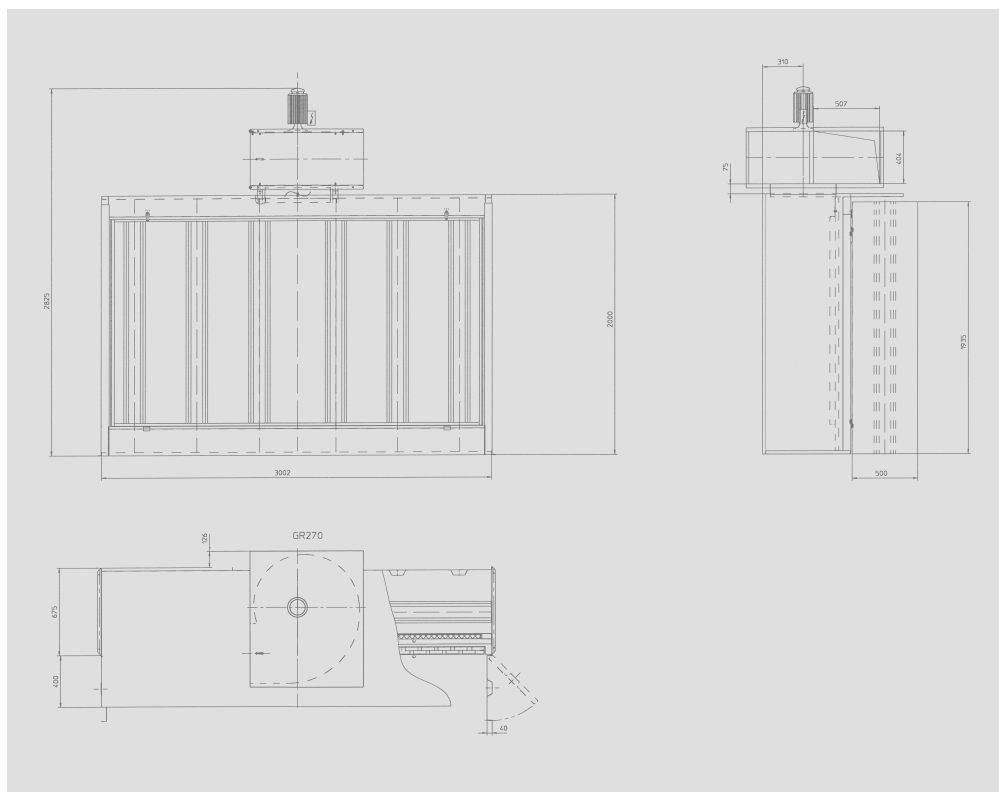
Roof and side panels for spraying walls

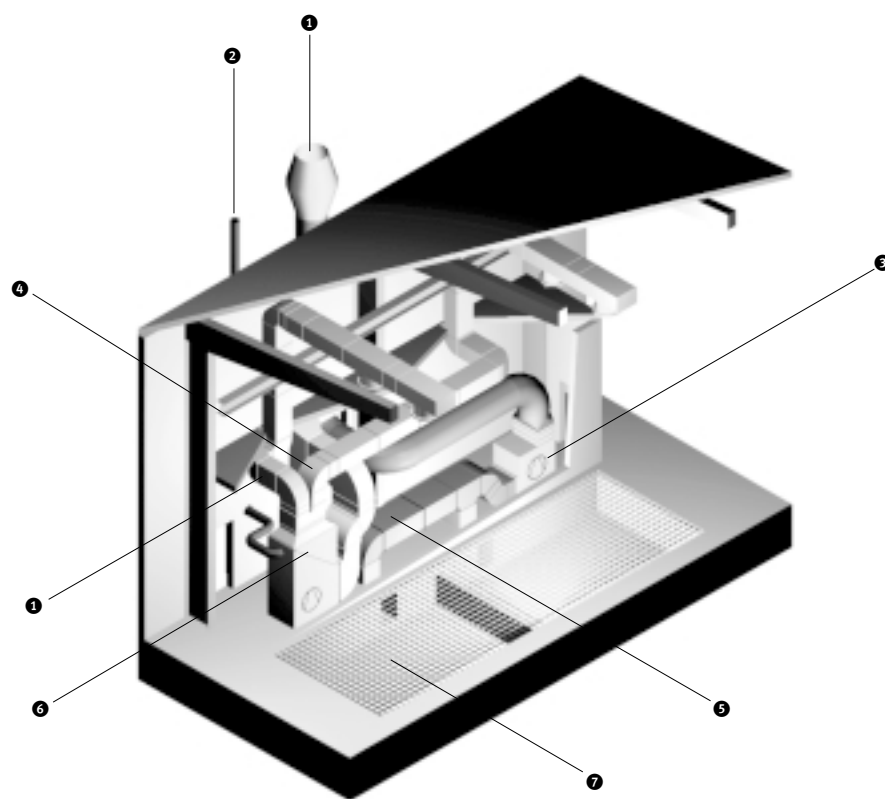
Spraying wall	Roof panel		Side panel	Side panel and roof	Side panel	Roof panel
	width (AB)		height (AH)	panel depth (T)		
Order no.					Order no.	Order no.
7405-000	1500	x	1500 mm	750 mm	7458-001	-
7406-000	2000	x	1500 mm	750 mm	7458-001	-
7407-000	2500	x	1500 mm	750 mm	7458-001	-
7408-000	1500	x	2000 mm	1000 mm	7458-002	7465-004
7409-000	2000	x	2000 mm	1000 mm	7458-002	7465-005
7410-000	2500	x	2000 mm	1000 mm	7458-002	7465-006
7411-000	3000	x	2000 mm	1000 mm	7458-002	7465-007



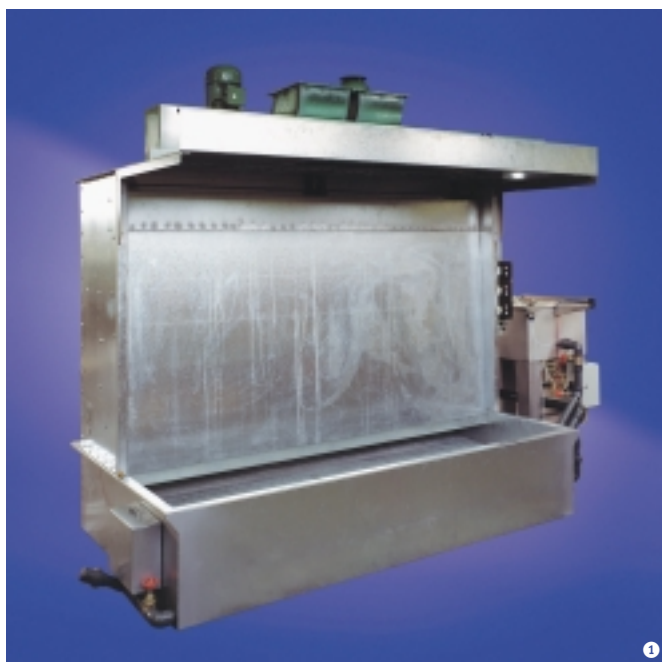
Modular spraying walls

Along with the new range of dry suction units, Krautzberger has created a system to satisfy modern market requirements in the field of surface technology. During the practice-oriented development phase, particular importance was attached to easy handling during assembly, cleaning and maintenance. The systems are made of stainless steel as standard and can be put together on a modular basis. By combining the individual elements, it is possible to build almost any desired wall size from widths of one metre upwards. The systems can also be subsequently extended using add-on modules measuring 50 cm in width. Various units are available for exhaust air filtration. The modular wall systems are generally equipped with disposable filter mats or fibre glass filters permitting rapid filter change and thus greatly reducing the time required for cleaning. The systems are, however, also suitable for use in combination with labyrinth baffle plate filters. These filters can also be retrofitted without any problem.





- ① Waste air pipe with deflector
- ② VA flue gas stack
- ③ Waste air unit
- ④ Feed air distribution duct with swirl-type outlets
- ⑤ Waste air collection duct
- ⑥ Feed air unit
- ⑦ Grid cover with filter mat supports



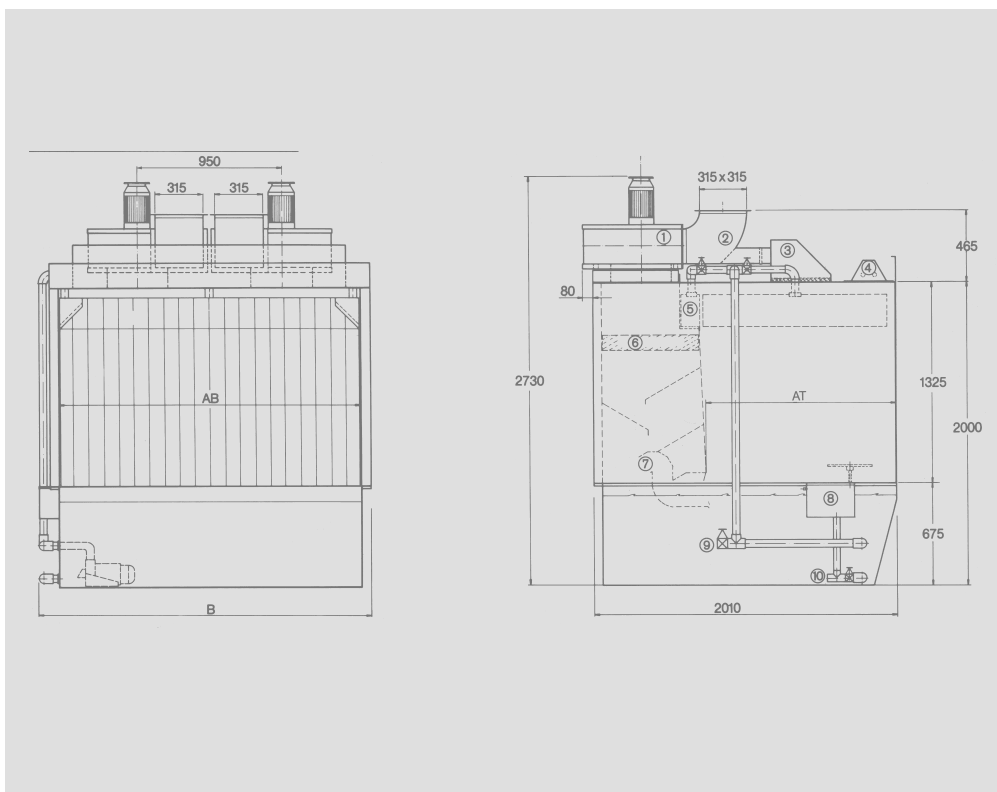
- ❶ Spraying wall, water-washed, with paint sludge discharge unit
- ❷ Spraying wall, water-washed, with side walls
- ❸ Spraying stand, water-washed, with washed side walls





Spraying stands, water-washed

The spraying stands are particularly suitable for spraying media that are not too heavy, as feed is generally effected by hand. Depending on design, it is also possible to provide water washing not only for the rear walls but also for the side walls.



- ① Exhaust air fan
- ② Branch bend duct / Air recycling unit
- ③ Circulating air filter / Air recycling unit
- ④ Lighting
- ⑤ Water boxes
- ⑥ Drip separator
- ⑦ Washing zone
- ⑧ Water supply with water level control
- ⑨ Drain pump connection with shutoff valve
- ⑩ Water drain and overflow

Spraying stands, water-washed

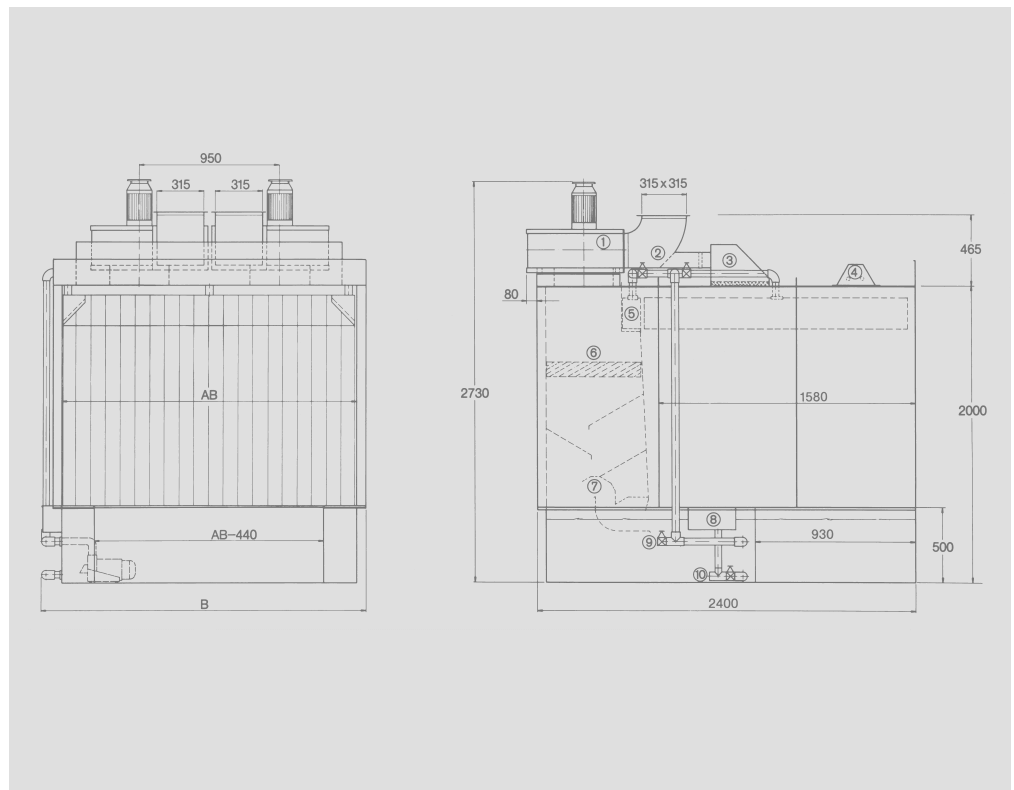
	Order no.	8508-000	8512-000	8515-000	8520-000	8525-000	8530-000
Working width (AB)	mm	800	1200	1500	2000	2500	3000
Working depth (AT)	mm	1000	1000	1260	1260	1260	1260
Total width (B)	mm	1000	1400	1700	2200	2700	3200
Waste air volume flow	m³/h	2300	3950	4660	6100	7000	8300
Fan type, explosion-protected		KVT-355	KVT-400	KVT-400	KVT-355	KVT-400	KVT-400
No. of fans		1	1	1	2	2	2
Motor output EEx e IIT3	kW	2,5	3,6	3,6	2 x 2,5	2 x 3,6	2 x 3,6
Speed	1/min	1400	1400	1400	1400	1400	1400
Static pressure increase	Pa	1100	1150	1150	1100	1150	1150
Pressure reserve for waste air pipeline	Pa	200	250	250	200	250	250
Recommended pipe dia. for downstream waste air line	mm	400	450	500	560	560	560
Pump output	kW	1,1	1,1	1,1	1,1	1,1	2 x 1,1
Delivery rate	m³/h	30	30	30	30	30	60
Water tank capacity	m³	0,9	1,2	1,44	2	2,53	3
Illumination (ex)	W	40	40	80	80	80	2 x 80
Continuous sound pressure level	dB(A)	79	79	80	80	80	80
Weight without water approx.	kg	400	500	600	700	800	900



Spraying booths, water-washed

As with the spraying stands, the rear and side walls of the spraying booths can also be water-washed. Transport devices may drive onto the unit; the installation of hanging devices or rotary tables is also possible.

- ① Exhaust air fan
- ② Branch bend duct / Air recycling unit
- ③ Circulating air filter / Air recycling unit
- ④ Lighting
- ⑤ Water boxes
- ⑥ Drip separator
- ⑦ Washing zone
- ⑧ Water supply with water level control
- ⑨ Drain pump connection with shutoff valve
- ⑩ Water drain and overflow

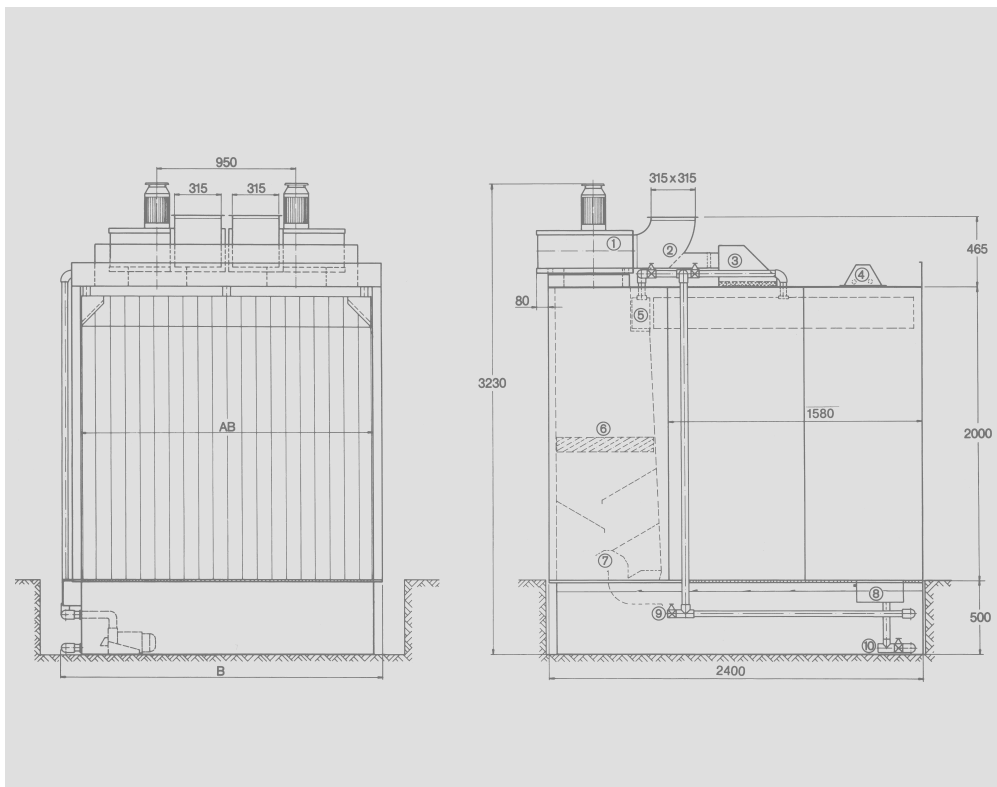


Spraying booths, water-washed

	Order no.	8620-000	8625-000	8630-000	8635-000	8640-000
Working width (AB)	mm	2000	2500	3000	3500	4000
Total width (B)	mm	2200	2700	3200	3700	4200
Waste air volume flow	m³/h	10000	12600	12960	15200	16000
Fan type, explosion-protected		KVT-355	KVT-400	KVT-355	KVT-400	KVT-400
No. of fans		2	2	3	3	3
Motor output EEx e IIT3	kW	2 x 2,5	2 x 3,6	3 x 2,5	3 x 3,6	3 x 3,6
Speed	1/min	1400	1400	1400	1400	1400
Static pressure increase	Pa	1100	1150	1100	1150	1150
Pressure reserve for waste air pipeline	Pa	200	250	200	250	250
Recommended pipe dia. for downstream waste air line	mm	710	800	800	900	900
Pump output	kW	1,1	1,1	1,1	2 x 1,1	2 x 1,1
Delivery rate	m³/h	30	30	30	55	55
Water tank capacity	m³	1,32	1,6	1,9	2,2	2,4
Illumination (ex)	W	80	80	80	80	80
Continuous sound pressure level	dB(A)	80	80	80	80	80
Weight without water approx.	kg	1000	1200	1400	1600	1800

Spraying booths, water-washed, underfloor

Compared to the water-washed spraying booth, the underfloor booth has the advantage of a bigger water reservoir. Spraying can take place right down to the floor area with assured excellent suction/extraction. The grates of these units are also available in heavy-duty design for stacker operation.



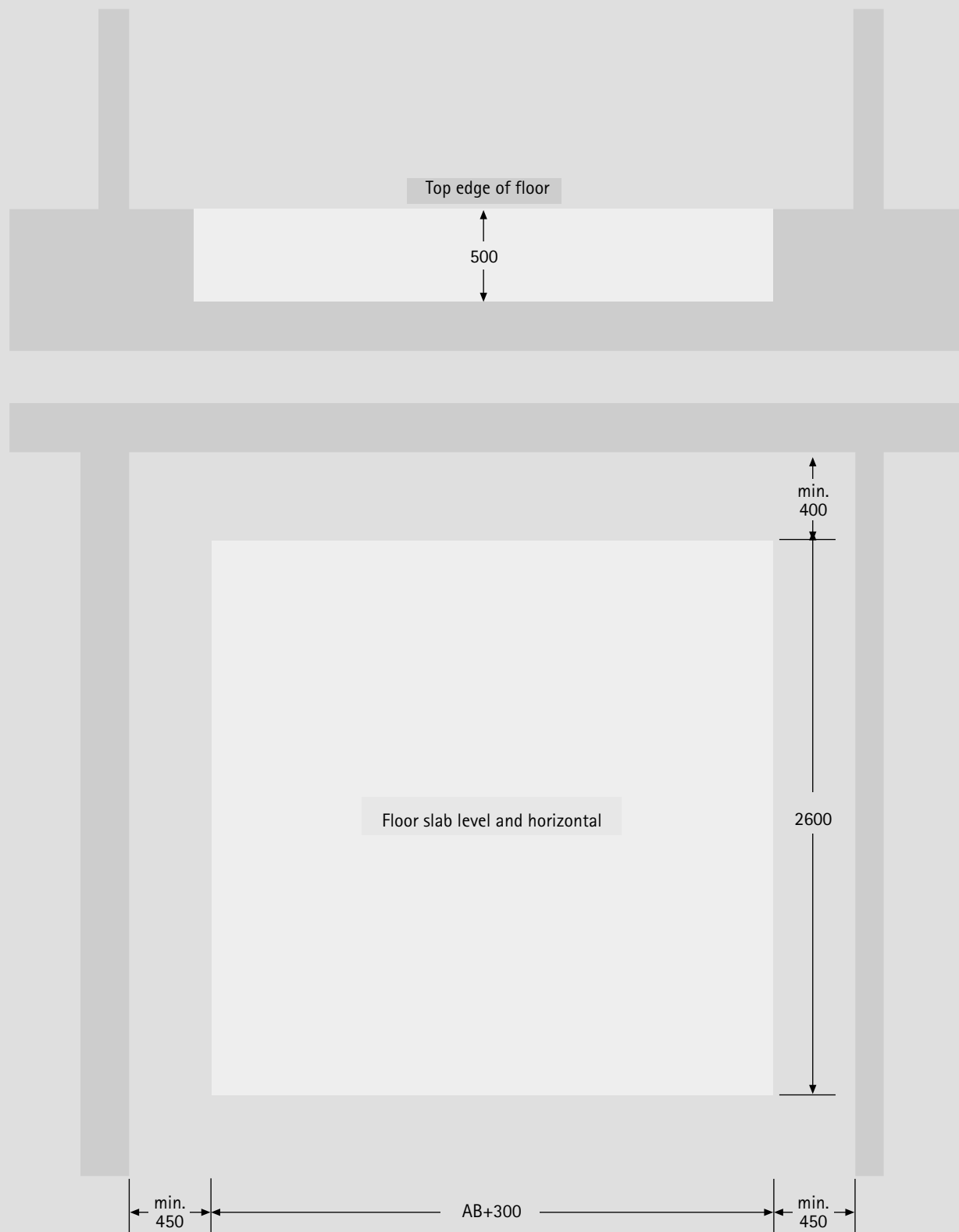
- ① Exhaust air fan
- ② Branch bend duct / Air recycling unit
- ③ Circulating air filter / Air recycling unit
- ④ Lighting
- ⑤ Water boxes
- ⑥ Drip separator
- ⑦ Washing zone
- ⑧ Water supply with water level control
- ⑨ Drain pump connection with shutoff valve
- ⑩ Water drain and overflow

Spraying booths, water-washed, underfloor

	Order no.	8720-000	8725-000	8730-000	8735-000	8740-000
Working width (AB)	mm	2000	2500	3000	3500	4000
Total width (B)	mm	2200	2700	3200	3700	4200
Waste air volume flow	m ³ /h	10100	12600	12960	15200	16000
Fan type, explosion-protected		KVT-355	KVT-400	KVT-355	KVT-400	KVT-400
No. of fans		2	2	3	3	3
Motor output EEx e IIT3	kW	2x2,5	2x3,6	3x2,5	3x3,6	3x3,6
Speed	1/min	1400	1400	1400	1400	1400
Static pressure increase	Pa	1100	1150	1100	1150	1150
Pressure reserve for waste air pipeline	Pa	200	250	200	250	250
Recommended pipe dia. for downstream waste air line	mm	710	800	800	900	900
Pump output	kW	1,1	1,1	1,1	2x1,1	2x1,1
Delivery rate	m ³ /h	30	30	30	55	55
Water tank capacity	m ³	2,1	2,65	3,15	3,7	4,2
Illumination (ex)	W	80	80	2x80	2x80	2x80
Continuous sound pressure level	dB(A)	80	80	80	80	80
Weight without water approx.	kg	1200	1400	1600	1800	2000



Foundation plan for underfloor systems

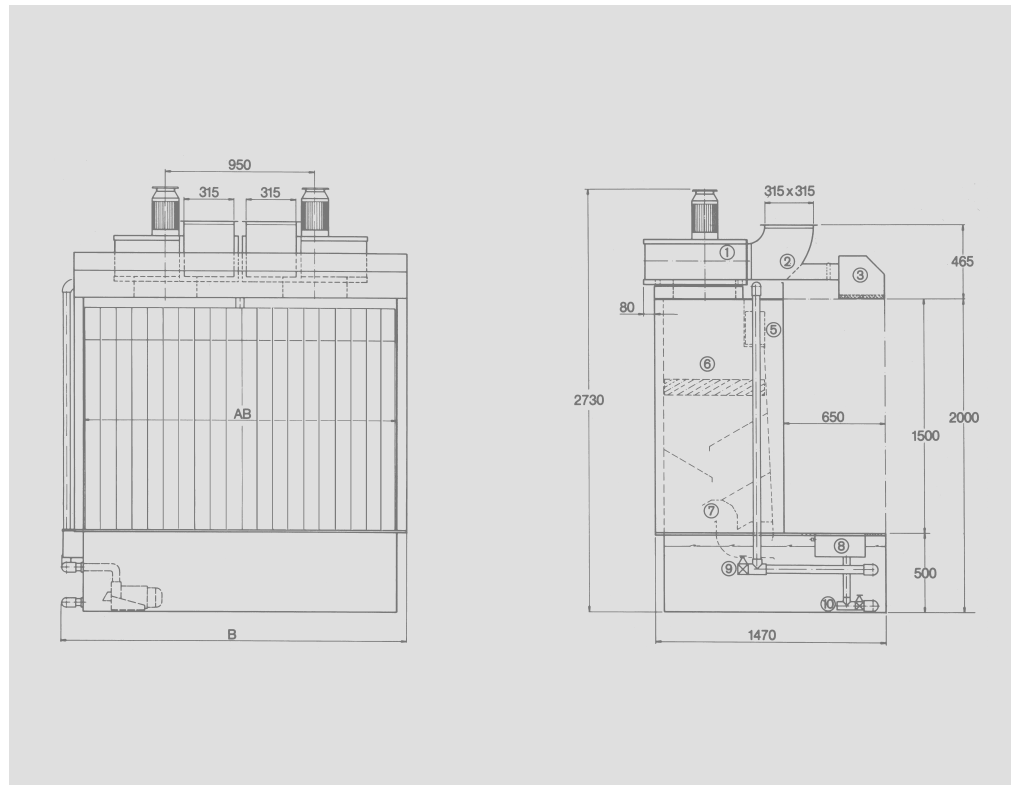




Spraying walls, water-washed

This systems are particularly suitable for processing big work-pieces. The absence of roof and side walls ensures maximum efficacy of use in the minimum of space. The spraying walls are especially suitable for use in combination with suspended conveying systems.

- ① Exhaust air fan
- ② Branch bend duct / Air recycling unit
- ③ Circulating air filter / Air recycling unit
- ④ Lighting
- ⑤ Water boxes
- ⑥ Drip separator
- ⑦ Washing zone
- ⑧ Water supply with water level control
- ⑨ Drain pump connection with shutoff valve
- ⑩ Water drain and overflow



Spraying walls, water-washed

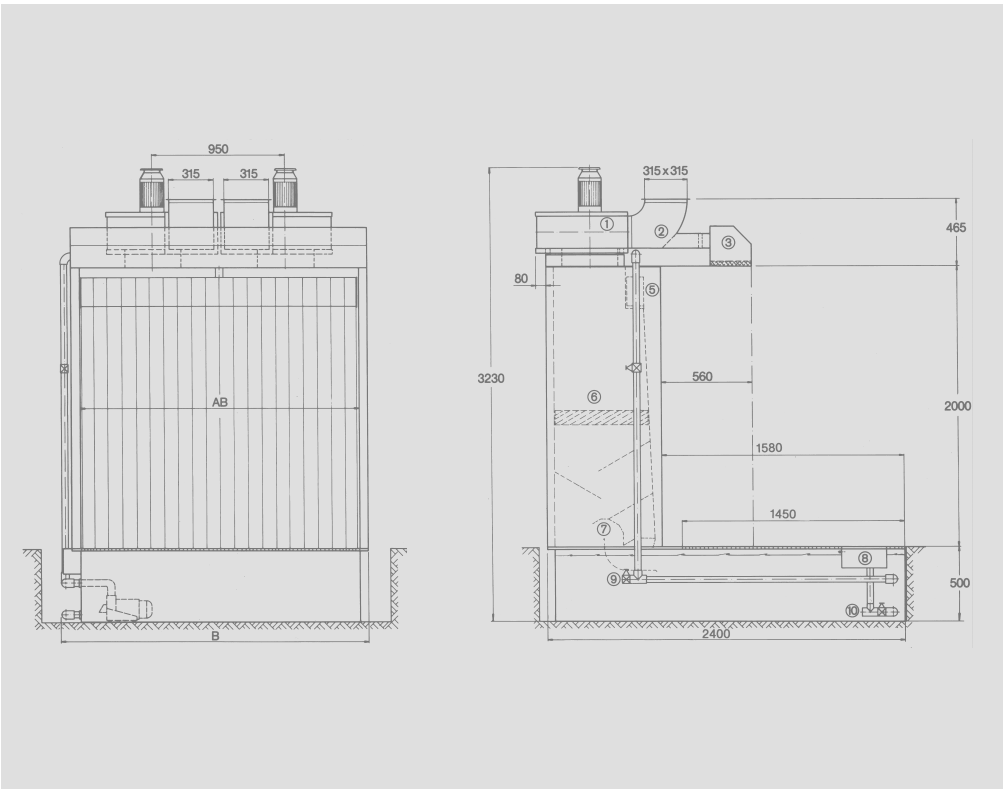
	Order no.	8820-000	8825-000	8830-000	8835-000	8840-000
Working width (AB)	mm	2000	2500	3000	3500	4000
Total width (B)	mm	2200	2700	3200	3700	4200
Waste air volume flow	m³/h	9000	10200	12000	13300	14100
Fan type, explosion-protected		KVT-400	KVT-400	KVT-400	KVT-400	KVT-400
No. of fans		2	2	3	3	3
Motor output EEx e IIT3	kW	2 x 3,6	2 x 3,6	3 x 3,6	3 x 3,6	3 x 3,6
Speed	1/min	1400	1400	1400	1400	1400
Static pressure increase	Pa	1150	1150	1150	1100	1150
Pressure reserve for waste air pipeline	Pa	250	250	250	200	250
Recommended pipe dia. for downstream waste air line	mm	630	710	800	800	900
Pump output	kW	1,1	1,1	1,1	1,1	1,1
Delivery rate	m³/h	30	30	30	30	30
Water tank capacity	m³	1,32	1,6	1,9	2,2	2,5
Illumination (ex)	W	80	80	2 x 80	2 x 80	2 x 80
Continuous sound pressure level	dB(A)	79	79	80	80	80
Weight without water approx.	kg	700	800	900	1000	1100



Spraying walls,
water-washed, underfloor

Thanks to the large-area water tank and the sturdy floor-level cover grate, the underfloor walls ensure excellent paint mist extraction even during spraying in the area of the floor. Depending on the equipping level, the grates of these units are also available in heavy-duty design for stacker operation.

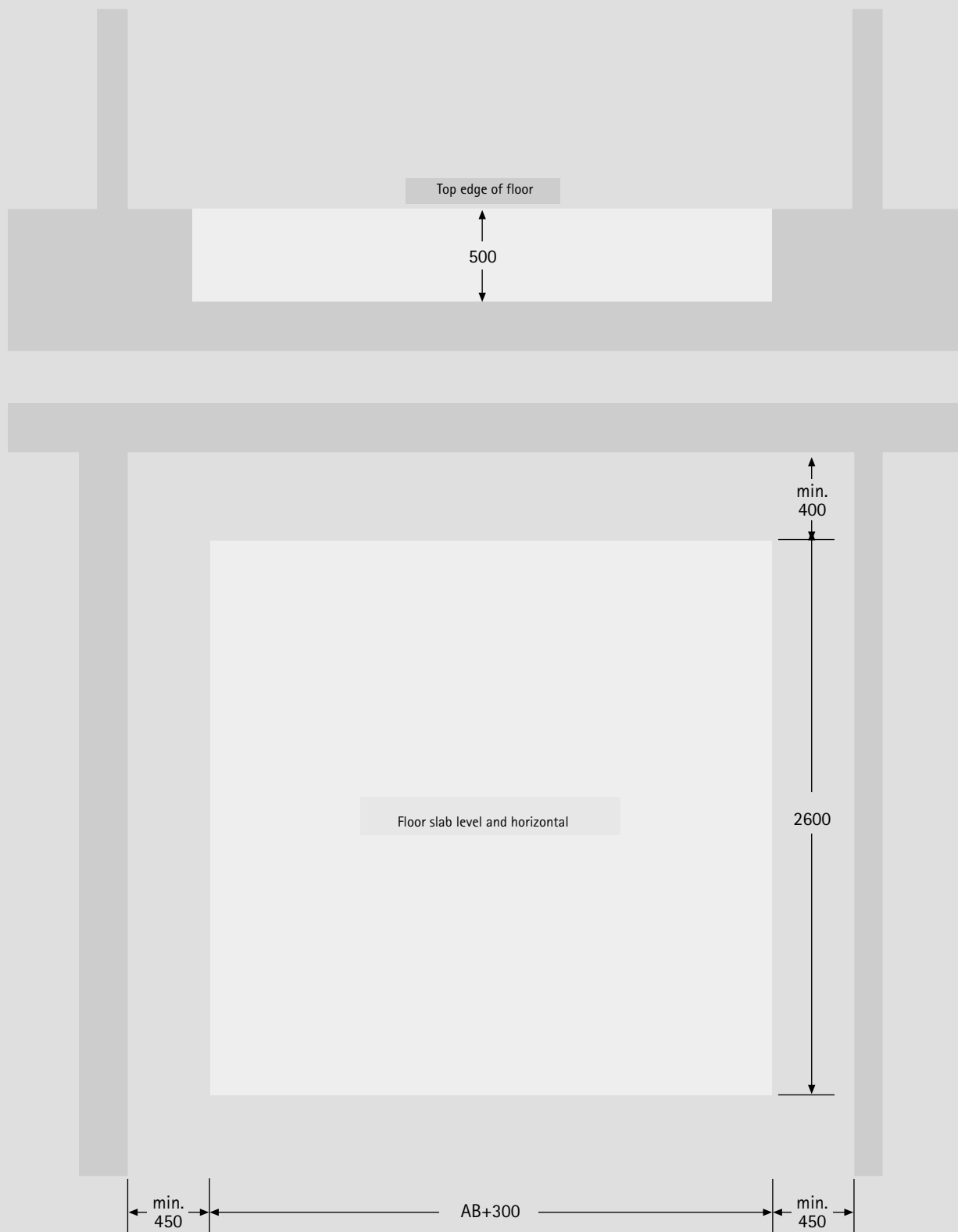
- ① Exhaust air fan
- ② Branch bend duct / Air recycling unit
- ③ Circulating air filter / Air recycling unit
- ④ Lighting
- ⑤ Water boxes
- ⑥ Drip separator
- ⑦ Washing zone
- ⑧ Water supply with water level control
- ⑨ Drain pump connection with shutoff valve
- ⑩ Water drain and overflow



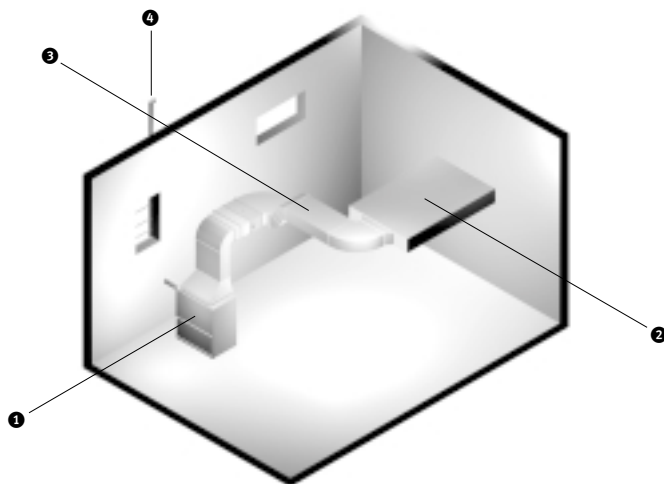
Spraying walls, water-washed, underfloor						
	Order no.	8920-000	8925-000	8930-000	8935-000	8940-000
Working width (AB)	mm	2000	2500	3000	3500	4000
Total width (B)	mm	2200	2700	3200	3700	4200
Waste air volume flow	m³/h	9500	12000	14100	16500	18700
Fan type, explosion-protected		KVT-400	KVT-400	KVT-400	KVT-400	KVT-400
No. of fans		2	2	3	3	3
Motor output EEx e IIT3	kW	2 x 3,6	2 x 3,6	3 x 3,6	3 x 3,6	3 x 3,6
Speed	1/min	1400	1400	1400	1400	1400
Static pressure increase	Pa	1150	1150	1150	1150	1150
Pressure reserve for waste air pipeline	Pa	250	250	250	250	250
Recommended pipe dia. for downstream waste air line	mm	630	800	900	900	900
Pump output	kW	1,1	1,1	1,1	1,1	1,1
Delivery rate	m³/h	30	30	30	30	30
Water tank capacity	m³	2,1	2,6	3,1	3,7	4,2
Illumination (ex)	W	80	80	2 x 80	2 x 80	2 x 80
Continuous sound pressure level	dB(A)	80	80	80	80	80
Weight without water approx.	kg	900	1000	1100	1200	1300



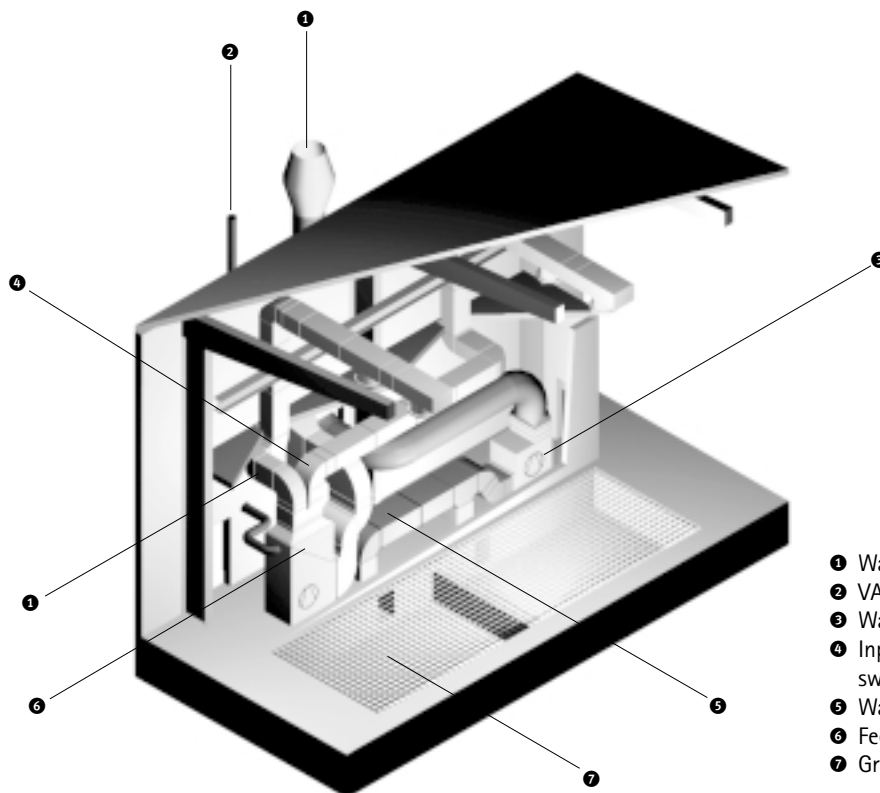
Foundation plan for underfloor systems



Input air system as extension module for spraying walls, spraying tables etc.



- ❶ Input air unit with fresh air suction for heating medium – oil, gas, warm water etc.
- ❷ Input air filter cover with rapid changeover system
- ❸ Input air duct
- ❹ Flue gas line



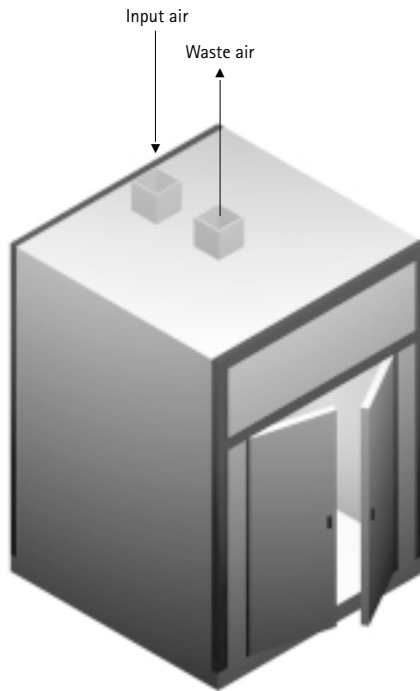
- ❶ Waste air pipe with deflector
- ❷ VA flue gas stack
- ❸ Waste air unit
- ❹ Input air distribution duct with swirl-type outlets
- ❺ Waste air collection duct
- ❻ Feed air unit
- ❼ Grid cover with filter mat supports



The recirculation drying cabinets are designed for various temperature ranges (80 °C, 150 °C and 250 °C) and can be heated using electricity or gas. The different sizes and a range of control and regulating modules as well as the various accessories make the dryers suitable for a broad spectrum of applications. The side, top and bottom elements are thermally insulated. The base is equipped with guide rails for the workpiece trolley(s), and these can be dimensioned to suit customer requirements. The single- or double-doors are equipped with safety closures.

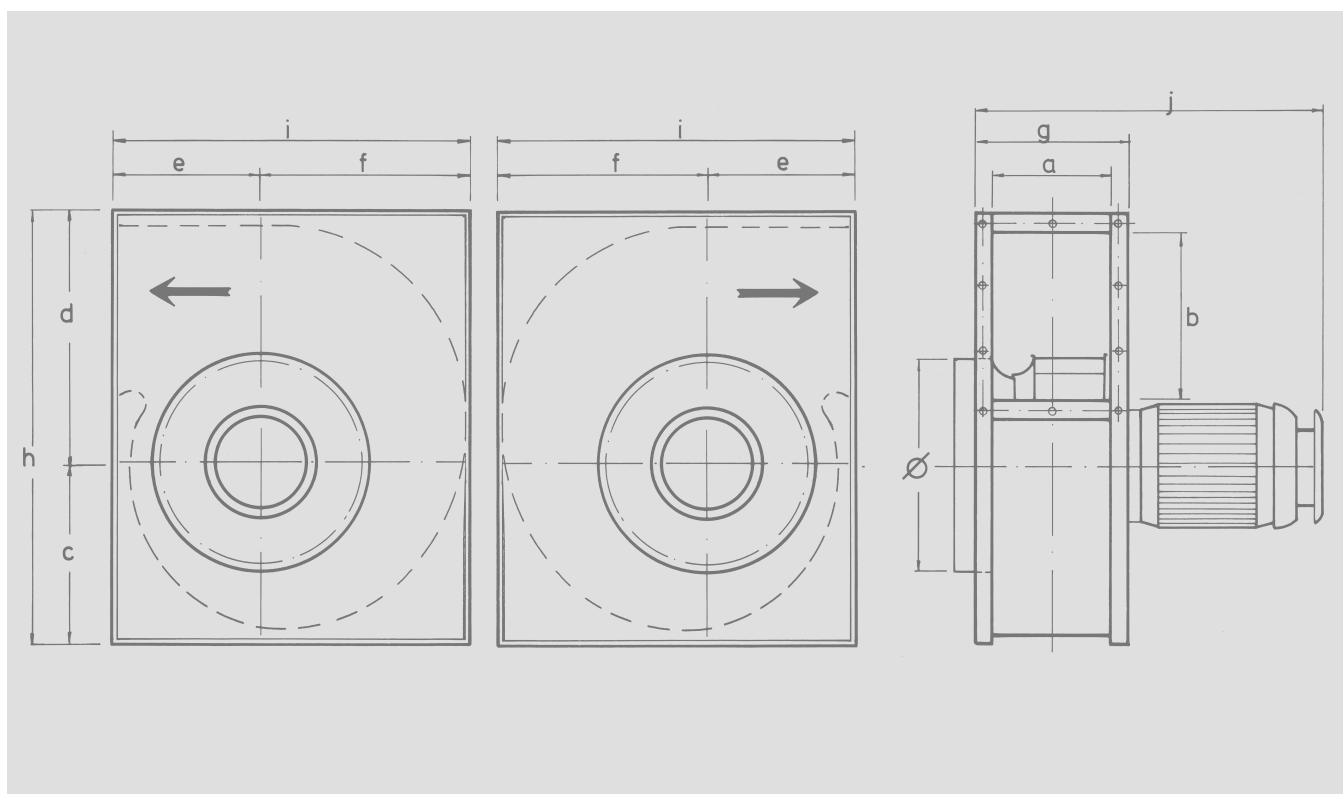
The two blind-type walls with adjustable separating and guide plates are fitted at the sides. The drying parameters can be set on an electrical control cabinet; this cabinet is also responsible for automatic control of the drying process.

The heating elements of the electrically heated dryers are fitted with contact-less circuits. The burner of the gas-heated system is controlled by a digital step-type regulator.



Fresh air input is via an air filter; the actuation flap is activated automatically. The waste air connection is fitted with a manual actuation flap. The fresh air volume is adjustable. Depending on size and local conditions, the drying cabinet is either delivered in pre-assembled state or supplied as several parts.

Type designation	Operating chamber, mm	
	B x T x H	
KKT 918	900 x 1800 x 1800	
KKT 924	900 x 2400 x 1800	
KKT 936	900 x 3600 x 1800	
KKT 1218	1200 x 1800 x 1800	
KKT 1224	1200 x 2400 x 1800	
KKT 1236	1200 x 3600 x 1800	
KKT 1818	1800 x 1800 x 1800	
KKT 1824	1800 x 2400 x 1800	
KKT 1836	1800 x 3600 x 1800	
KKT 2418	2400 x 1800 x 1800	
KKT 2424	2400 x 2400 x 1800	
KKT 2436	2400 x 3600 x 1800	



Radial fans dimension sheet

Type		KV-315	KV-355	KV-400	KV-500	KV-501	KV-560	KV-630	KV-701	KVT-355	KVT-400	KVT-450
Order no., housing position left		090-1790	090-1792	090-1794	090-1796	090-1798	x	x	x	090-1800	090-1802	080-2280
Order no., housing position right		090-1791	090-1793	090-1795	090-1797	090-1799	x	x	x	090-1801	090-1803	080-2281
Dimensions in mm	\varnothing	315	355	400	500	500	560	630	710	355	400	450
	a	250	280	280	315	404	404	453	507	220	220	220
	b	315	400	450	450	507	715	801	898	315	315	315
	c	294	330	342	380	436	450	500	560	330	330	330
	d	440	490	516	570	614	694	776	870	470	470	470
	e	262	300	300	332	365	592	642	702	270	270	270
	f	343	385	410	453	500	554	622	700	395	395	395
	g	315	345	345	380	464	553	628	700	280	280	280
	h	748	833	871	964	1100	1144	1276	1430	805	805	805
	i	636	713	739	824	960	1146	1264	1402	676	676	676
	j	525	555	595	655	800	798	920	1086	623	630	630

x available on inquiry

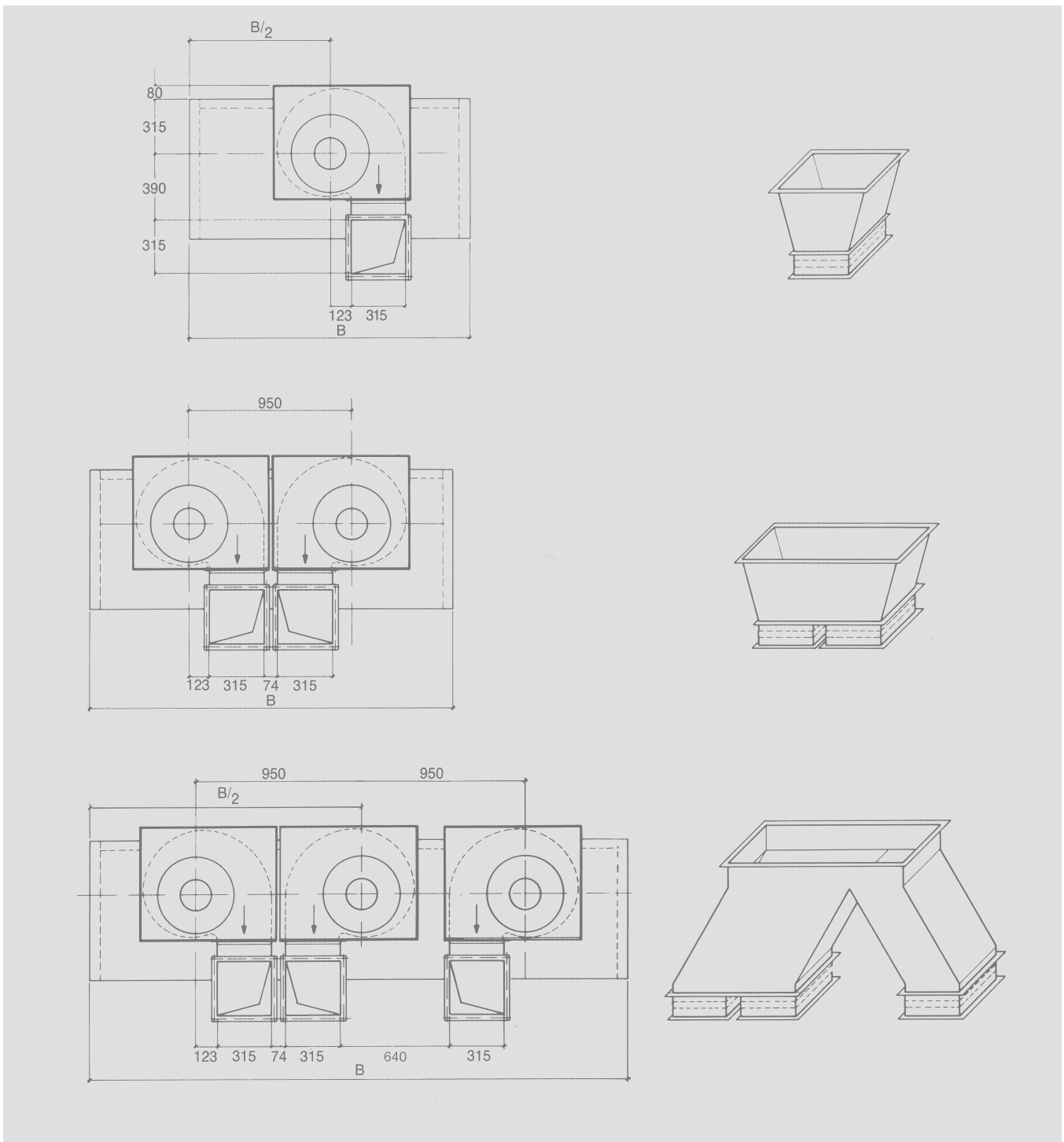


Fan housing positions

The housing positions for the radial fans shown below are generally the optimum positions for our water-washed suction units and also permit mounting of an air recycling unit.

Other fan positions are of course also possible.

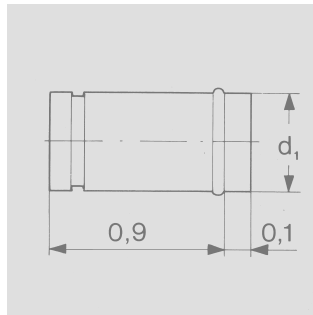
The possibility of mounting an air recycling unit should be looked into on a case to case basis.



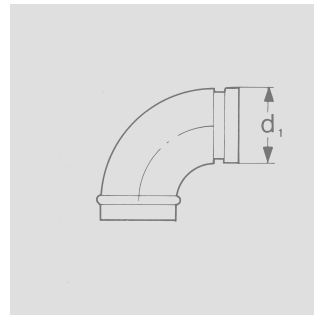


Air ducting elements round

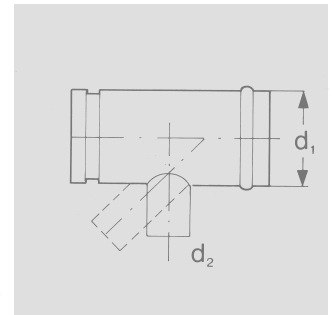
The illustrations below show standard versions. We can of course also produce elements tailored to your needs and specifications.



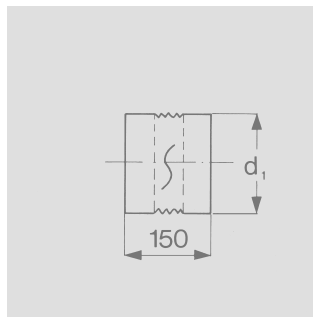
Pipe



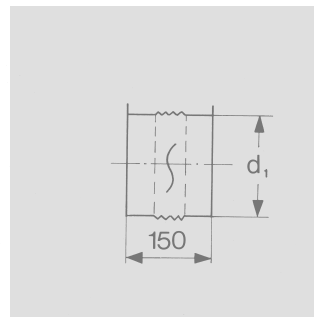
Bend



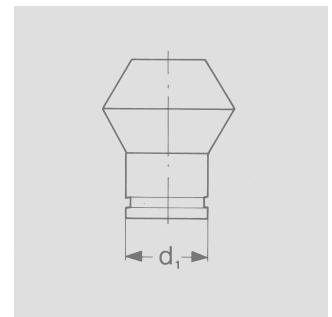
Branch pipe



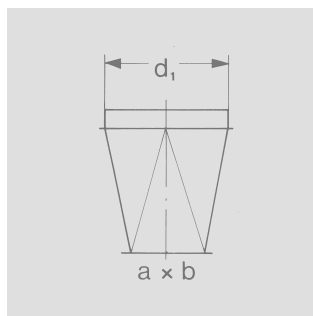
Elastic pipe A



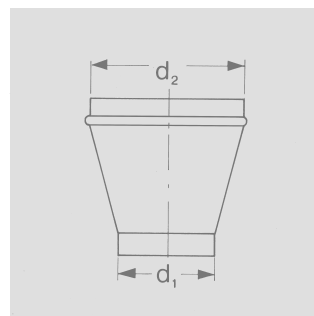
Elastic pipe B



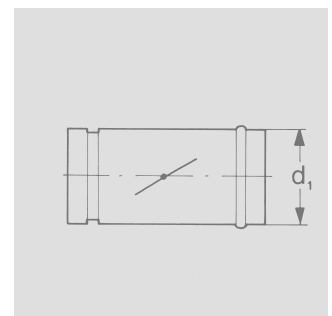
Deflector



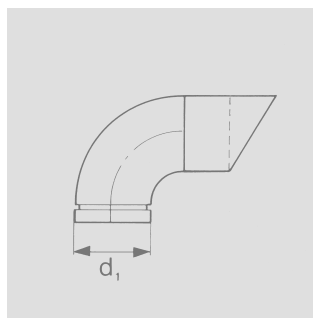
Transition piece



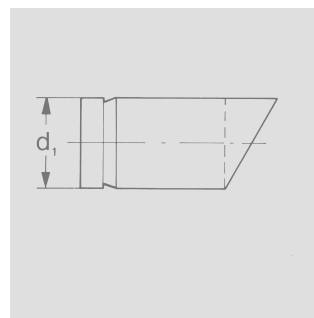
Transition pipe



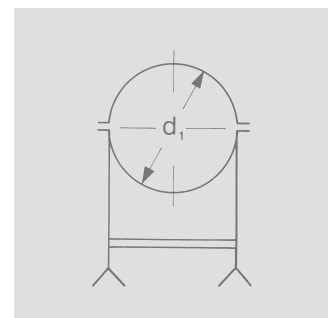
Throttle valve



Blow-out bend



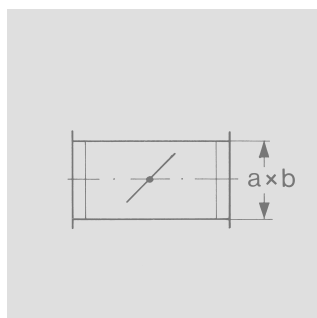
Blow-out pipe



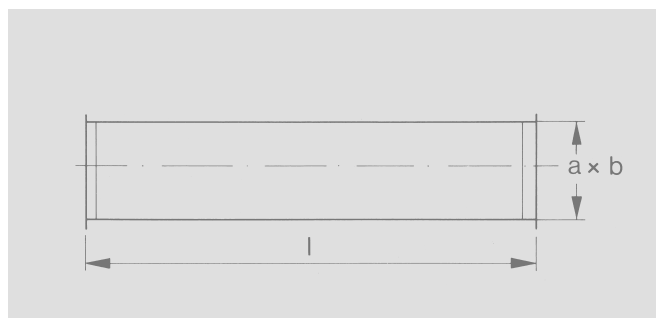
Pipe collar

**Air ducting elements
rectangular**

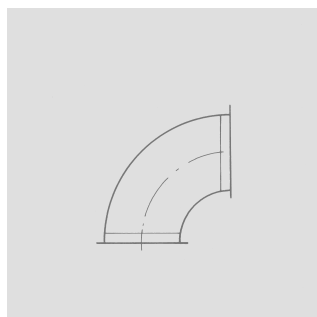
The illustrations below show standard versions. We can of course also produce elements tailored to your needs and specifications.



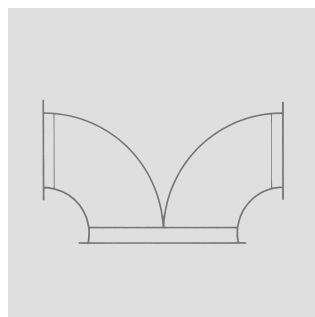
Throttle valve



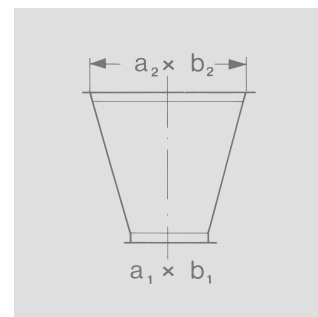
Duct



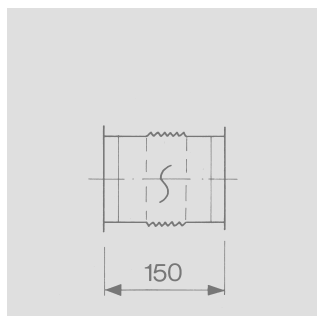
Bend duct



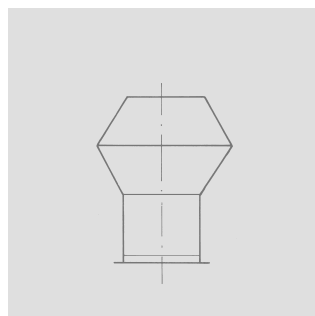
Branch duct



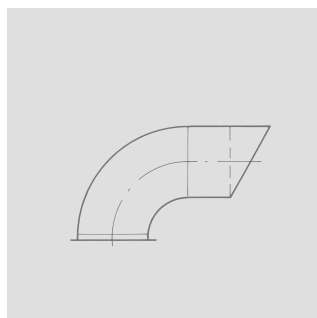
Transition duct



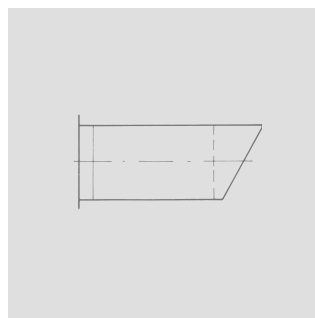
Elastic duct



Deflector

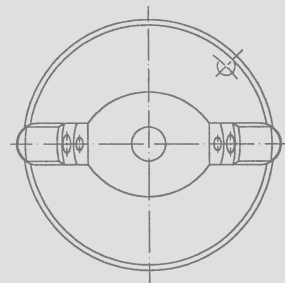


Blow-out bend duct

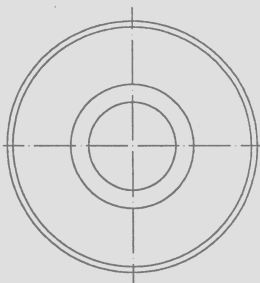


Blow-out duct

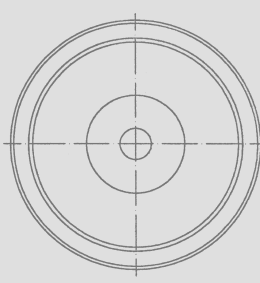




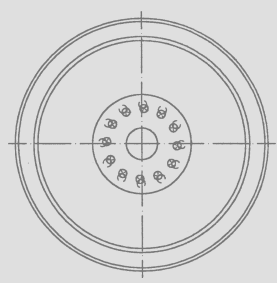
Air nozzle
Type HV3-A



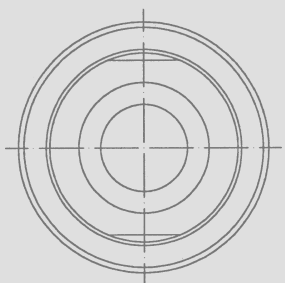
Air nozzle
Mottle Type Sp



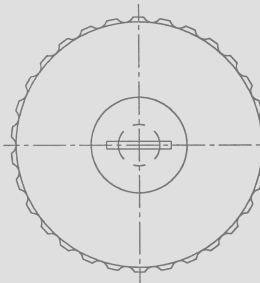
Air nozzle
Rotary jet Type DZ



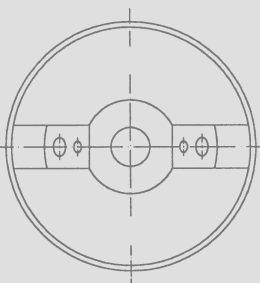
Air nozzle
Rotary jet Type DZ12



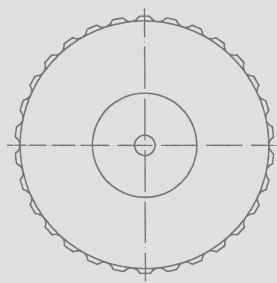
Air nozzle
DUO-H / DUO-A



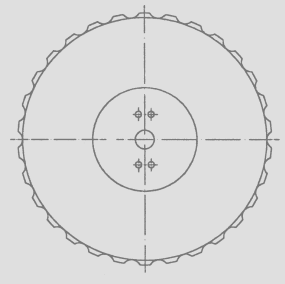
Air nozzle
Slit nozzle Type S



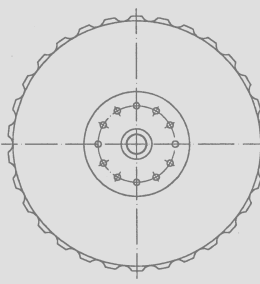
Air nozzle
Type HV1



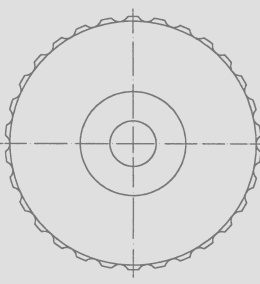
Air nozzle
Circular jet Type R



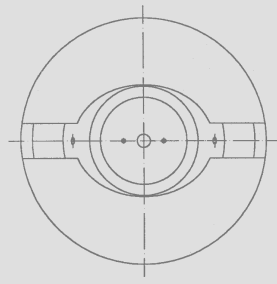
Air nozzle
Rotary jet Type DX



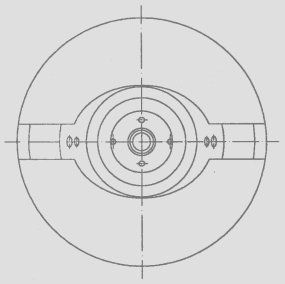
Air nozzle
Rotary jet Type DK



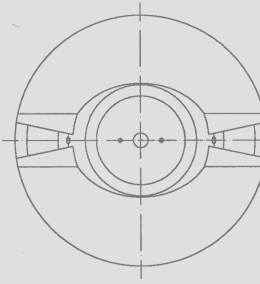
Air nozzle
Rotary jet Type DT



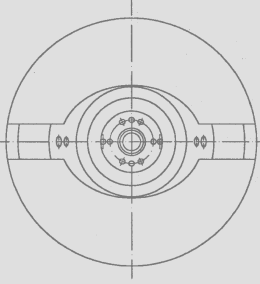
Air nozzle
Flat jet Type G



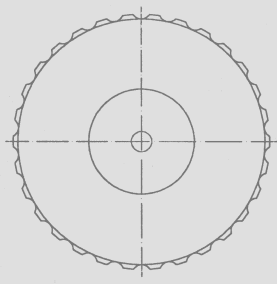
Air nozzle
Flat jet Type GG



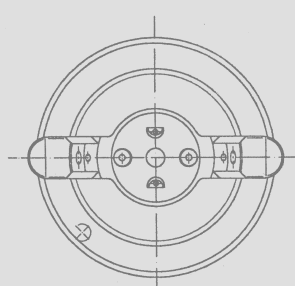
Air nozzle
Rotary jet Type G1



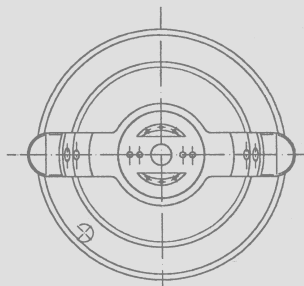
Air nozzle
Flat jet Type GG2



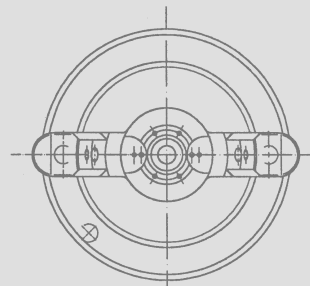
Air nozzle
Rotary jet Type D



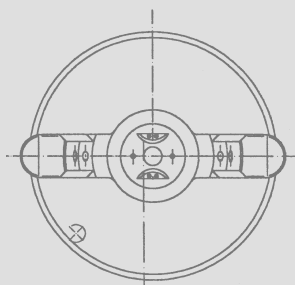
Air nozzle
Flachstrahl Typ F



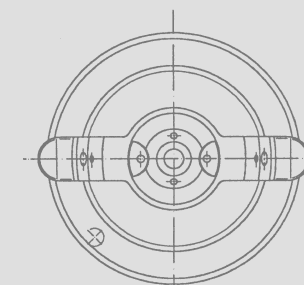
Air nozzle
Flachstrahl Typ F1



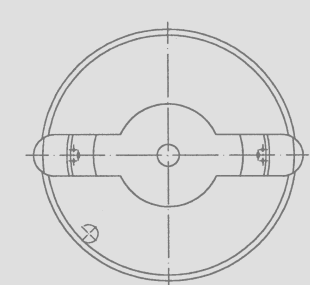
Air nozzle
Flachstrahl Typ F2



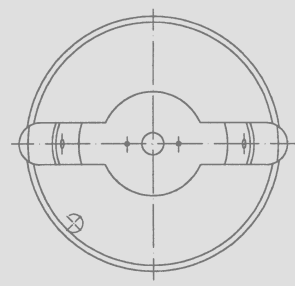
Air nozzle
Flat jet Type F4



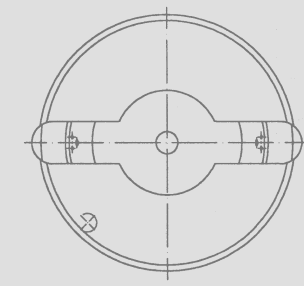
Air nozzle
Flat jet Type F6



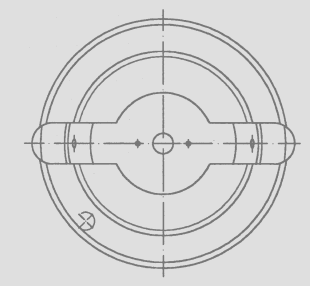
Air nozzle
Flat jet Type DE



Air nozzle
Flat jet Type C



Air nozzle
Flat jet Type E



Air nozzle
Flat jet Type DC

Spray gun			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no.			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
Material	type	mm	order no.	order no.	order no.	order no.
Aluminium / hard-coated	Flat / Circular "C"	0.50	...-060-0263	...-060-0263	-	-
Aluminium / hard-coated	Flat / Circular "C"	0.80	...-060-0264	...-060-0264	-	-
Aluminium / hard-coated	Flat / Circular "C"	1.00	...-060-0350	...-060-0350	-	-
Aluminium / hard-coated	Flat / Circular "F"	0.30	...-060-0258	...-060-0258	-	-
Aluminium / hard-coated	Flat / Circular "F"	0.50	...-060-0021	...-060-0021	-	-
Aluminium / hard-coated	Flat / Circular "F"	0.80	...-060-0022	...-060-0022	-	-
Aluminium / hard-coated	Flat / Circular "F"	1.00	...-060-0023	...-060-0023	-	-
Aluminium / hard-coated	Flat / Circular "F"	1.20	...-060-0024	...-060-0024	-	-
Aluminium / hard-coated	Flat / Circular "F"	1.50	...-060-0026	...-060-0026	-	-
Aluminium / hard-coated	Flat / Circular "F"	1.80	...-060-0027	...-060-0027	-	-
Aluminium / hard-coated	Flat / Circular "F"	2.00	...-060-0028	...-060-0028	-	-
Aluminium / hard-coated	Flat / Circular "F"	2.20	...-060-0029	...-060-0029	-	-
Aluminium / hard-coated	Flat / Circular "F"	2.50	...-060-0030	...-060-0030	-	-
Aluminium / hard-coated	Flat / Circular "F"	3.00	...-060-0031	...-060-0031	-	-
Stainless steel	Circular "R"	0.30	-	-	...-060-0178	-
Stainless steel	Circular "R"	0.50	-	-	...-060-0179	-
Stainless steel	Circular "R"	0.65	-	-	...-060-0180	-
Stainless steel	Circular "R"	0.80	-	-	...-060-0181	-
Stainless steel	Circular "R"	1.00	-	-	...-060-0182	-
Stainless steel	Circular "R"	1.20	-	-	...-060-0183	-
Stainless steel	Circular "R"	1.50	-	-	...-060-0184	-
Stainless steel	Circular "R"	1.80	-	-	...-060-0185	-
Stainless steel	Circular "R"	2.00	-	-	...-060-0186	-
Stainless steel	Circular "R"	2.50	-	-	...-060-0187	-
Brass, nickel-plated	Rotary jet "D"	1.80	...-060-0268	...-060-0268	-	-
Brass, PTFE	Flat / Circular "C"	0.50	...-060-0565	...-060-0565	-	-
Brass, PTFE	Flat / Circular "C"	0.80	...-060-0566	...-060-0566	-	-
Brass, PTFE	Flat / Circular "C"	1.00	...-060-0567	...-060-0567	-	-
Brass, PTFE	Flat / Circular "C"	1.20	...-060-0568	...-060-0568	-	-
Brass, PTFE	Flat / Circular "C"	1.50	...-060-0569	...-060-0569	-	-
Brass, PTFE	Flat / Circular "C"	1.80	...-060-0570	...-060-0570	-	-
Brass, PTFE	Flat / Circular "C"	2.00	...-060-0571	...-060-0571	-	-
Brass, PTFE	Flat / Circular "C"	2.50	...-060-0572	...-060-0572	-	-
Brass, PTFE	Flat / Circular "C"	3.00	...-060-0573	...-060-0573	-	-
Brass, PTFE	Flat / Circular "C"	3.50	...-060-0574	...-060-0574	-	-
Brass, PTFE	Flat / Circular "C"	4.50	...-060-0575	...-060-0575	-	-
Brass, PTFE	Flat / Circular "C"	6.00	...-060-0576	...-060-0576	-	-
Brass, PTFE	Flat / Circular "DC"	0.50	...-060-0588	...-060-0588	-	-
Brass, PTFE	Flat / Circular "DC"	0.80	...-060-0589	...-060-0589	-	-
Brass, PTFE	Flat / Circular "DC"	1.00	...-060-0643	...-060-0643	-	-
Brass, PTFE	Flat / Circular "DC"	1.20	...-060-0590	...-060-0590	-	-
Brass, PTFE	Flat / Circular "DC"	1.50	...-060-0591	...-060-0591	-	-
Brass, PTFE	Flat / Circular "DC"	1.80	...-060-0592	...-060-0592	-	-
Brass, PTFE	Flat / Circular "DC"	2.00	...-060-0593	...-060-0593	-	-
Brass, PTFE	Flat / Circular "DC"	2.50	...-060-0594	...-060-0594	-	-
Brass, PTFE	Flat / Circular "DC"	3.00	...-060-0595	...-060-0595	-	-
Brass, PTFE	Flat / Circular "DC"	3.50	...-060-0596	...-060-0596	-	-
Brass, PTFE	Flat / Circular "DC"	4.50	...-060-0597	...-060-0597	-	-
Brass, PTFE	Flat / Circular "DC"	6.00	...-060-0598	...-060-0598	-	-
Brass, PTFE	Flat / Circular "DE"	0.50	...-060-0599	...-060-0599	-	-

Hand-held spray guns,
classified by material

Spray gun			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no.			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
Material	type	mm	order no.	order no.	order no.	order no.
Brass, PTFE	Flat / Circular "DE"	0.80	...-060-0600	...-060-0600	-	-
Brass, PTFE	Flat / Circular "DE"	1.00	...-060-0601	...-060-0601	-	-
Brass, PTFE	Flat / Circular "DE"	1.20	...-060-0602	...-060-0602	-	-
Brass, PTFE	Flat / Circular "DE"	1.50	...-060-0603	...-060-0603	-	-
Brass, PTFE	Flat / Circular "DE"	1.80	...-060-0604	...-060-0604	-	-
Brass, PTFE	Flat / Circular "DE"	2.00	...-060-0605	...-060-0605	-	-
Brass, PTFE	Flat / Circular "DE"	2.50	...-060-0606	...-060-0606	-	-
Brass, PTFE	Flat / Circular "DE"	3.00	...-060-0607	...-060-0607	-	-
Brass, PTFE	Flat / Circular "DE"	3.50	...-060-0608	...-060-0608	-	-
Brass, PTFE	Flat / Circular "E"	0.30	...-060-0577	...-060-0577	-	-
Brass, PTFE	Flat / Circular "E"	0.50	...-060-0578	...-060-0578	-	-
Brass, PTFE	Flat / Circular "E"	0.80	...-060-0579	...-060-0579	-	-
Brass, PTFE	Flat / Circular "E"	1.00	...-060-0580	...-060-0580	-	-
Brass, PTFE	Flat / Circular "E"	1.20	...-060-0581	...-060-0581	-	-
Brass, PTFE	Flat / Circular "E"	1.50	...-060-0582	...-060-0582	-	-
Brass, PTFE	Flat / Circular "E"	1.80	...-060-0583	...-060-0583	-	-
Brass, PTFE	Flat / Circular "E"	2.00	...-060-0584	...-060-0584	-	-
Brass, PTFE	Flat / Circular "E"	2.50	...-060-0585	...-060-0585	-	-
Brass, PTFE	Flat / Circular "E"	3.00	...-060-0586	...-060-0586	-	-
Brass, PTFE	Flat / Circular "E"	3.50	...-060-0587	...-060-0587	-	-
Brass, PTFE	Flat / Circular "F"	0.30	...-060-0554	...-060-0554	-	-
Brass, PTFE	Flat / Circular "F"	0.50	...-060-0555	...-060-0555	-	-
Brass, PTFE	Flat / Circular "F"	0.80	...-060-0556	...-060-0556	-	-
Brass, PTFE	Flat / Circular "F"	1.00	...-060-0557	...-060-0557	-	-
Brass, PTFE	Flat / Circular "F"	1.20	...-060-0558	...-060-0558	-	-
Brass, PTFE	Flat / Circular "F"	1.50	...-060-0559	...-060-0559	-	-
Brass, PTFE	Flat / Circular "F"	1.80	...-060-0560	...-060-0560	-	-
Brass, PTFE	Flat / Circular "F"	2.00	...-060-0561	...-060-0561	-	-
Brass, PTFE	Flat / Circular "F"	2.20	...-060-0562	...-060-0562	-	-
Brass, PTFE	Flat / Circular "F"	2.50	...-060-0563	...-060-0563	-	-
Brass, PTFE	Flat / Circular "F"	3.00	...-060-0564	...-060-0564	-	-
Brass, PTFE	Flat / Circular "F1"	0.80	...-060-0634	...-060-0634	-	-
Brass, PTFE	Flat / Circular "F1"	1.00	...-060-0635	...-060-0635	-	-
Brass, PTFE	Flat / Circular "F1"	1.20	...-060-0636	...-060-0636	-	-
Brass, PTFE	Flat / Circular "F1"	1.50	...-060-0637	...-060-0637	-	-
Brass, PTFE	Flat / Circular "F1"	1.80	...-060-0638	...-060-0638	-	-
Brass, PTFE	Flat / Circular "F1"	2.00	...-060-0639	...-060-0639	-	-
Brass, PTFE	Flat / Circular "F1"	2.20	...-060-0640	...-060-0640	-	-
Brass, PTFE	Flat / Circular "F1"	2.50	...-060-0641	...-060-0641	-	-
Brass, PTFE	Flat / Circular "F1"	3.00	...-060-0642	...-060-0642	-	-
Brass, PTFE	Flat / Circular "F2"	0.50	...-060-0609	...-060-0609	-	-
Brass, PTFE	Flat / Circular "F2"	0.80	...-060-0610	...-060-0610	-	-
Brass, PTFE	Flat / Circular "F2"	1.00	...-060-0611	...-060-0611	-	-
Brass, PTFE	Flat / Circular "F2"	1.20	...-060-0612	...-060-0612	-	-
Brass, PTFE	Flat / Circular "F2"	1.50	...-060-0613	...-060-0613	-	-
Brass, PTFE	Flat / Circular "F2"	1.80	...-060-0614	...-060-0614	-	-
Brass, PTFE	Flat / Circular "F2"	2.00	...-060-0615	...-060-0615	-	-
Brass, PTFE	Flat / Circular "F2"	2.20	...-060-0616	...-060-0616	-	-
Brass, PTFE	Flat / Circular "F2"	2.50	...-060-0617	...-060-0617	-	-
Brass, PTFE	Flat / Circular "F4"	0.50	...-060-0618	...-060-0618	-	-
Brass, PTFE	Flat / Circular "F4"	0.80	...-060-0619	...-060-0619	-	-
Brass, PTFE	Flat / Circular "F4"	1.00	...-060-0620	...-060-0620	-	-
Brass, PTFE	Flat / Circular "F4"	1.20	...-060-0621	...-060-0621	-	-

Spray gun			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no.			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
Material	type	mm	order no.	order no.	order no.	order no.
Brass, PTFE	Flat / Circular "F4"	1.50	...-060-0622	...-060-0622	-	-
Brass, PTFE	Flat / Circular "F4"	1.80	...-060-0623	...-060-0623	-	-
Brass, PTFE	Flat / Circular "F4"	2.00	...-060-0624	...-060-0624	-	-
Brass, PTFE	Flat / Circular "F6"	0.50	...-060-0625	...-060-0625	-	-
Brass, PTFE	Flat / Circular "F6"	0.80	...-060-0626	...-060-0626	-	-
Brass, PTFE	Flat / Circular "F6"	1.00	...-060-0627	...-060-0627	-	-
Brass, PTFE	Flat / Circular "F6"	1.20	...-060-0628	...-060-0628	-	-
Brass, PTFE	Flat / Circular "F6"	1.50	...-060-0629	...-060-0629	-	-
Brass, PTFE	Flat / Circular "F6"	1.80	...-060-0630	...-060-0630	-	-
Brass, PTFE	Flat / Circular "F6"	2.00	...-060-0631	...-060-0631	-	-
Brass, PTFE	Flat / Circular "F6"	2.20	...-060-0632	...-060-0632	-	-
Brass, PTFE	Flat / Circular "F6"	2.50	...-060-0633	...-060-0633	-	-
Brass, nickel-pl.	Rotary jet "D"	0.50	...-060-0083	...-060-0083	-	-
Brass, nickel-pl.	Rotary jet "D"	0.80	...-060-0084	...-060-0084	...-060-0410	...-060-0410
Brass, nickel-pl.	Rotary jet "D"	1.00	...-060-0085	...-060-0085	...-060-0411	...-060-0411
Brass, nickel-pl.	Rotary jet "D"	1.20	...-060-0086	...-060-0086	...-060-0265	...-060-0265
Brass, nickel-pl.	Rotary jet "D"	1.50	...-060-0087	...-060-0087	...-060-0412	...-060-0412
Brass, nickel-pl.	Rotary jet "D"	1.80	...-060-0088	...-060-0088	...-060-0413	...-060-0413
Brass, nickel-pl.	Rotary jet "D"	2.00	...-060-0089	...-060-0089	...-060-0414	...-060-0414
Brass, nickel-pl.	Rotary jet "D"	2.50	...-060-0090	...-060-0090	...-060-0415	...-060-0415
Brass, nickel-pl.	Rotary jet "D"	3.00	...-060-0091	...-060-0091	-	-
Brass, nickel-pl.	Rotary jet "D"	3.50	...-060-0092	...-060-0092	-	-
Brass, nickel-pl.	Rotary jet "D"	4.50	...-060-0093	...-060-0093	-	-
Brass, nickel-pl.	Rotary jet "D"	6.00	...-060-0094	...-060-0094	-	-
Brass, nickel-pl.	Rotary jet "DK"	0.50	...-060-0046	...-060-0046	-	-
Brass, nickel-pl.	Rotary jet "DK"	0.80	...-060-0047	...-060-0047	-	-
Brass, nickel-pl.	Rotary jet "DK"	1.00	...-060-0048	...-060-0048	-	-
Brass, nickel-pl.	Rotary jet "DK"	1.20	...-060-0049	...-060-0049	-	-
Brass, nickel-pl.	Rotary jet "DK"	1.50	...-060-0050	...-060-0050	-	-
Brass, nickel-pl.	Rotary jet "DK"	1.80	...-060-0051	...-060-0051	-	-
Brass, nickel-pl.	Rotary jet "DK"	2.00	...-060-0052	...-060-0052	-	-
Brass, nickel-pl.	Rotary jet "DK"	2.50	...-060-0053	...-060-0053	-	-
Brass, nickel-pl.	Rotary jet "DK"	3.00	...-060-0054	...-060-0054	-	-
Brass, nickel-pl.	Rotary jet "DK"	3.50	...-060-0055	...-060-0055	-	-
Brass, nickel-pl.	Rotary jet "DK"	4.50	...-060-0056	...-060-0056	-	-
Brass, nickel-pl.	Rotary jet "DK"	6.00	...-060-0057	...-060-0057	-	-
Brass, nickel-pl.	Rotary jet "DT"	1.50	...-060-0226	...-060-0226	-	-
Brass, nickel-pl.	Rotary jet "DT"	2.50	...-060-0416	...-060-0416	-	-
Brass, nickel-pl.	Rotary jet "DX"	0.50	...-060-0058	...-060-0058	-	-
Brass, nickel-pl.	Rotary jet "DX"	0.80	...-060-0059	...-060-0059	-	-
Brass, nickel-pl.	Rotary jet "DX"	1.00	...-060-0060	...-060-0060	-	-
Brass, nickel-pl.	Rotary jet "DX"	1.20	...-060-0061	...-060-0061	-	-
Brass, nickel-pl.	Rotary jet "DX"	1.50	...-060-0062	...-060-0062	-	-
Brass, nickel-pl.	Rotary jet "DX"	1.80	...-060-0063	...-060-0063	-	-
Brass, nickel-pl.	Rotary jet "DX"	2.00	...-060-0064	...-060-0064	-	-
Brass, nickel-pl.	Rotary jet "DX"	2.50	...-060-0065	...-060-0065	-	-
Brass, nickel-pl.	Rotary jet "DX"	3.00	...-060-0066	...-060-0066	-	-
Brass, nickel-pl.	Rotary jet "DX"	3.50	...-060-0067	...-060-0067	-	-
Brass, nickel-pl.	Rotary jet "DX"	4.50	...-060-0068	...-060-0068	-	-
Brass, nickel-pl.	Rotary jet "DX"	6.00	...-060-0069	...-060-0069	-	-
Brass, nickel-pl.	Rotary jet "DZ 12"	0.30 - 2.50	...-060-0682	...-060-0682	-	-
Brass, nickel-pl.	Rotary jet "DZ 6"	0.30 - 2.50	...-060-0693	...-060-0693	-	-

Hand-held spray guns,
classified by material

Spray gun			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no.			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
Material	type	mm	order no.	order no.	order no.	order no.
Brass, nickel-pl.	Rotary jet "DZ 8"	0.30 - 2.50	...-060-0695	...-060-0695	-	-
Brass, nickel-pl.	Rotary jet "DZ"	0.30 - 2.50	...-060-0020	...-060-0020	-	-
Brass, nickel-pl.	Flat / Circular	0.30	-	-	...-060-0142	...-060-0142
Brass, nickel-pl.	Flat / Circular	0.50	-	-	...-060-0143	...-060-0143
Brass, nickel-pl.	Flat / Circular	0.65	-	-	...-060-0144	...-060-0144
Brass, nickel-pl.	Flat / Circular	0.80	-	-	...-060-0145	...-060-0145
Brass, nickel-pl.	Flat / Circular	1.00	-	-	...-060-0146	...-060-0146
Brass, nickel-pl.	Flat / Circular	1.20	-	-	...-060-0147	...-060-0147
Brass, nickel-pl.	Flat / Circular	1.50	-	-	...-060-0148	...-060-0148
Brass, nickel-pl.	Flat / Circular	1.80	-	-	...-060-0149	...-060-0149
Brass, nickel-pl.	Flat / Circular "B"	0.30	-	-	...-060-0501	...-060-0501
Brass, nickel-pl.	Flat / Circular "B"	0.50	-	-	...-060-0502	...-060-0502
Brass, nickel-pl.	Flat / Circular "B"	0.65	-	-	...-060-0503	...-060-0503
Brass, nickel-pl.	Flat / Circular "B"	0.80	-	-	...-060-0505	...-060-0505
Brass, nickel-pl.	Flat / Circular "B"	1.00	-	-	...-060-0349	...-060-0349
Brass, nickel-pl.	Flat / Circular "B"	1.20	-	-	...-060-0506	...-060-0506
Brass, nickel-pl.	Flat / Circular "BE"	0.65	-	-	...-060-0161	...-060-0161
Brass, nickel-pl.	Flat / Circular "C"	0.50	...-060-0351	...-060-0351	-	-
Brass, nickel-pl.	Flat / Circular "C"	0.80	...-060-0352	...-060-0352	-	-
Brass, nickel-pl.	Flat / Circular "C"	1.00	...-060-0353	...-060-0353	-	-
Brass, nickel-pl.	Flat / Circular "C"	1.20	...-060-0354	...-060-0354	-	-
Brass, nickel-pl.	Flat / Circular "C"	1.50	...-060-0355	...-060-0355	-	-
Brass, nickel-pl.	Flat / Circular "C"	1.80	...-060-0356	...-060-0356	-	-
Brass, nickel-pl.	Flat / Circular "C"	2.00	...-060-0357	...-060-0357	-	-
Brass, nickel-pl.	Flat / Circular "C"	2.50	...-060-0358	...-060-0358	-	-
Brass, nickel-pl.	Flat / Circular "C"	3.00	...-060-0359	...-060-0359	-	-
Brass, nickel-pl.	Flat / Circular "C"	3.50	...-060-0360	...-060-0360	-	-
Brass, nickel-pl.	Flat / Circular "C"	4.50	...-060-0361	...-060-0361	-	-
Brass, nickel-pl.	Flat / Circular "C"	6.00	...-060-0362	...-060-0362	-	-
Brass, nickel-pl.	Flat / Circular "DC"	0.50	...-060-0273	...-060-0273	-	-
Brass, nickel-pl.	Flat / Circular "DC"	0.80	...-060-0274	...-060-0274	-	-
Brass, nickel-pl.	Flat / Circular "DC"	1.00	...-060-0275	...-060-0275	-	-
Brass, nickel-pl.	Flat / Circular "DC"	1.20	...-060-0276	...-060-0276	...-060-0507	...-060-0507
Brass, nickel-pl.	Flat / Circular "DC"	1.50	...-060-0277	...-060-0277	-	-
Brass, nickel-pl.	Flat / Circular "DC"	1.80	...-060-0278	...-060-0278	-	-
Brass, nickel-pl.	Flat / Circular "DC"	2.00	...-060-0279	...-060-0279	-	-
Brass, nickel-pl.	Flat / Circular "DC"	2.50	...-060-0280	...-060-0280	-	-
Brass, nickel-pl.	Flat / Circular "DC"	3.00	...-060-0281	...-060-0281	-	-
Brass, nickel-pl.	Flat / Circular "DC"	3.50	...-060-0282	...-060-0282	-	-
Brass, nickel-pl.	Flat / Circular "DC"	4.50	...-060-0283	...-060-0283	-	-
Brass, nickel-pl.	Flat / Circular "DC"	6.00	...-060-0284	...-060-0284	-	-
Brass, nickel-pl.	Flat / Circular "DE"	0.50	...-060-0269	...-060-0269	-	-
Brass, nickel-pl.	Flat / Circular "DE"	0.80	...-060-0363	...-060-0363	-	-
Brass, nickel-pl.	Flat / Circular "DE"	1.00	...-060-0364	...-060-0364	-	-
Brass, nickel-pl.	Flat / Circular "DE"	1.20	...-060-0365	...-060-0365	-	-
Brass, nickel-pl.	Flat / Circular "DE"	1.50	...-060-0270	...-060-0270	-	-
Brass, nickel-pl.	Flat / Circular "DE"	1.80	...-060-0271	...-060-0271	-	-
Brass, nickel-pl.	Flat / Circular "DE"	2.00	...-060-0366	...-060-0366	-	-
Brass, nickel-pl.	Flat / Circular "DE"	2.50	...-060-0367	...-060-0367	-	-
Brass, nickel-pl.	Flat / Circular "DE"	3.00	...-060-0368	...-060-0368	-	-
Brass, nickel-pl.	Flat / Circular "DE"	3.50	...-060-0535	...-060-0535	-	-
Brass, nickel-pl.	Flat / Circular "E"	0.30	...-060-0223	...-060-0223	-	-
Brass, nickel-pl.	Flat / Circular "E"	0.50	...-060-0122	...-060-0122	-	-

Spray gun			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no.			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
Material	type	mm	order no.	order no.	order no.	order no.
Brass, nickel-pl.	Flat / Circular "E"	0.80	...-060-0123	...-060-0123	-	-
Brass, nickel-pl.	Flat / Circular "E"	1.00	...-060-0124	...-060-0124	-	-
Brass, nickel-pl.	Flat / Circular "E"	1.20	...-060-0125	...-060-0125	-	-
Brass, nickel-pl.	Flat / Circular "E"	1.50	...-060-0127	...-060-0127	-	-
Brass, nickel-pl.	Flat / Circular "E"	1.80	...-060-0128	...-060-0128	-	-
Brass, nickel-pl.	Flat / Circular "E"	2.00	...-060-0129	...-060-0129	-	-
Brass, nickel-pl.	Flat / Circular "E"	2.50	...-060-0130	...-060-0130	-	-
Brass, nickel-pl.	Flat / Circular "E"	3.00	...-060-0131	...-060-0131	-	-
Brass, nickel-pl.	Flat / Circular "E"	3.50	...-060-0132	...-060-0132	-	-
Brass, nickel-pl.	Flat / Circular "F"	0.30	...-060-0197	...-060-0197	-	-
Brass, nickel-pl.	Flat / Circular "F"	0.50	...-060-0196	...-060-0196	-	-
Brass, nickel-pl.	Flat / Circular "F"	0.80	...-060-0198	...-060-0198	-	-
Brass, nickel-pl.	Flat / Circular "F"	1.00	...-060-0199	...-060-0199	-	-
Brass, nickel-pl.	Flat / Circular "F"	1.20	...-060-0200	...-060-0200	-	-
Brass, nickel-pl.	Flat / Circular "F"	1.50	...-060-0202	...-060-0202	-	-
Brass, nickel-pl.	Flat / Circular "F"	1.80	...-060-0203	...-060-0203	-	-
Brass, nickel-pl.	Flat / Circular "F"	2.00	...-060-0204	...-060-0204	-	-
Brass, nickel-pl.	Flat / Circular "F"	2.20	...-060-0205	...-060-0205	-	-
Brass, nickel-pl.	Flat / Circular "F"	2.50	...-060-0206	...-060-0206	-	-
Brass, nickel-pl.	Flat / Circular "F"	3.00	...-060-0207	...-060-0207	-	-
Brass, nickel-pl.	Flat / Circular "F"	3.50	...-060-0689	...-060-0689	-	-
Brass, nickel-pl.	Flat / Circular "F1"	0.80	...-060-0369	...-060-0369	-	-
Brass, nickel-pl.	Flat / Circular "F1"	1.00	...-060-0377	...-060-0377	-	-
Brass, nickel-pl.	Flat / Circular "F1"	1.20	...-060-0378	...-060-0378	-	-
Brass, nickel-pl.	Flat / Circular "F1"	1.50	...-060-0379	...-060-0379	-	-
Brass, nickel-pl.	Flat / Circular "F1"	1.80	...-060-0380	...-060-0380	-	-
Brass, nickel-pl.	Flat / Circular "F1"	2.00	...-060-0381	...-060-0381	-	-
Brass, nickel-pl.	Flat / Circular "F1"	2.20	...-060-0382	...-060-0382	-	-
Brass, nickel-pl.	Flat / Circular "F1"	2.50	...-060-0383	...-060-0383	-	-
Brass, nickel-pl.	Flat / Circular "F1"	3.00	...-060-0384	...-060-0384	-	-
Brass, nickel-pl.	Flat / Circular "F2"	0.50	...-060-0228	...-060-0228	-	-
Brass, nickel-pl.	Flat / Circular "F2"	0.80	...-060-0229	...-060-0229	-	-
Brass, nickel-pl.	Flat / Circular "F2"	1.00	...-060-0230	...-060-0230	-	-
Brass, nickel-pl.	Flat / Circular "F2"	1.20	...-060-0231	...-060-0231	-	-
Brass, nickel-pl.	Flat / Circular "F2"	1.50	...-060-0233	...-060-0233	-	-
Brass, nickel-pl.	Flat / Circular "F2"	1.80	...-060-0234	...-060-0234	-	-
Brass, nickel-pl.	Flat / Circular "F2"	2.00	...-060-0235	...-060-0235	-	-
Brass, nickel-pl.	Flat / Circular "F2"	2.20	...-060-0236	...-060-0236	-	-
Brass, nickel-pl.	Flat / Circular "F2"	2.50	...-060-0237	...-060-0237	-	-
Brass, nickel-pl.	Flat / Circular "F4"	0.50	...-060-0238	...-060-0238	-	-
Brass, nickel-pl.	Flat / Circular "F4"	0.80	...-060-0239	...-060-0239	-	-
Brass, nickel-pl.	Flat / Circular "F4"	1.00	...-060-0240	...-060-0240	-	-
Brass, nickel-pl.	Flat / Circular "F4"	1.20	...-060-0241	...-060-0241	-	-
Brass, nickel-pl.	Flat / Circular "F4"	1.50	...-060-0242	...-060-0242	-	-
Brass, nickel-pl.	Flat / Circular "F4"	1.80	...-060-0243	...-060-0243	-	-
Brass, nickel-pl.	Flat / Circular "F4"	2.00	...-060-0244	...-060-0244	-	-
Brass, nickel-pl.	Flat / Circular "F6"	0.50	...-060-0009	...-060-0009	-	-
Brass, nickel-pl.	Flat / Circular "F6"	0.80	...-060-0010	...-060-0010	-	-
Brass, nickel-pl.	Flat / Circular "F6"	1.00	...-060-0011	...-060-0011	-	-
Brass, nickel-pl.	Flat / Circular "F6"	1.20	...-060-0012	...-060-0012	-	-
Brass, nickel-pl.	Flat / Circular "F6"	1.50	...-060-0014	...-060-0014	-	-
Brass, nickel-pl.	Flat / Circular "F6"	1.80	...-060-0015	...-060-0015	-	-
Brass, nickel-pl.	Flat / Circular "F6"	2.00	...-060-0016	...-060-0016	-	-

Hand-held spray guns,
classified by material

Spray gun			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no.			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
Material	type	mm	order no.	order no.	order no.	order no.
Brass, nickel-pl.	Flat / Circular "F6"	2.20	...-060-0017	...-060-0017	-	-
Brass, nickel-pl.	Flat / Circular "F6"	2.50	...-060-0018	...-060-0018	-	-
Brass, nickel-pl.	Flat / Circular "G"	1.00	...-060-0324	...-060-0324	-	-
Brass, nickel-pl.	Flat / Circular "G"	1.20	...-060-0325	...-060-0325	-	-
Brass, nickel-pl.	Flat / Circular "G"	1.50	...-060-0326	...-060-0326	-	-
Brass, nickel-pl.	Flat / Circular "G"	1.80	...-060-0327	...-060-0327	-	-
Brass, nickel-pl.	Flat / Circular "G"	2.00	...-060-0328	...-060-0328	-	-
Brass, nickel-pl.	Flat / Circular "G"	2.50	...-060-0329	...-060-0329	-	-
Brass, nickel-pl.	Flat / Circular "G"	3.50	...-060-0434	...-060-0434	-	-
Brass, nickel-pl.	Flat / Circular "G1"	0.80	...-060-0336	...-060-0336	-	-
Brass, nickel-pl.	Flat / Circular "G1"	1.00	...-060-0337	...-060-0337	-	-
Brass, nickel-pl.	Flat / Circular "G1"	1.20	...-060-0432	...-060-0432	-	-
Brass, nickel-pl.	Flat / Circular "G1"	1.80	...-060-0338	...-060-0338	-	-
Brass, nickel-pl.	Flat / Circular "GG"	1.50	...-060-0330	...-060-0330	-	-
Brass, nickel-pl.	Flat / Circular "GG"	1.80	...-060-0331	...-060-0331	-	-
Brass, nickel-pl.	Flat / Circular "GG"	2.00	...-060-0332	...-060-0332	-	-
Brass, nickel-pl.	Flat / Circular "GG"	2.20	...-060-0333	...-060-0333	-	-
Brass, nickel-pl.	Flat / Circular "GG"	2.50	...-060-0334	...-060-0334	-	-
Brass, nickel-pl.	Flat / Circular "GG"	3.00	...-060-0335	...-060-0335	-	-
Brass, nickel-pl.	Flat / Circular "GG2"	1.50	...-060-0339	...-060-0339	-	-
Brass, nickel-pl.	Flat / Circular "GG2"	1.80	...-060-0340	...-060-0340	-	-
Brass, nickel-pl.	Flat / Circular "GG2"	2.00	...-060-0341	...-060-0341	-	-
Brass, nickel-pl.	Flat / Circular "K"	0.30	-	-	...-060-0838	-
Brass, nickel-pl.	Flat / Circular "K"	0.50	-	-	...-060-0839	-
Brass, nickel-pl.	Flat / Circular "K"	0.65	-	-	...-060-0840	-
Brass, nickel-pl.	Flat / Circular "K"	0.80	-	-	...-060-0841	-
Brass, nickel-pl.	Flat / Circular "K"	1.00	-	-	...-060-0842	-
Brass, nickel-pl.	Flat / Circular "K"	1.20	-	-	...-060-0843	-
Brass, nickel-pl.	Flat / Circular "K"	1.50	-	-	...-060-0844	-
Brass, nickel-pl.	Flat / Circular "K"	1.80	-	-	...-060-0845	-
Brass, nickel-pl.	Flat / Circular "K"	2.00	-	-	...-060-0846	-
Brass, nickel-pl.	Flat / Circular "KOB"	0.30	-	-	-	-
Brass, nickel-pl.	Flat / Circular "KOB"	0.50	-	-	-	-
Brass, nickel-pl.	Flat / Circular "KOS"	0.30	-	-	-	-
Brass, nickel-pl.	Flat / Circular "KOS"	0.50	-	-	-	-
Brass, nickel-pl.	Flat / Circular "MC"	0.30	-	-	...-060-0847	...-060-0774
Brass, nickel-pl.	Flat / Circular "MC"	0.50	-	-	...-060-0848	...-060-0775
Brass, nickel-pl.	Flat / Circular "MC"	0.65	-	-	...-060-0849	...-060-0776
Brass, nickel-pl.	Flat / Circular "MC"	0.80	-	-	...-060-0850	...-060-0777
Brass, nickel-pl.	Flat / Circular "MC"	1.00	-	-	...-060-0851	...-060-0778
Brass, nickel-pl.	Flat / Circular "MC"	1.20	-	-	...-060-0852	...-060-0779
Brass, nickel-pl.	Flat / Circular "MC"	1.50	-	-	...-060-0853	...-060-0780
Brass, nickel-pl.	Flat / Circular "MC"	1.80	-	-	...-060-0854	...-060-0781
Brass, nickel-pl.	Flat / Circular "MC"	2.00	-	-	...-060-0856	...-060-0855
Brass, nickel-pl.	Flat / Circular "S"	1.80	-	-	...-060-0756	...-060-0765
Brass, nickel-pl.	Flat / Circular "T"	0.30	-	-	...-060-0272	...-060-0272
Brass, nickel-pl.	Flat / Circular "T"	0.50	-	-	...-060-0323	...-060-0323
Brass, nickel-pl.	Flat / Circular "T"	0.65	-	-	...-060-0504	...-060-0504
Brass, nickel-pl.	Flat / Circular "T"	1.00	-	-	...-060-0348	...-060-0348
Brass, nickel-pl.	High-cone rotary jet "HD"	0.30 - 0.80	-	-	...-060-0509	...-060-0691
Brass, nickel-pl.	Circular "R"	0.30	...-060-0515	...-060-0515	...-060-0150	...-060-0395
Brass, nickel-pl.	Circular "R"	0.50	...-060-0070	...-060-0070	...-060-0151	...-060-0396
Brass, nickel-pl.	Circular "R"	0.65	-	-	...-060-0152	...-060-0397

Hand-held spray guns,
classified by material

Spray gun			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no.			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
Material	type	mm	order no.	order no.	order no.	order no.
Brass, nickel-pl.	Circular "R"	0.80	...-060-0071	...-060-0071	...-060-0153	...-060-0398
Brass, nickel-pl.	Circular "R"	1.00	...-060-0072	...-060-0072	...-060-0154	...-060-0399
Brass, nickel-pl.	Circular "R"	1.20	...-060-0073	...-060-0073	...-060-0155	...-060-0400
Brass, nickel-pl.	Circular "R"	1.50	...-060-0075	...-060-0075	...-060-0156	...-060-0401
Brass, nickel-pl.	Circular "R"	1.80	...-060-0076	...-060-0076	...-060-0157	...-060-0402
Brass, nickel-pl.	Circular "R"	2.00	...-060-0077	...-060-0077	...-060-0158	...-060-0404
Brass, nickel-pl.	Circular "R"	2.50	...-060-0078	...-060-0078	...-060-0159	-
Brass, nickel-pl.	Circular "R"	3.00	...-060-0079	...-060-0079	-	-
Brass, nickel-pl.	Circular "R"	3.50	...-060-0080	...-060-0080	-	-
Brass, nickel-pl.	Circular "R"	4.50	...-060-0081	...-060-0081	-	-
Brass, nickel-pl.	Circular "R"	6.00	...-060-0082	...-060-0082	-	-
Brass, nickel-pl.	Circular jet "RZ"	0.30	-	-	...-060-0820	-
Brass, nickel-pl.	Circular jet "RZ"	0.50	-	-	...-060-0821	-
Brass, nickel-pl.	Circular jet "RZ"	0.65	-	-	...-060-0822	-
Brass, nickel-pl.	Circular jet "RZ"	0.80	-	-	...-060-0823	-
Brass, nickel-pl.	Circular jet "RZ"	1.00	-	-	...-060-0824	-
Brass, nickel-pl.	Circular jet "RZ"	1.20	-	-	...-060-0825	-
Brass, nickel-pl.	Circular jet "RZ"	1.50	-	-	...-060-0826	-
Brass, nickel-pl.	Circular jet "RZ"	1.80	-	-	...-060-0827	-
Brass, nickel-pl.	Circular jet "RZ"	2.00	-	-	...-060-0828	-
Brass, nickel-pl.	Mottle "SP"	1.50 / 2.50	...-060-0224	...-060-0224	-	-
Brass, nickel-pl.	Full-cone rotary jet "VD 6"	0.20 - 1.80	-	-	...-060-0722	...-060-0722
Brass, nickel-pl.	Full-cone rotary jet "VD 8"	0.20 - 1.80	-	-	...-060-0723	...-060-0723
Brass, nickel-pl.	Full-cone rotary jet "VD"	0.20 - 1.80	-	-	...-060-0407	...-060-0407
POM	Flat / Circular "C"	0.30	...-060-0245	...-060-0245	-	-
POM	Flat / Circular "C"	0.50	...-060-0246	...-060-0246	-	-
POM	Flat / Circular "C"	0.80	...-060-0247	...-060-0247	-	-
POM	Flat / Circular "C"	1.00	...-060-0248	...-060-0248	-	-
POM	Flat / Circular "C"	1.20	...-060-0249	...-060-0249	-	-
POM	Flat / Circular "C"	1.50	...-060-0250	...-060-0250	-	-
POM	Flat / Circular "C"	1.80	...-060-0251	...-060-0251	-	-
POM	Flat / Circular "E"	1.20	...-060-0260	...-060-0260	-	-
POM	Flat / Circular "E"	1.50	...-060-0261	...-060-0261	-	-
POM	Flat / Circular "E"	2.50	...-060-0262	...-060-0262	-	-
POM	Flat / Circular "F"	0.50	...-060-0252	...-060-0252	-	-
POM	Flat / Circular "F"	0.80	...-060-0253	...-060-0253	-	-
POM	Flat / Circular "F"	1.00	...-060-0254	...-060-0254	-	-
POM	Flat / Circular "F"	1.20	...-060-0255	...-060-0255	-	-
POM	Flat / Circular "F"	1.50	...-060-0256	...-060-0256	-	-
POM	Flat / Circular "F"	1.80	...-060-0257	...-060-0257	-	-

Spray gun			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no.			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
mm	type	material	order no.	order no.	order no.	order no.
0.30	Flat / Circular	Brass, nickel-pl.	-	-	...-060-0142	...-060-0142
0.30	Flat / Circular "B"	Brass, nickel-pl.	-	-	...-060-0501	...-060-0501
0.30	Flat / Circular "C"	POM	...-060-0245	...-060-0245	-	-
0.30	Flat / Circular "E"	Brass, PTFE	...-060-0577	...-060-0577	-	-
0.30	Flat / Circular "E"	Brass, nickel-pl.	...-060-0223	...-060-0223	-	-
0.30	Flat / Circular "F"	Aluminium / hard-coated	...-060-0258	...-060-0258	-	-
0.30	Flat / Circular "F"	Brass, PTFE	...-060-0554	...-060-0554	-	-
0.30	Flat / Circular "F"	Brass, nickel-pl.	...-060-0197	...-060-0197	-	-
0.30	Flat / Circular "K"	Brass, nickel-pl.	-	-	...-060-0838	-
0.30	Flat / Circular "MC"	Brass, nickel-pl.	-	-	...-060-0847	...-060-0774
0.30	Flat / Circular "T"	Brass, nickel-pl.	-	-	...-060-0272	...-060-0272
0.30	Circular "R"	Stainless steel	-	-	...-060-0178	-
0.30	Circular "R"	Brass, nickel-pl.	...-060-0515	...-060-0515	...-060-0150	...-060-0395
0.30	Circular jet "RZ"	Brass, nickel-pl.	-	-	...-060-0820	-
0.50	Rotary jet "D"	Brass, nickel-pl.	...-060-0083	...-060-0083	-	-
0.50	Rotary jet "DK"	Brass, nickel-pl.	...-060-0046	...-060-0046	-	-
0.50	Rotary jet "DX"	Brass, nickel-pl.	...-060-0058	...-060-0058	-	-
0.50	Flat / Circular	Brass, nickel-pl.	-	-	...-060-0143	...-060-0143
0.50	Flat / Circular "B"	Brass, nickel-pl.	-	-	...-060-0502	...-060-0502
0.50	Flat / Circular "C"	Aluminium / hard-coated	...-060-0263	...-060-0263	-	-
0.50	Flat / Circular "C"	Brass, PTFE	...-060-0565	...-060-0565	-	-
0.50	Flat / Circular "C"	Brass, nickel-pl.	...-060-0351	...-060-0351	-	-
0.50	Flat / Circular "C"	POM	...-060-0246	...-060-0246	-	-
0.50	Flat / Circular "DC"	Brass, PTFE	...-060-0588	...-060-0588	-	-
0.50	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0273	...-060-0273	-	-
0.50	Flat / Circular "DE"	Brass, PTFE	...-060-0599	...-060-0599	-	-
0.50	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0269	...-060-0269	-	-
0.50	Flat / Circular "E"	Brass, PTFE	...-060-0578	...-060-0578	-	-
0.50	Flat / Circular "E"	Brass, nickel-pl.	...-060-0122	...-060-0122	-	-
0.50	Flat / Circular "F"	Aluminium / hard-coated	...-060-0021	...-060-0021	-	-
0.50	Flat / Circular "F"	Brass, PTFE	...-060-0555	...-060-0555	-	-
0.50	Flat / Circular "F"	Brass, nickel-pl.	...-060-0196	...-060-0196	-	-
0.50	Flat / Circular "F"	POM	...-060-0252	...-060-0252	-	-
0.50	Flat / Circular "F2"	Brass, PTFE	...-060-0609	...-060-0609	-	-
0.50	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0228	...-060-0228	-	-
0.50	Flat / Circular "F4"	Brass, PTFE	...-060-0618	...-060-0618	-	-
0.50	Flat / Circular "F4"	Brass, nickel-pl.	...-060-0238	...-060-0238	-	-
0.50	Flat / Circular "F6"	Brass, PTFE	...-060-0625	...-060-0625	-	-
0.50	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0009	...-060-0009	-	-
0.50	Flat / Circular "K"	Brass, nickel-pl.	-	-	...-060-0839	-
0.50	Flat / Circular "MC"	Brass, nickel-pl.	-	-	...-060-0848	...-060-0775
0.50	Flat / Circular "T"	Brass, nickel-pl.	-	-	...-060-0323	...-060-0323
0.50	Circular "R"	Stainless steel	-	-	...-060-0179	-
0.50	Circular "R"	Brass, nickel-pl.	...-060-0070	...-060-0070	...-060-0151	...-060-0396
0.50	Circular jet "RZ"	Brass, nickel-pl.	-	-	...-060-0821	-
0.65	Flat / Circular	Brass, nickel-pl.	-	-	...-060-0144	...-060-0144
0.65	Flat / Circular "B"	Brass, nickel-pl.	-	-	...-060-0503	...-060-0503
0.65	Flat / Circular "BE"	Brass, nickel-pl.	-	-	...-060-0161	...-060-0161
0.65	Flat / Circular "K"	Brass, nickel-pl.	-	-	...-060-0840	-
0.65	Flat / Circular "MC"	Brass, nickel-pl.	-	-	...-060-0849	...-060-0776
0.65	Flat / Circular "T"	Brass, nickel-pl.	-	-	...-060-0504	...-060-0504

Hand-held spray guns,
classified by size

Spray gun			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no.			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
mm	type	material	order no.	order no.	order no.	order no.
0.65	Circular "R"	Stainless steel	-	-	...-060-0180	-
0.65	Circular "R"	Brass, nickel-pl.	-	-	...-060-0152	...-060-0397
0.65	Circular jet "RZ"	Brass, nickel-pl.	-	-	...-060-0822	-
0.80	Rotary jet "D"	Brass, nickel-pl.	...-060-0084	...-060-0084	...-060-0410	...-060-0410
0.80	Rotary jet "DK"	Brass, nickel-pl.	...-060-0047	...-060-0047	-	-
0.80	Rotary jet "DX"	Brass, nickel-pl.	...-060-0059	...-060-0059	-	-
0.80	Flat / Circular	Brass, nickel-pl.	-	-	...-060-0145	...-060-0145
0.80	Flat / Circular "B"	Brass, nickel-pl.	-	-	...-060-0505	...-060-0505
0.80	Flat / Circular "C"	Aluminium / hard-coated	...-060-0264	...-060-0264	-	-
0.80	Flat / Circular "C"	Brass, PTFE	...-060-0566	...-060-0566	-	-
0.80	Flat / Circular "C"	Brass, nickel-pl.	...-060-0352	...-060-0352	-	-
0.80	Flat / Circular "C"	POM	...-060-0247	...-060-0247	-	-
0.80	Flat / Circular "DC"	Brass, PTFE	...-060-0589	...-060-0589	-	-
0.80	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0274	...-060-0274	-	-
0.80	Flat / Circular "DE"	Brass, PTFE	...-060-0600	...-060-0600	-	-
0.80	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0363	...-060-0363	-	-
0.80	Flat / Circular "E"	Brass, PTFE	...-060-0579	...-060-0579	-	-
0.80	Flat / Circular "E"	Brass, nickel-pl.	...-060-0123	...-060-0123	-	-
0.80	Flat / Circular "F"	Aluminium / hard-coated	...-060-0022	...-060-0022	-	-
0.80	Flat / Circular "F"	Brass, PTFE	...-060-0556	...-060-0556	-	-
0.80	Flat / Circular "F"	Brass, nickel-pl.	...-060-0198	...-060-0198	-	-
0.80	Flat / Circular "F"	POM	...-060-0253	...-060-0253	-	-
0.80	Flat / Circular "F1"	Brass, PTFE	...-060-0634	...-060-0634	-	-
0.80	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0369	...-060-0369	-	-
0.80	Flat / Circular "F2"	Brass, PTFE	...-060-0610	...-060-0610	-	-
0.80	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0229	...-060-0229	-	-
0.80	Flat / Circular "F4"	Brass, PTFE	...-060-0619	...-060-0619	-	-
0.80	Flat / Circular "F4"	Brass, nickel-pl.	...-060-0239	...-060-0239	-	-
0.80	Flat / Circular "F6"	Brass, PTFE	...-060-0626	...-060-0626	-	-
0.80	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0010	...-060-0010	-	-
0.80	Flat / Circular "G1"	Brass, nickel-pl.	...-060-0336	...-060-0336	-	-
0.80	Flat / Circular "K"	Brass, nickel-pl.	-	-	...-060-0841	-
0.80	Flat / Circular "MC"	Brass, nickel-pl.	-	-	...-060-0850	...-060-0777
0.80	Circular "R"	Stainless steel	-	-	...-060-0181	-
0.80	Circular "R"	Brass, nickel-pl.	...-060-0071	...-060-0071	...-060-0153	...-060-0398
0.80	Circular jet "RZ"	Brass, nickel-pl.	-	-	...-060-0823	-
1.00	Rotary jet "D"	Brass, nickel-pl.	...-060-0085	...-060-0085	...-060-0411	...-060-0411
1.00	Rotary jet "DK"	Brass, nickel-pl.	...-060-0048	...-060-0048	-	-
1.00	Rotary jet "DX"	Brass, nickel-pl.	...-060-0060	...-060-0060	-	-
1.00	Flat / Circular	Brass, nickel-pl.	-	-	...-060-0146	...-060-0146
1.00	Flat / Circular "B"	Brass, nickel-pl.	-	-	...-060-0349	...-060-0349
1.00	Flat / Circular "C"	Aluminium / hard-coated	...-060-0350	...-060-0350	-	-
1.00	Flat / Circular "C"	Brass, PTFE	...-060-0567	...-060-0567	-	-
1.00	Flat / Circular "C"	Brass, nickel-pl.	...-060-0353	...-060-0353	-	-
1.00	Flat / Circular "C"	POM	...-060-0248	...-060-0248	-	-
1.00	Flat / Circular "DC"	Brass, PTFE	...-060-0643	...-060-0643	-	-
1.00	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0275	...-060-0275	-	-
1.00	Flat / Circular "DE"	Brass, PTFE	...-060-0601	...-060-0601	-	-
1.00	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0364	...-060-0364	-	-
1.00	Flat / Circular "E"	Brass, PTFE	...-060-0580	...-060-0580	-	-
1.00	Flat / Circular "E"	Brass, nickel-pl.	...-060-0124	...-060-0124	-	-

Spray gun			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no.			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
mm	type	material	order no.	order no.	order no.	order no.
1.00	Flat / Circular "F"	Aluminium / hard-coated	...-060-0023	...-060-0023	-	-
1.00	Flat / Circular "F"	Brass, PTFE	...-060-0557	...-060-0557	-	-
1.00	Flat / Circular "F"	Brass, nickel-pl.	...-060-0199	...-060-0199	-	-
1.00	Flat / Circular "F"	POM	...-060-0254	...-060-0254	-	-
1.00	Flat / Circular "F1"	Brass, PTFE	...-060-0635	...-060-0635	-	-
1.00	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0377	...-060-0377	-	-
1.00	Flat / Circular "F2"	Brass, PTFE	...-060-0611	...-060-0611	-	-
1.00	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0230	...-060-0230	-	-
1.00	Flat / Circular "F4"	Brass, PTFE	...-060-0620	...-060-0620	-	-
1.00	Flat / Circular "F4"	Brass, nickel-pl.	...-060-0240	...-060-0240	-	-
1.00	Flat / Circular "F6"	Brass, PTFE	...-060-0627	...-060-0627	-	-
1.00	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0011	...-060-0011	-	-
1.00	Flat / Circular "G"	Brass, nickel-pl.	...-060-0324	...-060-0324	-	-
1.00	Flat / Circular "G1"	Brass, nickel-pl.	...-060-0337	...-060-0337	-	-
1.00	Flat / Circular "K"	Brass, nickel-pl.	-	-	...-060-0842	-
1.00	Flat / Circular "MC"	Brass, nickel-pl.	-	-	...-060-0851	...-060-0778
1.00	Flat / Circular "T"	Brass, nickel-pl.	-	-	...-060-0348	...-060-0348
1.00	Circular "R"	Stainless steel	-	-	...-060-0182	-
1.00	Circular "R"	Brass, nickel-pl.	...-060-0072	...-060-0072	...-060-0154	...-060-0399
1.00	Circular jet "RZ"	Brass, nickel-pl.	-	-	...-060-0824	-
1.20	Rotary jet "D"	Brass, nickel-pl.	...-060-0086	...-060-0086	...-060-0265	...-060-0265
1.20	Rotary jet "DK"	Brass, nickel-pl.	...-060-0049	...-060-0049	-	-
1.20	Rotary jet "DX"	Brass, nickel-pl.	...-060-0061	...-060-0061	-	-
1.20	Flat / Circular	Brass, nickel-pl.	-	-	...-060-0147	...-060-0147
1.20	Flat / Circular "B"	Brass, nickel-pl.	-	-	...-060-0506	...-060-0506
1.20	Flat / Circular "C"	Brass, PTFE	...-060-0568	...-060-0568	-	-
1.20	Flat / Circular "C"	Brass, nickel-pl.	...-060-0354	...-060-0354	-	-
1.20	Flat / Circular "C"	POM	...-060-0249	...-060-0249	-	-
1.20	Flat / Circular "DC"	Brass, PTFE	...-060-0590	...-060-0590	-	-
1.20	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0276	...-060-0276	...-060-0507	...-060-0507
1.20	Flat / Circular "DE"	Brass, PTFE	...-060-0602	...-060-0602	-	-
1.20	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0365	...-060-0365	-	-
1.20	Flat / Circular "E"	Brass, PTFE	...-060-0581	...-060-0581	-	-
1.20	Flat / Circular "E"	Brass, nickel-pl.	...-060-0125	...-060-0125	-	-
1.20	Flat / Circular "E"	POM	...-060-0260	...-060-0260	-	-
1.20	Flat / Circular "F"	Aluminium / hard-coated	...-060-0024	...-060-0024	-	-
1.20	Flat / Circular "F"	Brass, PTFE	...-060-0558	...-060-0558	-	-
1.20	Flat / Circular "F"	Brass, nickel-pl.	...-060-0200	...-060-0200	-	-
1.20	Flat / Circular "F"	POM	...-060-0255	...-060-0255	-	-
1.20	Flat / Circular "F1"	Brass, PTFE	...-060-0636	...-060-0636	-	-
1.20	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0378	...-060-0378	-	-
1.20	Flat / Circular "F2"	Brass, PTFE	...-060-0612	...-060-0612	-	-
1.20	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0231	...-060-0231	-	-
1.20	Flat / Circular "F4"	Brass, PTFE	...-060-0621	...-060-0621	-	-
1.20	Flat / Circular "F4"	Brass, nickel-pl.	...-060-0241	...-060-0241	-	-
1.20	Flat / Circular "F6"	Brass, PTFE	...-060-0628	...-060-0628	-	-
1.20	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0012	...-060-0012	-	-
1.20	Flat / Circular "G"	Brass, nickel-pl.	...-060-0325	...-060-0325	-	-
1.20	Flat / Circular "G1"	Brass, nickel-pl.	...-060-0432	...-060-0432	-	-
1.20	Flat / Circular "K"	Brass, nickel-pl.	-	-	...-060-0843	-
1.20	Flat / Circular "MC"	Brass, nickel-pl.	-	-	...-060-0852	...-060-0779
1.20	Circular "R"	Stainless steel	-	-	...-060-0183	-

Hand-held spray guns,
classified by size

Spray gun			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no.			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
mm	type	material	order no.	order no.	order no.	order no.
1.20	Circular "R"	Brass, nickel-pl.	...-060-0073	...-060-0073	...-060-0155	...-060-0400
1.20	Circular jet "RZ"	Brass, nickel-pl.	-	-	...-060-0825	-
1.50	Rotary jet "D"	Brass, nickel-pl.	...-060-0087	...-060-0087	...-060-0412	...-060-0412
1.50	Rotary jet "DK"	Brass, nickel-pl.	...-060-0050	...-060-0050	-	-
1.50	Rotary jet "DT"	Brass, nickel-pl.	...-060-0226	...-060-0226	-	-
1.50	Rotary jet "DX"	Brass, nickel-pl.	...-060-0062	...-060-0062	-	-
1.50	Flat / Circular	Brass, nickel-pl.	-	-	...-060-0148	...-060-0148
1.50	Flat / Circular "C"	Brass, PTFE	...-060-0569	...-060-0569	-	-
1.50	Flat / Circular "C"	Brass, nickel-pl.	...-060-0355	...-060-0355	-	-
1.50	Flat / Circular "C"	POM	...-060-0250	...-060-0250	-	-
1.50	Flat / Circular "DC"	Brass, PTFE	...-060-0591	...-060-0591	-	-
1.50	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0277	...-060-0277	-	-
1.50	Flat / Circular "DE"	Brass, PTFE	...-060-0603	...-060-0603	-	-
1.50	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0270	...-060-0270	-	-
1.50	Flat / Circular "E"	Brass, PTFE	...-060-0582	...-060-0582	-	-
1.50	Flat / Circular "E"	Brass, nickel-pl.	...-060-0127	...-060-0127	-	-
1.50	Flat / Circular "E"	POM	...-060-0261	...-060-0261	-	-
1.50	Flat / Circular "F"	Aluminium / hard-coated	...-060-0026	...-060-0026	-	-
1.50	Flat / Circular "F"	Brass, PTFE	...-060-0559	...-060-0559	-	-
1.50	Flat / Circular "F"	Brass, nickel-pl.	...-060-0202	...-060-0202	-	-
1.50	Flat / Circular "F"	POM	...-060-0256	...-060-0256	-	-
1.50	Flat / Circular "F1"	Brass, PTFE	...-060-0637	...-060-0637	-	-
1.50	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0379	...-060-0379	-	-
1.50	Flat / Circular "F2"	Brass, PTFE	...-060-0613	...-060-0613	-	-
1.50	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0233	...-060-0233	-	-
1.50	Flat / Circular "F4"	Brass, PTFE	...-060-0622	...-060-0622	-	-
1.50	Flat / Circular "F4"	Brass, nickel-pl.	...-060-0242	...-060-0242	-	-
1.50	Flat / Circular "F6"	Brass, PTFE	...-060-0629	...-060-0629	-	-
1.50	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0014	...-060-0014	-	-
1.50	Flat / Circular "G"	Brass, nickel-pl.	...-060-0326	...-060-0326	-	-
1.50	Flat / Circular "GG"	Brass, nickel-pl.	...-060-0330	...-060-0330	-	-
1.50	Flat / Circular "GG2"	Brass, nickel-pl.	...-060-0339	...-060-0339	-	-
1.50	Flat / Circular "K"	Brass, nickel-pl.	-	-	...-060-0844	-
1.50	Flat / Circular "MC"	Brass, nickel-pl.	-	-	...-060-0853	...-060-0780
1.50	Circular "R"	Stainless steel	-	-	...-060-0184	-
1.50	Circular "R"	Brass, nickel-pl.	...-060-0075	...-060-0075	...-060-0156	...-060-0401
1.50	Circular jet "RZ"	Brass, nickel-pl.	-	-	...-060-0826	-
1.80	Rotary jet "D"	Brass, nickel-plated	...-060-0268	...-060-0268	-	-
1.80	Rotary jet "D"	Brass, nickel-pl.	...-060-0088	...-060-0088	...-060-0413	...-060-0413
1.80	Rotary jet "DK"	Brass, nickel-pl.	...-060-0051	...-060-0051	-	-
1.80	Rotary jet "DX"	Brass, nickel-pl.	...-060-0063	...-060-0063	-	-
1.80	Flat / Circular	Brass, nickel-pl.	-	-	...-060-0149	...-060-0149
1.80	Flat / Circular "C"	Brass, PTFE	...-060-0570	...-060-0570	-	-
1.80	Flat / Circular "C"	Brass, nickel-pl.	...-060-0356	...-060-0356	-	-
1.80	Flat / Circular "C"	POM	...-060-0251	...-060-0251	-	-
1.80	Flat / Circular "DC"	Brass, PTFE	...-060-0592	...-060-0592	-	-
1.80	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0278	...-060-0278	-	-
1.80	Flat / Circular "DE"	Brass, PTFE	...-060-0604	...-060-0604	-	-
1.80	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0271	...-060-0271	-	-
1.80	Flat / Circular "E"	Brass, PTFE	...-060-0583	...-060-0583	-	-
1.80	Flat / Circular "E"	Brass, nickel-pl.	...-060-0128	...-060-0128	-	-

Spray gun >			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no. >			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
mm	type	material	order no.	order no.	order no.	order no.
1.80	Flat / Circular "F"	Aluminium / hard-coated	...-060-0027	...-060-0027	-	-
1.80	Flat / Circular "F"	Brass, PTFE	...-060-0560	...-060-0560	-	-
1.80	Flat / Circular "F"	Brass, nickel-pl.	...-060-0203	...-060-0203	-	-
1.80	Flat / Circular "F"	POM	...-060-0257	...-060-0257	-	-
1.80	Flat / Circular "F1"	Brass, PTFE	...-060-0638	...-060-0638	-	-
1.80	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0380	...-060-0380	-	-
1.80	Flat / Circular "F2"	Brass, PTFE	...-060-0614	...-060-0614	-	-
1.80	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0234	...-060-0234	-	-
1.80	Flat / Circular "F4"	Brass, PTFE	...-060-0623	...-060-0623	-	-
1.80	Flat / Circular "F4"	Brass, nickel-pl.	...-060-0243	...-060-0243	-	-
1.80	Flat / Circular "F6"	Brass, PTFE	...-060-0630	...-060-0630	-	-
1.80	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0015	...-060-0015	-	-
1.80	Flat / Circular "G"	Brass, nickel-pl.	...-060-0327	...-060-0327	-	-
1.80	Flat / Circular "G1"	Brass, nickel-pl.	...-060-0338	...-060-0338	-	-
1.80	Flat / Circular "GG"	Brass, nickel-pl.	...-060-0331	...-060-0331	-	-
1.80	Flat / Circular "GG2"	Brass, nickel-pl.	...-060-0340	...-060-0340	-	-
1.80	Flat / Circular "K"	Brass, nickel-pl.	-	-	...-060-0845	-
1.80	Flat / Circular "MC"	Brass, nickel-pl.	-	-	...-060-0854	...-060-0781
1.80	Flat / Circular "S"	Brass, nickel-pl.	-	-	...-060-0756	...-060-0765
1.80	Circular "R"	Stainless steel	-	-	...-060-0185	-
1.80	Circular "R"	Brass, nickel-pl.	...-060-0076	...-060-0076	...-060-0157	...-060-0402
1.80	Circular jet "RZ"	Brass, nickel-pl.	-	-	...-060-0827	-
2.00	Rotary jet "D"	Brass, nickel-pl.	...-060-0089	...-060-0089	...-060-0414	...-060-0414
2.00	Rotary jet "DK"	Brass, nickel-pl.	...-060-0052	...-060-0052	-	-
2.00	Rotary jet "DX"	Brass, nickel-pl.	...-060-0064	...-060-0064	-	-
2.00	Flat / Circular "C"	Brass, PTFE	...-060-0571	...-060-0571	-	-
2.00	Flat / Circular "C"	Brass, nickel-pl.	...-060-0357	...-060-0357	-	-
2.00	Flat / Circular "DC"	Brass, PTFE	...-060-0593	...-060-0593	-	-
2.00	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0279	...-060-0279	-	-
2.00	Flat / Circular "DE"	Brass, PTFE	...-060-0605	...-060-0605	-	-
2.00	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0366	...-060-0366	-	-
2.00	Flat / Circular "E"	Brass, PTFE	...-060-0584	...-060-0584	-	-
2.00	Flat / Circular "E"	Brass, nickel-pl.	...-060-0129	...-060-0129	-	-
2.00	Flat / Circular "F"	Aluminium / hard-coated	...-060-0028	...-060-0028	-	-
2.00	Flat / Circular "F"	Brass, PTFE	...-060-0561	...-060-0561	-	-
2.00	Flat / Circular "F"	Brass, nickel-pl.	...-060-0204	...-060-0204	-	-
2.00	Flat / Circular "F1"	Brass, PTFE	...-060-0639	...-060-0639	-	-
2.00	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0381	...-060-0381	-	-
2.00	Flat / Circular "F2"	Brass, PTFE	...-060-0615	...-060-0615	-	-
2.00	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0235	...-060-0235	-	-
2.00	Flat / Circular "F4"	Brass, PTFE	...-060-0624	...-060-0624	-	-
2.00	Flat / Circular "F4"	Brass, nickel-pl.	...-060-0244	...-060-0244	-	-
2.00	Flat / Circular "F6"	Brass, PTFE	...-060-0631	...-060-0631	-	-
2.00	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0016	...-060-0016	-	-
2.00	Flat / Circular "G"	Brass, nickel-pl.	...-060-0328	...-060-0328	-	-
2.00	Flat / Circular "GG"	Brass, nickel-pl.	...-060-0332	...-060-0332	-	-
2.00	Flat / Circular "GG2"	Brass, nickel-pl.	...-060-0341	...-060-0341	-	-
2.00	Flat / Circular "K"	Brass, nickel-pl.	-	-	...-060-0846	-
2.00	Flat / Circular "MC"	Brass, nickel-pl.	-	-	...-060-0856	...-060-0855
2.00	Circular "R"	Stainless steel	-	-	...-060-0186	-
2.00	Circular "R"	Brass, nickel-pl.	...-060-0077	...-060-0077	...-060-0158	...-060-0404
2.00	Circular jet "RZ"	Brass, nickel-pl.	-	-	...-060-0828	-

Hand-held spray guns,
classified by size

Spray gun			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no.			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
mm	type	material	order no.	order no.	order no.	order no.
2.20	Flat / Circular "F"	Aluminium / hard-coated	...-060-0029	...-060-0029	-	-
2.20	Flat / Circular "F"	Brass, PTFE	...-060-0562	...-060-0562	-	-
2.20	Flat / Circular "F"	Brass, nickel-pl.	...-060-0205	...-060-0205	-	-
2.20	Flat / Circular "F1"	Brass, PTFE	...-060-0640	...-060-0640	-	-
2.20	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0382	...-060-0382	-	-
2.20	Flat / Circular "F2"	Brass, PTFE	...-060-0616	...-060-0616	-	-
2.20	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0236	...-060-0236	-	-
2.20	Flat / Circular "F6"	Brass, PTFE	...-060-0632	...-060-0632	-	-
2.20	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0017	...-060-0017	-	-
2.20	Flat / Circular "GG"	Brass, nickel-pl.	...-060-0333	...-060-0333	-	-
2.50	Rotary jet "D"	Brass, nickel-pl.	...-060-0090	...-060-0090	...-060-0415	...-060-0415
2.50	Rotary jet "DK"	Brass, nickel-pl.	...-060-0053	...-060-0053	-	-
2.50	Rotary jet "DT"	Brass, nickel-pl.	...-060-0416	...-060-0416	-	-
2.50	Rotary jet "DX"	Brass, nickel-pl.	...-060-0065	...-060-0065	-	-
2.50	Flat / Circular "C"	Brass, PTFE	...-060-0572	...-060-0572	-	-
2.50	Flat / Circular "C"	Brass, nickel-pl.	...-060-0358	...-060-0358	-	-
2.50	Flat / Circular "DC"	Brass, PTFE	...-060-0594	...-060-0594	-	-
2.50	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0280	...-060-0280	-	-
2.50	Flat / Circular "DE"	Brass, PTFE	...-060-0606	...-060-0606	-	-
2.50	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0367	...-060-0367	-	-
2.50	Flat / Circular "E"	Brass, PTFE	...-060-0585	...-060-0585	-	-
2.50	Flat / Circular "E"	Brass, nickel-pl.	...-060-0130	...-060-0130	-	-
2.50	Flat / Circular "E"	POM	...-060-0262	...-060-0262	-	-
2.50	Flat / Circular "F"	Aluminium / hard-coated	...-060-0030	...-060-0030	-	-
2.50	Flat / Circular "F"	Brass, PTFE	...-060-0563	...-060-0563	-	-
2.50	Flat / Circular "F"	Brass, nickel-pl.	...-060-0206	...-060-0206	-	-
2.50	Flat / Circular "F1"	Brass, PTFE	...-060-0641	...-060-0641	-	-
2.50	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0383	...-060-0383	-	-
2.50	Flat / Circular "F2"	Brass, PTFE	...-060-0617	...-060-0617	-	-
2.50	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0237	...-060-0237	-	-
2.50	Flat / Circular "F6"	Brass, PTFE	...-060-0633	...-060-0633	-	-
2.50	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0018	...-060-0018	-	-
2.50	Flat / Circular "G"	Brass, nickel-pl.	...-060-0329	...-060-0329	-	-
2.50	Flat / Circular "GG"	Brass, nickel-pl.	...-060-0334	...-060-0334	-	-
2.50	Circular "R"	Stainless steel	-	-	...-060-0187	-
2.50	Circular "R"	Brass, nickel-pl.	...-060-0078	...-060-0078	...-060-0159	-
3.00	Rotary jet "D"	Brass, nickel-pl.	...-060-0091	...-060-0091	-	-
3.00	Rotary jet "DK"	Brass, nickel-pl.	...-060-0054	...-060-0054	-	-
3.00	Rotary jet "DX"	Brass, nickel-pl.	...-060-0066	...-060-0066	-	-
3.00	Flat / Circular "C"	Brass, PTFE	...-060-0573	...-060-0573	-	-
3.00	Flat / Circular "C"	Brass, nickel-pl.	...-060-0359	...-060-0359	-	-
3.00	Flat / Circular "DC"	Brass, PTFE	...-060-0595	...-060-0595	-	-
3.00	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0281	...-060-0281	-	-
3.00	Flat / Circular "DE"	Brass, PTFE	...-060-0607	...-060-0607	-	-
3.00	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0368	...-060-0368	-	-
3.00	Flat / Circular "E"	Brass, PTFE	...-060-0586	...-060-0586	-	-
3.00	Flat / Circular "E"	Brass, nickel-pl.	...-060-0131	...-060-0131	-	-
3.00	Flat / Circular "F"	Aluminium / hard-coated	...-060-0031	...-060-0031	-	-
3.00	Flat / Circular "F"	Brass, PTFE	...-060-0564	...-060-0564	-	-
3.00	Flat / Circular "F"	Brass, nickel-pl.	...-060-0207	...-060-0207	-	-
3.00	Flat / Circular "F1"	Brass, PTFE	...-060-0642	...-060-0642	-	-

Spray gun	>		HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no.	>		gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
mm	type	material	order no.	order no.	order no.	order no.
3.00	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0384	...-060-0384	-	-
3.00	Flat / Circular "GG"	Brass, nickel-pl.	...-060-0335	...-060-0335	-	-
3.00	Circular "R"	Brass, nickel-pl.	...-060-0079	...-060-0079	-	-
3.50	Rotary jet "D"	Brass, nickel-pl.	...-060-0092	...-060-0092	-	-
3.50	Rotary jet "DK"	Brass, nickel-pl.	...-060-0055	...-060-0055	-	-
3.50	Rotary jet "DX"	Brass, nickel-pl.	...-060-0067	...-060-0067	-	-
3.50	Flat / Circular "C"	Brass, PTFE	...-060-0574	...-060-0574	-	-
3.50	Flat / Circular "C"	Brass, nickel-pl.	...-060-0360	...-060-0360	-	-
3.50	Flat / Circular "DC"	Brass, PTFE	...-060-0596	...-060-0596	-	-
3.50	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0282	...-060-0282	-	-
3.50	Flat / Circular "DE"	Brass, PTFE	...-060-0608	...-060-0608	-	-
3.50	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0535	...-060-0535	-	-
3.50	Flat / Circular "E"	Brass, PTFE	...-060-0587	...-060-0587	-	-
3.50	Flat / Circular "E"	Brass, nickel-pl.	...-060-0132	...-060-0132	-	-
3.50	Flat / Circular "F"	Brass, nickel-pl.	...-060-0689	...-060-0689	-	-
3.50	Flat / Circular "G"	Brass, nickel-pl.	...-060-0434	...-060-0434	-	-
3.50	Circular "R"	Brass, nickel-pl.	...-060-0080	...-060-0080	-	-
4.50	Rotary jet "D"	Brass, nickel-pl.	...-060-0093	...-060-0093	-	-
4.50	Rotary jet "DK"	Brass, nickel-pl.	...-060-0056	...-060-0056	-	-
4.50	Rotary jet "DX"	Brass, nickel-pl.	...-060-0068	...-060-0068	-	-
4.50	Flat / Circular "C"	Brass, PTFE	...-060-0575	...-060-0575	-	-
4.50	Flat / Circular "C"	Brass, nickel-pl.	...-060-0361	...-060-0361	-	-
4.50	Flat / Circular "DC"	Brass, PTFE	...-060-0597	...-060-0597	-	-
4.50	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0283	...-060-0283	-	-
4.50	Circular "R"	Brass, nickel-pl.	...-060-0081	...-060-0081	-	-
6.00	Rotary jet "D"	Brass, nickel-pl.	...-060-0094	...-060-0094	-	-
6.00	Rotary jet "DK"	Brass, nickel-pl.	...-060-0057	...-060-0057	-	-
6.00	Rotary jet "DX"	Brass, nickel-pl.	...-060-0069	...-060-0069	-	-
6.00	Flat / Circular "C"	Brass, PTFE	...-060-0576	...-060-0576	-	-
6.00	Flat / Circular "C"	Brass, nickel-pl.	...-060-0362	...-060-0362	-	-
6.00	Flat / Circular "DC"	Brass, PTFE	...-060-0598	...-060-0598	-	-
6.00	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0284	...-060-0284	-	-
6.00	Circular "R"	Brass, nickel-pl.	...-060-0082	...-060-0082	-	-
0.20 - 1.80	Full-cone rotary jet "VD 6"	Brass, nickel-pl.	-	-	...-060-0722	...-060-0722
0.20 - 1.80	Full-cone rotary jet "VD 8"	Brass, nickel-pl.	-	-	...-060-0723	...-060-0723
0.20 - 1.80	Full-cone rotary jet "VD"	Brass, nickel-pl.	-	-	...-060-0407	...-060-0407
0.30 - 0.80	High-cone rotary jet "HD"	Brass, nickel-pl.	-	-	...-060-0509	...-060-0691
0.30 - 2.50	Rotary jet "DZ 12"	Brass, nickel-pl.	...-060-0682	...-060-0682	-	-
0.30 - 2.50	Rotary jet "DZ 6"	Brass, nickel-pl.	...-060-0693	...-060-0693	-	-
0.30 - 2.50	Rotary jet "DZ 8"	Brass, nickel-pl.	...-060-0695	...-060-0695	-	-
0.30 - 2.50	Rotary jet "DZ"	Brass, nickel-pl.	...-060-0020	...-060-0020	-	-
1.50 / 2.50	Mottle "SP"	Brass, nickel-pl.	...-060-0224	...-060-0224	-	-

Spray gun >			A 10	A 11	RA 2	MA 1	Mikro 3	Mikro 3	M 10
Version >							14 x 0,75	24 x 1	
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	1050...	2830...	2831...	2900...
Material	type	mm	order no.	order no.	order no.	order no.	order no.	order no.	order no.
Aluminium / hard-coated	Flat / Circular "C"	0.50	...-060-0263	...-060-0263	...-060-0263	-	-	-	-
Aluminium / hard-coated	Flat / Circular "C"	0.80	...-060-0264	...-060-0264	...-060-0264	-	-	-	-
Aluminium / hard-coated	Flat / Circular "C"	1.00	...-060-0350	...-060-0350	...-060-0350	-	-	-	-
Aluminium / hard-coated	Flat / Circular "C"	0.30	...-060-0258	...-060-0258	...-060-0258	-	-	-	-
Aluminium / hard-coated	Flat / Circular "C"	0.50	...-060-0021	...-060-0021	...-060-0021	-	-	-	-
Aluminium / hard-coated	Flat / Circular "C"	0.80	...-060-0022	...-060-0022	...-060-0022	-	-	-	-
Aluminium / hard-coated	Flat / Circular "C"	1.00	...-060-0023	...-060-0023	...-060-0023	-	-	-	-
Aluminium / hard-coated	Flat / Circular "C"	1.20	...-060-0024	...-060-0024	...-060-0024	-	-	-	-
Aluminium / hard-coated	Flat / Circular "C"	1.50	...-060-0026	...-060-0026	...-060-0026	-	-	-	-
Aluminium / hard-coated	Flat / Circular "F"	1.80	...-060-0027	...-060-0027	...-060-0027	-	-	-	-
Aluminium / hard-coated	Flat / Circular "F"	2.00	...-060-0028	...-060-0028	...-060-0028	-	-	-	-
Aluminium / hard-coated	Flat / Circular "F"	2.20	...-060-0029	...-060-0029	...-060-0029	-	-	-	-
Aluminium / hard-coated	Flat / Circular "F"	2.50	...-060-0030	...-060-0030	...-060-0030	-	-	-	-
Aluminium / hard-coated	Flat / Circular "F"	3.00	...-060-0031	...-060-0031	...-060-0031	-	-	-	-
Stainless steel	Circular "R"	0.30	-	-	-	-	-	...-060-0178	...-060-0178
Stainless steel	Circular "R"	0.50	-	-	-	-	-	...-060-0179	...-060-0179
Stainless steel	Circular "R"	0.65	-	-	-	-	-	...-060-0180	...-060-0180
Stainless steel	Circular "R"	0.80	-	-	-	-	-	...-060-0181	...-060-0181
Stainless steel	Circular "R"	1.00	-	-	-	-	-	...-060-0182	...-060-0182
Stainless steel	Circular "R"	1.20	-	-	-	-	-	...-060-0183	...-060-0183
Stainless steel	Circular "R"	1.50	-	-	-	-	-	...-060-0184	...-060-0184
Stainless steel	Circular "R"	1.80	-	-	-	-	-	-	...-060-0185
Stainless steel	Circular "R"	2.00	-	-	-	-	-	-	...-060-0186
Stainless steel	Circular "R"	2.50	-	-	-	-	-	-	...-060-0187
Stainless steel	Circular "RS"	0.30	-	-	-	-	...-060-0215	-	-
Stainless steel	Circular "RS"	0.50	-	-	-	-	...-060-0216	-	-
Stainless steel	Circular "RS"	0.65	-	-	-	-	...-060-0217	-	-
Stainless steel	Circular "RS"	0.80	-	-	-	-	...-060-0218	-	-
Stainless steel	Circular "RS"	1.00	-	-	-	-	...-060-0219	-	-
Stainless steel	Circular "RS"	1.20	-	-	-	-	...-060-0220	-	-
Stainless steel	Circular "RS"	1.50	-	-	-	-	...-060-0221	-	-
Stainless steel	Circular "RS"	1.80	-	-	-	-	...-060-0222	-	-
Brass, nickel-plated	Rotary jet "D"	1.80	...-060-0268	...-060-0268	...-060-0268	-	-	-	-
Brass, PTFE	Flat / Circular "C"	0.50	...-060-0565	...-060-0565	...-060-0565	-	-	-	-
Brass, PTFE	Flat / Circular "C"	0.80	...-060-0566	...-060-0566	...-060-0566	-	-	-	-
Brass, PTFE	Flat / Circular "C"	1.00	...-060-0567	...-060-0567	...-060-0567	-	-	-	-
Brass, PTFE	Flat / Circular "C"	1.20	...-060-0568	...-060-0568	...-060-0568	-	-	-	-
Brass, PTFE	Flat / Circular "C"	1.50	...-060-0569	...-060-0569	...-060-0569	-	-	-	-
Brass, PTFE	Flat / Circular "C"	1.80	...-060-0570	...-060-0570	...-060-0570	-	-	-	-
Brass, PTFE	Flat / Circular "C"	2.00	...-060-0571	...-060-0571	...-060-0571	-	-	-	-
Brass, PTFE	Flat / Circular "C"	2.50	...-060-0572	...-060-0572	...-060-0572	-	-	-	-
Brass, PTFE	Flat / Circular "C"	3.00	...-060-0573	...-060-0573	...-060-0573	-	-	-	-
Brass, PTFE	Flat / Circular "C"	3.50	...-060-0574	...-060-0574	...-060-0574	-	-	-	-
Brass, PTFE	Flat / Circular "C"	4.50	...-060-0575	...-060-0575	...-060-0575	-	-	-	-
Brass, PTFE	Flat / Circular "C"	6.00	...-060-0576	...-060-0576	...-060-0576	-	-	-	-
Brass, PTFE	Flat / Circular "DC"	0.50	...-060-0588	...-060-0588	...-060-0588	-	-	-	-
Brass, PTFE	Flat / Circular "DC"	0.80	...-060-0589	...-060-0589	...-060-0589	-	-	-	-
Brass, PTFE	Flat / Circular "DC"	1.00	...-060-0643	...-060-0643	...-060-0643	-	-	-	-
Brass, PTFE	Flat / Circular "DC"	1.20	...-060-0590	...-060-0590	...-060-0590	-	-	-	-
Brass, PTFE	Flat / Circular "DC"	1.50	...-060-0591	...-060-0591	...-060-0591	-	-	-	-
Brass, PTFE	Flat / Circular "DC"	1.80	...-060-0592	...-060-0592	...-060-0592	-	-	-	-
Brass, PTFE	Flat / Circular "DC"	2.00	...-060-0593	...-060-0593	...-060-0593	-	-	-	-

Automatic spray guns,
classified by material

Spray gun >			A 10	A 11	RA 2	MA 1	Mikro 3	Mikro 3	M 10
Version >							14 x 0,75	24 x 1	
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	1050...	2830...	2831...	2900...
Material	type	mm	order no.	order no.	order no.	order no.	order no.	order no.	order no.
Brass, PTFE	Flat / Circular "DC"	2.50	...-060-0594	...-060-0594	...-060-0594	-	-	-	-
Brass, PTFE	Flat / Circular "DC"	3.00	...-060-0595	...-060-0595	...-060-0595	-	-	-	-
Brass, PTFE	Flat / Circular "DC"	3.50	...-060-0596	...-060-0596	...-060-0596	-	-	-	-
Brass, PTFE	Flat / Circular "DC"	4.50	...-060-0597	...-060-0597	...-060-0597	-	-	-	-
Brass, PTFE	Flat / Circular "DC"	6.00	...-060-0598	...-060-0598	...-060-0598	-	-	-	-
Brass, PTFE	Flat / Circular "DE"	0.50	...-060-0599	...-060-0599	...-060-0599	-	-	-	-
Brass, PTFE	Flat / Circular "DE"	0.80	...-060-0600	...-060-0600	...-060-0600	-	-	-	-
Brass, PTFE	Flat / Circular "DE"	1.00	...-060-0601	...-060-0601	...-060-0601	-	-	-	-
Brass, PTFE	Flat / Circular "DE"	1.20	...-060-0602	...-060-0602	...-060-0602	-	-	-	-
Brass, PTFE	Flat / Circular "DE"	1.50	...-060-0603	...-060-0603	...-060-0603	-	-	-	-
Brass, PTFE	Flat / Circular "DE"	1.80	...-060-0604	...-060-0604	...-060-0604	-	-	-	-
Brass, PTFE	Flat / Circular "DE"	2.00	...-060-0605	...-060-0605	...-060-0605	-	-	-	-
Brass, PTFE	Flat / Circular "DE"	2.50	...-060-0606	...-060-0606	...-060-0606	-	-	-	-
Brass, PTFE	Flat / Circular "DE"	3.00	...-060-0607	...-060-0607	...-060-0607	-	-	-	-
Brass, PTFE	Flat / Circular "DE"	3.50	...-060-0608	...-060-0608	...-060-0608	-	-	-	-
Brass, PTFE	Flat / Circular "E"	0.30	...-060-0577	...-060-0577	...-060-0577	-	-	-	-
Brass, PTFE	Flat / Circular "E"	0.50	...-060-0578	...-060-0578	...-060-0578	-	-	-	-
Brass, PTFE	Flat / Circular "E"	0.80	...-060-0579	...-060-0579	...-060-0579	-	-	-	-
Brass, PTFE	Flat / Circular "E"	1.00	...-060-0580	...-060-0580	...-060-0580	-	-	-	-
Brass, PTFE	Flat / Circular "E"	1.20	...-060-0581	...-060-0581	...-060-0581	-	-	-	-
Brass, PTFE	Flat / Circular "E"	1.50	...-060-0582	...-060-0582	...-060-0582	-	-	-	-
Brass, PTFE	Flat / Circular "E"	1.80	...-060-0583	...-060-0583	...-060-0583	-	-	-	-
Brass, PTFE	Flat / Circular "E"	2.00	...-060-0584	...-060-0584	...-060-0584	-	-	-	-
Brass, PTFE	Flat / Circular "E"	2.50	...-060-0585	...-060-0585	...-060-0585	-	-	-	-
Brass, PTFE	Flat / Circular "E"	3.00	...-060-0586	...-060-0586	...-060-0586	-	-	-	-
Brass, PTFE	Flat / Circular "E"	3.50	...-060-0587	...-060-0587	...-060-0587	-	-	-	-
Brass, PTFE	Flat / Circular "F"	0.30	...-060-0554	...-060-0554	...-060-0554	-	-	-	-
Brass, PTFE	Flat / Circular "F"	0.50	...-060-0555	...-060-0555	...-060-0555	-	-	-	-
Brass, PTFE	Flat / Circular "F"	0.80	...-060-0556	...-060-0556	...-060-0556	-	-	-	-
Brass, PTFE	Flat / Circular "F"	1.00	...-060-0557	...-060-0557	...-060-0557	-	-	-	-
Brass, PTFE	Flat / Circular "F"	1.20	...-060-0558	...-060-0558	...-060-0558	-	-	-	-
Brass, PTFE	Flat / Circular "F"	1.50	...-060-0559	...-060-0559	...-060-0559	-	-	-	-
Brass, PTFE	Flat / Circular "F"	1.80	...-060-0560	...-060-0560	...-060-0560	-	-	-	-
Brass, PTFE	Flat / Circular "F"	2.00	...-060-0561	...-060-0561	...-060-0561	-	-	-	-
Brass, PTFE	Flat / Circular "F"	2.20	...-060-0562	...-060-0562	...-060-0562	-	-	-	-
Brass, PTFE	Flat / Circular "F"	2.50	...-060-0563	...-060-0563	...-060-0563	-	-	-	-
Brass, PTFE	Flat / Circular "F"	3.00	...-060-0564	...-060-0564	...-060-0564	-	-	-	-
Brass, PTFE	Flat / Circular "F1"	0.80	...-060-0634	...-060-0634	...-060-0634	-	-	-	-
Brass, PTFE	Flat / Circular "F1"	1.00	...-060-0635	...-060-0635	...-060-0635	-	-	-	-
Brass, PTFE	Flat / Circular "F1"	1.20	...-060-0636	...-060-0636	...-060-0636	-	-	-	-
Brass, PTFE	Flat / Circular "F1"	1.50	...-060-0637	...-060-0637	...-060-0637	-	-	-	-
Brass, PTFE	Flat / Circular "F1"	1.80	...-060-0638	...-060-0638	...-060-0638	-	-	-	-
Brass, PTFE	Flat / Circular "F1"	2.00	...-060-0639	...-060-0639	...-060-0639	-	-	-	-
Brass, PTFE	Flat / Circular "F1"	2.20	...-060-0640	...-060-0640	...-060-0640	-	-	-	-
Brass, PTFE	Flat / Circular "F1"	2.50	...-060-0641	...-060-0641	...-060-0641	-	-	-	-
Brass, PTFE	Flat / Circular "F1"	3.00	...-060-0642	...-060-0642	...-060-0642	-	-	-	-
Brass, PTFE	Flat / Circular "F2"	0.50	...-060-0609	...-060-0609	...-060-0609	-	-	-	-
Brass, PTFE	Flat / Circular "F2"	0.80	...-060-0610	...-060-0610	...-060-0610	-	-	-	-
Brass, PTFE	Flat / Circular "F2"	1.00	...-060-0611	...-060-0611	...-060-0611	-	-	-	-
Brass, PTFE	Flat / Circular "F2"	1.20	...-060-0612	...-060-0612	...-060-0612	-	-	-	-
Brass, PTFE	Flat / Circular "F2"	1.50	...-060-0613	...-060-0613	...-060-0613	-	-	-	-
Brass, PTFE	Flat / Circular "F2"	1.80	...-060-0614	...-060-0614	...-060-0614	-	-	-	-
Brass, PTFE	Flat / Circular "F2"	2.00	...-060-0615	...-060-0615	...-060-0615	-	-	-	-
Brass, PTFE	Flat / Circular "F2"	2.20	...-060-0616	...-060-0616	...-060-0616	-	-	-	-
Brass, PTFE	Flat / Circular "F2"	2.50	...-060-0617	...-060-0617	...-060-0617	-	-	-	-

Automatic spray guns,
classified by material

Spray gun >			A 10	A 11	RA 2	MA 1	Mikro 3	Mikro 3	M 10
Version >							14 x 0,75	24 x 1	
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	1050...	2830...	2831...	2900...
Material	type	mm	order no.	order no.	order no.	order no.	order no.	order no.	order no.
Brass, PTFE	Flat / Circular "F4"	0.50	...-060-0618	...-060-0618	...-060-0618	-	-	-	-
Brass, PTFE	Flat / Circular "F4"	0.80	...-060-0619	...-060-0619	...-060-0619	-	-	-	-
Brass, PTFE	Flat / Circular "F4"	1.00	...-060-0620	...-060-0620	...-060-0620	-	-	-	-
Brass, PTFE	Flat / Circular "F4"	1.20	...-060-0621	...-060-0621	...-060-0621	-	-	-	-
Brass, PTFE	Flat / Circular "F4"	1.50	...-060-0622	...-060-0622	...-060-0622	-	-	-	-
Brass, PTFE	Flat / Circular "F4"	1.80	...-060-0623	...-060-0623	...-060-0623	-	-	-	-
Brass, PTFE	Flat / Circular "F4"	2.00	...-060-0624	...-060-0624	...-060-0624	-	-	-	-
Brass, PTFE	Flat / Circular "F6"	0.50	...-060-0625	...-060-0625	...-060-0625	-	-	-	-
Brass, PTFE	Flat / Circular "F6"	0.80	...-060-0626	...-060-0626	...-060-0626	-	-	-	-
Brass, PTFE	Flat / Circular "F6"	1.00	...-060-0627	...-060-0627	...-060-0627	-	-	-	-
Brass, PTFE	Flat / Circular "F6"	1.20	...-060-0628	...-060-0628	...-060-0628	-	-	-	-
Brass, PTFE	Flat / Circular "F6"	1.50	...-060-0629	...-060-0629	...-060-0629	-	-	-	-
Brass, PTFE	Flat / Circular "F6"	1.80	...-060-0630	...-060-0630	...-060-0630	-	-	-	-
Brass, PTFE	Flat / Circular "F6"	2.00	...-060-0631	...-060-0631	...-060-0631	-	-	-	-
Brass, PTFE	Flat / Circular "F6"	2.20	...-060-0632	...-060-0632	...-060-0632	-	-	-	-
Brass, PTFE	Flat / Circular "F6"	2.50	...-060-0633	...-060-0633	...-060-0633	-	-	-	-
Brass, nickel-pl.	Rotary jet "D"	0.50	...-060-0083	...-060-0083	...-060-0083	-	-	-	-
Brass, nickel-pl.	Rotary jet "D"	0.80	...-060-0084	...-060-0084	...-060-0084	...-060-0410	...-060-0516	...-060-0410	...-060-0410
Brass, nickel-pl.	Rotary jet "D"	1.00	...-060-0085	...-060-0085	...-060-0085	...-060-0411	...-060-0517	...-060-0411	...-060-0411
Brass, nickel-pl.	Rotary jet "D"	1.20	...-060-0086	...-060-0086	...-060-0086	...-060-0265	...-060-0518	...-060-0265	...-060-0265
Brass, nickel-pl.	Rotary jet "D"	1.50	...-060-0087	...-060-0087	...-060-0087	...-060-0412	...-060-0519	...-060-0412	...-060-0412
Brass, nickel-pl.	Rotary jet "D"	1.80	...-060-0088	...-060-0088	...-060-0088	...-060-0413	...-060-0520	-	...-060-0413
Brass, nickel-pl.	Rotary jet "D"	2.00	...-060-0089	...-060-0089	...-060-0089	...-060-0414	-	-	...-060-0414
Brass, nickel-pl.	Rotary jet "D"	2.50	...-060-0090	...-060-0090	...-060-0090	...-060-0415	-	-	...-060-0415
Brass, nickel-pl.	Rotary jet "D"	3.00	...-060-0091	...-060-0091	...-060-0091	-	-	-	-
Brass, nickel-pl.	Rotary jet "D"	3.50	...-060-0092	...-060-0092	...-060-0092	-	-	-	-
Brass, nickel-pl.	Rotary jet "D"	4.50	...-060-0093	...-060-0093	...-060-0093	-	-	-	-
Brass, nickel-pl.	Rotary jet "D"	6.00	...-060-0094	...-060-0094	...-060-0094	-	-	-	-
Brass, nickel-pl.	Rotary jet "DK"	0.50	...-060-0046	...-060-0046	...-060-0046	-	-	-	-
Brass, nickel-pl.	Rotary jet "DK"	0.80	...-060-0047	...-060-0047	...-060-0047	-	-	-	-
Brass, nickel-pl.	Rotary jet "DK"	1.00	...-060-0048	...-060-0048	...-060-0048	-	-	-	-
Brass, nickel-pl.	Rotary jet "DK"	1.20	...-060-0049	...-060-0049	...-060-0049	-	-	-	-
Brass, nickel-pl.	Rotary jet "DK"	1.50	...-060-0050	...-060-0050	...-060-0050	-	-	-	-
Brass, nickel-pl.	Rotary jet "DK"	1.80	...-060-0051	...-060-0051	...-060-0051	-	-	-	-
Brass, nickel-pl.	Rotary jet "DK"	2.00	...-060-0052	...-060-0052	...-060-0052	-	-	-	-
Brass, nickel-pl.	Rotary jet "DK"	2.50	...-060-0053	...-060-0053	...-060-0053	-	-	-	-
Brass, nickel-pl.	Rotary jet "DK"	3.00	...-060-0054	...-060-0054	...-060-0054	-	-	-	-
Brass, nickel-pl.	Rotary jet "DK"	3.50	...-060-0055	...-060-0055	...-060-0055	-	-	-	-
Brass, nickel-pl.	Rotary jet "DK"	4.50	...-060-0056	...-060-0056	...-060-0056	-	-	-	-
Brass, nickel-pl.	Rotary jet "DK"	6.00	...-060-0057	...-060-0057	...-060-0057	-	-	-	-
Brass, nickel-pl.	Rotary jet "DT"	1.50	...-060-0226	...-060-0226	...-060-0226	-	-	-	-
Brass, nickel-pl.	Rotary jet "DT"	2.50	...-060-0416	...-060-0416	...-060-0416	-	-	-	-
Brass, nickel-pl.	Rotary jet "DX"	0.50	...-060-0058	...-060-0058	...-060-0058	-	-	-	-
Brass, nickel-pl.	Rotary jet "DX"	0.80	...-060-0059	...-060-0059	...-060-0059	-	-	-	-
Brass, nickel-pl.	Rotary jet "DX"	1.00	...-060-0060	...-060-0060	...-060-0060	-	-	-	-
Brass, nickel-pl.	Rotary jet "DX"	1.20	...-060-0061	...-060-0061	...-060-0061	-	-	-	-
Brass, nickel-pl.	Rotary jet "DX"	1.50	...-060-0062	...-060-0062	...-060-0062	-	-	-	-
Brass, nickel-pl.	Rotary jet "DX"	1.80	...-060-0063	...-060-0063	...-060-0063	-	-	-	-
Brass, nickel-pl.	Rotary jet "DX"	2.00	...-060-0064	...-060-0064	...-060-0064	-	-	-	-
Brass, nickel-pl.	Rotary jet "DX"	2.50	...-060-0065	...-060-0065	...-060-0065	-	-	-	-
Brass, nickel-pl.	Rotary jet "DX"	3.00	...-060-0066	...-060-0066	...-060-0066	-	-	-	-
Brass, nickel-pl.	Rotary jet "DX"	3.50	...-060-0067	...-060-0067	...-060-0067	-	-	-	-
Brass, nickel-pl.	Rotary jet "DX"	4.50	...-060-0068	...-060-0068	...-060-0068	-	-	-	-
Brass, nickel-pl.	Rotary jet "DX"	6.00	...-060-0069	...-060-0069	...-060-0069	-	-	-	-

Automatic spray guns,
classified by material

Spray gun >			A 10	A 11	RA 2	MA 1	Mikro 3	Mikro 3	M 10
Version >							14 x 0,75	24 x 1	
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	1050...	2830...	2831...	2900...
Material	type	mm	order no.	order no.	order no.	order no.	order no.	order no.	order no.
Brass, nickel-pl.	Rotary jet "DZ 12"	0.30 - 2.50	...-060-0682	...-060-0682	...-060-0682	-	-	-	-
Brass, nickel-pl.	Rotary jet "DZ 6"	0.30 - 2.50	...-060-0693	...-060-0693	...-060-0693	-	-	-	-
Brass, nickel-pl.	Rotary jet "DZ 8"	0.30 - 2.50	...-060-0695	...-060-0695	...-060-0695	-	-	-	-
Brass, nickel-pl.	Rotary jet "DZ"	0.30 - 2.50	...-060-0020	...-060-0020	...-060-0020	-	-	-	-
Brass, nickel-pl.	Flat / Circular	0.30	-	-	-	...-060-0142	-	...-060-0142	...-060-0142
Brass, nickel-pl.	Flat / Circular	0.50	-	-	-	...-060-0143	-	...-060-0143	...-060-0143
Brass, nickel-pl.	Flat / Circular	0.65	-	-	-	...-060-0144	-	...-060-0144	...-060-0144
Brass, nickel-pl.	Flat / Circular	0.80	-	-	-	...-060-0145	-	...-060-0145	...-060-0145
Brass, nickel-pl.	Flat / Circular	1.00	-	-	-	...-060-0146	-	...-060-0146	...-060-0146
Brass, nickel-pl.	Flat / Circular	1.20	-	-	-	...-060-0147	-	...-060-0147	...-060-0147
Brass, nickel-pl.	Flat / Circular	1.50	-	-	-	...-060-0148	-	...-060-0148	...-060-0148
Brass, nickel-pl.	Flat / Circular	1.80	-	-	-	...-060-0149	-	-	...-060-0149
Brass, nickel-pl.	Flat / Circular "B"	0.30	-	-	-	...-060-0501	-	...-060-0501	...-060-0501
Brass, nickel-pl.	Flat / Circular "B"	0.50	-	-	-	...-060-0502	-	...-060-0502	...-060-0502
Brass, nickel-pl.	Flat / Circular "B"	0.65	-	-	-	...-060-0503	-	...-060-0503	...-060-0503
Brass, nickel-pl.	Flat / Circular "B"	0.80	-	-	-	...-060-0505	-	...-060-0505	...-060-0505
Brass, nickel-pl.	Flat / Circular "B"	1.00	-	-	-	...-060-0349	-	...-060-0349	...-060-0349
Brass, nickel-pl.	Flat / Circular "B"	1.20	-	-	-	...-060-0506	-	...-060-0506	...-060-0506
Brass, nickel-pl.	Flat / Circular "BE"	0.65	-	-	-	...-060-0161	-	...-060-0161	...-060-0161
Brass, nickel-pl.	Flat / Circular "C"	0.50	...-060-0351	...-060-0351	...-060-0351	-	-	-	-
Brass, nickel-pl.	Flat / Circular "C"	0.80	...-060-0352	...-060-0352	...-060-0352	-	-	-	-
Brass, nickel-pl.	Flat / Circular "C"	1.00	...-060-0353	...-060-0353	...-060-0353	-	-	-	-
Brass, nickel-pl.	Flat / Circular "C"	1.20	...-060-0354	...-060-0354	...-060-0354	-	-	-	-
Brass, nickel-pl.	Flat / Circular "C"	1.50	...-060-0355	...-060-0355	...-060-0355	-	-	-	-
Brass, nickel-pl.	Flat / Circular "C"	1.80	...-060-0356	...-060-0356	...-060-0356	-	-	-	-
Brass, nickel-pl.	Flat / Circular "C"	2.00	...-060-0357	...-060-0357	...-060-0357	-	-	-	-
Brass, nickel-pl.	Flat / Circular "C"	2.50	...-060-0358	...-060-0358	...-060-0358	-	-	-	-
Brass, nickel-pl.	Flat / Circular "C"	3.00	...-060-0359	...-060-0359	...-060-0359	-	-	-	-
Brass, nickel-pl.	Flat / Circular "C"	3.50	...-060-0360	...-060-0360	...-060-0360	-	-	-	-
Brass, nickel-pl.	Flat / Circular "C"	4.50	...-060-0361	...-060-0361	...-060-0361	-	-	-	-
Brass, nickel-pl.	Flat / Circular "C"	6.00	...-060-0362	...-060-0362	...-060-0362	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DC"	0.50	...-060-0273	...-060-0273	...-060-0273	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DC"	0.80	...-060-0274	...-060-0274	...-060-0274	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DC"	1.00	...-060-0275	...-060-0275	...-060-0275	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DC"	1.20	...-060-0276	...-060-0276	...-060-0276	...-060-0507	-	...-060-0507	...-060-0507
Brass, nickel-pl.	Flat / Circular "DC"	1.50	...-060-0277	...-060-0277	...-060-0277	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DC"	1.80	...-060-0278	...-060-0278	...-060-0278	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DC"	2.00	...-060-0279	...-060-0279	...-060-0279	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DC"	2.50	...-060-0280	...-060-0280	...-060-0280	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DC"	3.00	...-060-0281	...-060-0281	...-060-0281	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DC"	3.50	...-060-0282	...-060-0282	...-060-0282	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DC"	4.50	...-060-0283	...-060-0283	...-060-0283	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DC"	6.00	...-060-0284	...-060-0284	...-060-0284	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DE"	0.50	...-060-0269	...-060-0269	...-060-0269	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DE"	0.80	...-060-0363	...-060-0363	...-060-0363	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DE"	1.00	...-060-0364	...-060-0364	...-060-0364	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DE"	1.20	...-060-0365	...-060-0365	...-060-0365	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DE"	1.50	...-060-0270	...-060-0270	...-060-0270	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DE"	1.80	...-060-0271	...-060-0271	...-060-0271	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DE"	2.00	...-060-0366	...-060-0366	...-060-0366	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DE"	2.50	...-060-0367	...-060-0367	...-060-0367	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DE"	3.00	...-060-0368	...-060-0368	...-060-0368	-	-	-	-
Brass, nickel-pl.	Flat / Circular "DE"	3.50	...-060-0535	...-060-0535	...-060-0535	-	-	-	-
Brass, nickel-pl.	Flat / Circular "E"	0.30	...-060-0223	...-060-0223	...-060-0223	-	-	-	-
Brass, nickel-pl.	Flat / Circular "E"	0.50	...-060-0122	...-060-0122	...-060-0122	-	-	-	-

Spray gun >			A 10	A 11	RA 2	MA 1	Mikro 3	Mikro 3	M 10
Version >							14 x 0,75	24 x 1	
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	1050...	2830...	2831...	2900...
Material	type	mm	order no.	order no.	order no.	order no.	order no.	order no.	order no.
Brass, nickel-pl.	Flat / Circular "E"	0.80	...-060-0123	...-060-0123	...-060-0123	-	-	-	-
Brass, nickel-pl.	Flat / Circular "E"	1.00	...-060-0124	...-060-0124	...-060-0124	-	-	-	-
Brass, nickel-pl.	Flat / Circular "E"	1.20	...-060-0125	...-060-0125	...-060-0125	-	-	-	-
Brass, nickel-pl.	Flat / Circular "E"	1.50	...-060-0127	...-060-0127	...-060-0127	-	-	-	-
Brass, nickel-pl.	Flat / Circular "E"	1.80	...-060-0128	...-060-0128	...-060-0128	-	-	-	-
Brass, nickel-pl.	Flat / Circular "E"	2.00	...-060-0129	...-060-0129	...-060-0129	-	-	-	-
Brass, nickel-pl.	Flat / Circular "E"	2.50	...-060-0130	...-060-0130	...-060-0130	-	-	-	-
Brass, nickel-pl.	Flat / Circular "E"	3.00	...-060-0131	...-060-0131	...-060-0131	-	-	-	-
Brass, nickel-pl.	Flat / Circular "E"	3.50	...-060-0132	...-060-0132	...-060-0132	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F"	0.30	...-060-0197	...-060-0197	...-060-0197	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F"	0.80	...-060-0198	...-060-0198	...-060-0198	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F"	1.00	...-060-0199	...-060-0199	...-060-0199	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F"	1.20	...-060-0200	...-060-0200	...-060-0200	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F"	1.50	...-060-0202	...-060-0202	...-060-0202	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F"	1.80	...-060-0203	...-060-0203	...-060-0203	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F"	2.00	...-060-0204	...-060-0204	...-060-0204	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F"	2.20	...-060-0205	...-060-0205	...-060-0205	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F"	2.50	...-060-0206	...-060-0206	...-060-0206	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F"	3.00	...-060-0207	...-060-0207	...-060-0207	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F"	3.50	...-060-0689	...-060-0689	...-060-0689	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F1"	0.80	...-060-0369	...-060-0369	...-060-0369	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F1"	1.00	...-060-0377	...-060-0377	...-060-0377	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F1"	1.20	...-060-0378	...-060-0378	...-060-0378	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F1"	1.50	...-060-0379	...-060-0379	...-060-0379	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F1"	1.80	...-060-0380	...-060-0380	...-060-0380	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F1"	2.00	...-060-0381	...-060-0381	...-060-0381	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F1"	2.20	...-060-0382	...-060-0382	...-060-0382	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F1"	2.50	...-060-0383	...-060-0383	...-060-0383	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F1"	3.00	...-060-0384	...-060-0384	...-060-0384	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F2"	0.50	...-060-0228	...-060-0228	...-060-0228	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F2"	0.80	...-060-0229	...-060-0229	...-060-0229	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F2"	1.00	...-060-0230	...-060-0230	...-060-0230	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F2"	1.20	...-060-0231	...-060-0231	...-060-0231	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F2"	1.50	...-060-0233	...-060-0233	...-060-0233	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F2"	1.80	...-060-0234	...-060-0234	...-060-0234	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F2"	2.00	...-060-0235	...-060-0235	...-060-0235	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F2"	2.20	...-060-0236	...-060-0236	...-060-0236	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F2"	2.50	...-060-0237	...-060-0237	...-060-0237	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F4"	0.50	...-060-0238	...-060-0238	...-060-0238	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F4"	0.80	...-060-0239	...-060-0239	...-060-0239	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F4"	1.00	...-060-0240	...-060-0240	...-060-0240	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F4"	1.20	...-060-0241	...-060-0241	...-060-0241	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F4"	1.50	...-060-0242	...-060-0242	...-060-0242	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F4"	1.80	...-060-0243	...-060-0243	...-060-0243	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F4"	2.00	...-060-0244	...-060-0244	...-060-0244	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F6"	0.50	...-060-0009	...-060-0009	...-060-0009	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F6"	0.80	...-060-0010	...-060-0010	...-060-0010	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F6"	1.00	...-060-0011	...-060-0011	...-060-0011	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F6"	1.20	...-060-0012	...-060-0012	...-060-0012	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F6"	1.50	...-060-0014	...-060-0014	...-060-0014	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F6"	1.80	...-060-0015	...-060-0015	...-060-0015	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F6"	2.00	...-060-0016	...-060-0016	...-060-0016	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F6"	2.20	...-060-0017	...-060-0017	...-060-0017	-	-	-	-
Brass, nickel-pl.	Flat / Circular "F6"	2.50	...-060-0018	...-060-0018	...-060-0018	-	-	-	-
Brass, nickel-pl.	Flat / Circular "FL"	0.50	...-060-0196	...-060-0196	...-060-0196	-	-	-	-

Automatic spray guns,
classified by material

Spray gun >			A 10	A 11	RA 2	MA 1	Mikro 3	Mikro 3	M 10
Version >							14 x 0,75	24 x 1	
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	1050...	2830...	2831...	2900...
Material	type	mm	order no.	order no.	order no.	order no.	order no.	order no.	order no.
Brass, nickel-pl.	Flat / Circular "G"	1.00	...-060-0324	...-060-0324	...-060-0324	-	-	-	-
Brass, nickel-pl.	Flat / Circular "G"	1.20	...-060-0325	...-060-0325	...-060-0325	-	-	-	-
Brass, nickel-pl.	Flat / Circular "G"	1.50	...-060-0326	...-060-0326	...-060-0326	-	-	-	-
Brass, nickel-pl.	Flat / Circular "G"	1.80	...-060-0327	...-060-0327	...-060-0327	-	-	-	-
Brass, nickel-pl.	Flat / Circular "G"	2.00	...-060-0328	...-060-0328	...-060-0328	-	-	-	-
Brass, nickel-pl.	Flat / Circular "G"	2.50	...-060-0329	...-060-0329	...-060-0329	-	-	-	-
Brass, nickel-pl.	Flat / Circular "G"	3.50	...-060-0434	...-060-0434	...-060-0434	-	-	-	-
Brass, nickel-pl.	Flat / Circular "G1"	0.80	...-060-0336	...-060-0336	...-060-0336	-	-	-	-
Brass, nickel-pl.	Flat / Circular "G1"	1.00	...-060-0337	...-060-0337	...-060-0337	-	-	-	-
Brass, nickel-pl.	Flat / Circular "G1"	1.20	...-060-0432	...-060-0432	...-060-0432	-	-	-	-
Brass, nickel-pl.	Flat / Circular "G1"	1.80	...-060-0338	...-060-0338	...-060-0338	-	-	-	-
Brass, nickel-pl.	Flat / Circular "GG"	1.50	...-060-0330	...-060-0330	...-060-0330	-	-	-	-
Brass, nickel-pl.	Flat / Circular "GG"	1.80	...-060-0331	...-060-0331	...-060-0331	-	-	-	-
Brass, nickel-pl.	Flat / Circular "GG"	2.00	...-060-0332	...-060-0332	...-060-0332	-	-	-	-
Brass, nickel-pl.	Flat / Circular "GG"	2.20	...-060-0333	...-060-0333	...-060-0333	-	-	-	-
Brass, nickel-pl.	Flat / Circular "GG"	2.50	...-060-0334	...-060-0334	...-060-0334	-	-	-	-
Brass, nickel-pl.	Flat / Circular "GG"	3.00	...-060-0335	...-060-0335	...-060-0335	-	-	-	-
Brass, nickel-pl.	Flat / Circular "GG2"	1.50	...-060-0339	...-060-0339	...-060-0339	-	-	-	-
Brass, nickel-pl.	Flat / Circular "GG2"	1.80	...-060-0340	...-060-0340	...-060-0340	-	-	-	-
Brass, nickel-pl.	Flat / Circular "GG2"	2.00	...-060-0341	...-060-0341	...-060-0341	-	-	-	-
Brass, nickel-pl.	Flat / Circular "K"	0.30	-	-	-	-	-	...-060-0838	...-060-0838
Brass, nickel-pl.	Flat / Circular "K"	0.50	-	-	-	-	-	...-060-0839	...-060-0839
Brass, nickel-pl.	Flat / Circular "K"	0.65	-	-	-	-	-	...-060-0840	...-060-0840
Brass, nickel-pl.	Flat / Circular "K"	0.80	-	-	-	-	-	...-060-0841	...-060-0841
Brass, nickel-pl.	Flat / Circular "K"	1.00	-	-	-	-	-	...-060-0842	...-060-0842
Brass, nickel-pl.	Flat / Circular "K"	1.20	-	-	-	-	-	...-060-0843	...-060-0843
Brass, nickel-pl.	Flat / Circular "K"	1.50	-	-	-	-	-	...-060-0844	...-060-0844
Brass, nickel-pl.	Flat / Circular "K"	1.80	-	-	-	-	-	-	...-060-0845
Brass, nickel-pl.	Flat / Circular "K"	2.00	-	-	-	-	-	-	...-060-0846
Brass, nickel-pl.	Flat / Circular "KOB"	0.30	-	-	-	-	...-060-0136	-	-
Brass, nickel-pl.	Flat / Circular "KOB"	0.50	-	-	-	-	...-060-0137	-	-
Brass, nickel-pl.	Flat / Circular "KOS"	0.30	-	-	-	-	...-060-0134	-	-
Brass, nickel-pl.	Flat / Circular "KOS"	0.50	-	-	-	-	...-060-0135	-	-
Brass, nickel-pl.	Flat / Circular "MC"	0.30	-	-	-	...-060-0774	-	...-060-0847	...-060-0847
Brass, nickel-pl.	Flat / Circular "MC"	0.50	-	-	-	...-060-0775	-	...-060-0848	...-060-0848
Brass, nickel-pl.	Flat / Circular "MC"	0.65	-	-	-	...-060-0776	-	...-060-0849	...-060-0849
Brass, nickel-pl.	Flat / Circular "MC"	0.80	-	-	-	...-060-0777	-	...-060-0850	...-060-0850
Brass, nickel-pl.	Flat / Circular "MC"	1.00	-	-	-	...-060-0778	-	...-060-0851	...-060-0851
Brass, nickel-pl.	Flat / Circular "MC"	1.20	-	-	-	...-060-0779	-	...-060-0852	...-060-0852
Brass, nickel-pl.	Flat / Circular "MC"	1.50	-	-	-	...-060-0780	-	...-060-0853	...-060-0853
Brass, nickel-pl.	Flat / Circular "MC"	1.80	-	-	-	...-060-0781	-	-	...-060-0854
Brass, nickel-pl.	Flat / Circular "MC"	2.00	-	-	-	...-060-0855	-	-	...-060-0856
Brass, nickel-pl.	Flat / Circular "S"	1.80	-	-	-	...-060-0765	-	-	...-060-0756
Brass, nickel-pl.	Flat / Circular "T"	0.30	-	-	-	...-060-0272	-	...-060-0272	...-060-0272
Brass, nickel-pl.	Flat / Circular "T"	0.50	-	-	-	...-060-0323	-	...-060-0323	...-060-0323
Brass, nickel-pl.	Flat / Circular "T"	0.65	-	-	-	...-060-0504	-	...-060-0504	...-060-0504
Brass, nickel-pl.	Flat / Circular "T"	1.00	-	-	-	...-060-0348	-	...-060-0348	...-060-0348
Brass, nickel-pl.	High-cone rotary jet "HD"	0.30 - 0.80	-	-	-	...060-0691	...-060-0528	...-060-0509	...-060-0509
Brass, nickel-pl.	Circular "R"	0.30	...-060-0515	...-060-0515	...-060-0515	...060-0395	...-060-0005	...-060-0150	...-060-0150
Brass, nickel-pl.	Circular "R"	0.50	...-060-0070	...-060-0070	...-060-0070	...060-0396	...-060-0099	...-060-0151	...-060-0151
Brass, nickel-pl.	Circular "R"	0.65	-	-	-	...060-0397	...-060-0100	...-060-0152	...-060-0152
Brass, nickel-pl.	Circular "R"	0.80	...-060-0071	...-060-0071	...-060-0071	...060-0398	...-060-0101	...-060-0153	...-060-0153
Brass, nickel-pl.	Circular "R"	1.00	...-060-0072	...-060-0072	...-060-0072	...060-0399	...-060-0102	...-060-0154	...-060-0154
Brass, nickel-pl.	Circular "R"	1.20	...-060-0073	...-060-0073	...-060-0073	...060-0400	...-060-0103	...-060-0155	...-060-0155
Brass, nickel-pl.	Circular "R"	1.50	...-060-0075	...-060-0075	...-060-0075	...060-0401	...-060-0104	...-060-0156	...-060-0156

Spray gun >			A 10	A 11	RA 2	MA 1	Mikro 3	Mikro 3	M 10
Version >							14 x 0,75	24 x 1	
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	1050...	2830...	2831...	2900...
Material	type	mm	order no.	order no.	order no.	order no.	order no.	order no.	order no.
Brass, nickel-pl.	Circular "R"	1.80	...-060-0076	...-060-0076	...-060-0076	...060-0402	...-060-0105	-	...-060-0157
Brass, nickel-pl.	Circular "R"	2.00	...-060-0077	...-060-0077	...-060-0077	...060-0404	-	-	...-060-0158
Brass, nickel-pl.	Circular "R"	2.50	...-060-0078	...-060-0078	...-060-0078	-	-	-	...-060-0159
Brass, nickel-pl.	Circular "R"	3.00	...-060-0079	...-060-0079	...-060-0079	-	-	-	-
Brass, nickel-pl.	Circular "R"	3.50	...-060-0080	...-060-0080	...-060-0080	-	-	-	-
Brass, nickel-pl.	Circular "R"	4.50	...-060-0081	...-060-0081	...-060-0081	-	-	-	-
Brass, nickel-pl.	Circular "R"	6.00	...-060-0082	...-060-0082	...-060-0082	-	-	-	-
Brass, nickel-pl.	Circular "RS"	0.30	-	-	-	-	...-060-0188	-	-
Brass, nickel-pl.	Circular "RS"	0.50	-	-	-	-	...-060-0189	-	-
Brass, nickel-pl.	Circular "RS"	0.65	-	-	-	-	...-060-0190	-	-
Brass, nickel-pl.	Circular "RS"	0.80	-	-	-	-	...-060-0191	-	-
Brass, nickel-pl.	Circular "RS"	1.00	-	-	-	-	...-060-0192	-	-
Brass, nickel-pl.	Circular "RS"	1.20	-	-	-	-	...-060-0193	-	-
Brass, nickel-pl.	Circular "RS"	1.50	-	-	-	-	...-060-0194	-	-
Brass, nickel-pl.	Circular "RS"	1.80	-	-	-	-	...-060-0195	-	-
Brass, nickel-pl.	Circular "R1"	0.30	-	-	-	-	...-060-0113	-	-
Brass, nickel-pl.	Circular "R1"	0.50	-	-	-	-	...-060-0106	-	-
Brass, nickel-pl.	Circular "R1"	0.65	-	-	-	-	...-060-0107	-	-
Brass, nickel-pl.	Circular "R1"	0.80	-	-	-	-	...-060-0108	-	-
Brass, nickel-pl.	Circular "R1"	1.00	-	-	-	-	...-060-0109	-	-
Brass, nickel-pl.	Circular "R1"	1.20	-	-	-	-	...-060-0110	-	-
Brass, nickel-pl.	Circular "R1"	1.50	-	-	-	-	...-060-0111	-	-
Brass, nickel-pl.	Circular "R1"	1.80	-	-	-	-	...-060-0112	-	-
Brass, nickel-pl.	Circular jet "RZ"	0.30	-	-	-	-	-	...-060-0820	...-060-0820
Brass, nickel-pl.	Circular jet "RZ"	0.50	-	-	-	-	-	...-060-0821	...-060-0821
Brass, nickel-pl.	Circular jet "RZ"	0.65	-	-	-	-	-	...-060-0822	...-060-0822
Brass, nickel-pl.	Circular jet "RZ"	0.80	-	-	-	-	-	...-060-0823	...-060-0823
Brass, nickel-pl.	Circular jet "RZ"	1.00	-	-	-	-	-	...-060-0824	...-060-0824
Brass, nickel-pl.	Circular jet "RZ"	1.20	-	-	-	-	-	...-060-0825	...-060-0825
Brass, nickel-pl.	Circular jet "RZ"	1.50	-	-	-	-	-	...-060-0826	...-060-0826
Brass, nickel-pl.	Circular jet "RZ"	1.80	-	-	-	-	-	-	...-060-0827
Brass, nickel-pl.	Circular jet "RZ"	2.00	-	-	-	-	-	-	...-060-0828
Brass, nickel-pl.	Mottle "SP"	1.50 / 2.50	...-060-0224	...-060-0224	...-060-0224	-	-	-	-
Brass, nickel-pl.	Full-cone rotary jet "VD 6"	0.20 - 1.80	-	-	-	...-060-0722	-	...-060-0722	...-060-0722
Brass, nickel-pl.	Full-cone rotary jet "VD 8"	0.20 - 1.80	-	-	-	...-060-0723	-	...-060-0723	...-060-0723
Brass, nickel-pl.	Full-cone rotary jet "VD"	0.20 - 1.80	-	-	-	...-060-0407	...-060-0408	...-060-0407	...-060-0407
POM	Flat / Circular "C"	0.30	...-060-0245	...-060-0245	...-060-0245	-	-	-	-
POM	Flat / Circular "C"	0.50	...-060-0246	...-060-0246	...-060-0246	-	-	-	-
POM	Flat / Circular "C"	0.80	...-060-0247	...-060-0247	...-060-0247	-	-	-	-
POM	Flat / Circular "C"	1.00	...-060-0248	...-060-0248	...-060-0248	-	-	-	-
POM	Flat / Circular "C"	1.20	...-060-0249	...-060-0249	...-060-0249	-	-	-	-
POM	Flat / Circular "C"	1.50	...-060-0250	...-060-0250	...-060-0250	-	-	-	-
POM	Flat / Circular "C"	1.80	...-060-0251	...-060-0251	...-060-0251	-	-	-	-
POM	Flat / Circular "E"	1.20	...-060-0260	...-060-0260	...-060-0260	-	-	-	-
POM	Flat / Circular "E"	1.50	...-060-0261	...-060-0261	...-060-0261	-	-	-	-
POM	Flat / Circular "E"	2.50	...-060-0262	...-060-0262	...-060-0262	-	-	-	-
POM	Flat / Circular "F"	0.50	...-060-0252	...-060-0252	...-060-0252	-	-	-	-
POM	Flat / Circular "F"	0.80	...-060-0253	...-060-0253	...-060-0253	-	-	-	-
POM	Flat / Circular "F"	1.00	...-060-0254	...-060-0254	...-060-0254	-	-	-	-
POM	Flat / Circular "F"	1.20	...-060-0255	...-060-0255	...-060-0255	-	-	-	-
POM	Flat / Circular "F"	1.50	...-060-0256	...-060-0256	...-060-0256	-	-	-	-
POM	Flat / Circular "F"	1.80	...-060-0257	...-060-0257	...-060-0257	-	-	-	-
POM	Circular "RS"	1.00	-	-	-	-	...-060-0553	-	-

Spray gun >			A 10	A 11	RA 2	MA 1	Mikro 3	Mikro 3	M 10
Version >							14 x 0,75	24 x 1	
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	1050...	2830...	2831...	2900...
mm	type	material	order no.	order no.	order no.	order no.	order no.	order no.	order no.
0.30	Flat / Circular	Brass, nickel-pl.	-	-	-	...-060-0142	-	...-060-0142	...-060-0142
0.30	Flat / Circular "B"	Brass, nickel-pl.	-	-	-	...-060-0501	-	...-060-0501	...-060-0501
0.30	Flat / Circular "C"	POM	...-060-0245	...-060-0245	...-060-0245	-	-	-	-
0.30	Flat / Circular "E"	Brass, PTFE	...-060-0577	...-060-0577	...-060-0577	-	-	-	-
0.30	Flat / Circular "E"	Brass, nickel-pl.	...-060-0223	...-060-0223	...-060-0223	-	-	-	-
0.30	Flat / Circular "F"	Aluminium / Hard-coated	...-060-0258	...-060-0258	...-060-0258	-	-	-	-
0.30	Flat / Circular "F"	Brass, PTFE	...-060-0554	...-060-0554	...-060-0554	-	-	-	-
0.30	Flat / Circular "F"	Brass, nickel-pl.	...-060-0197	...-060-0197	...-060-0197	-	-	-	-
0.30	Flat / Circular "K"	Brass, nickel-pl.	-	-	-	-	-	...-060-0838	...-060-0838
0.30	Flat / Circular "KOB"	Brass, nickel-pl.	-	-	-	-	...-060-0136	-	-
0.30	Flat / Circular "KOS"	Brass, nickel-pl.	-	-	-	-	...-060-0134	-	-
0.30	Flat / Circular "MC"	Brass, nickel-pl.	-	-	-	...-060-0774	-	...-060-0847	...-060-0847
0.30	Flat / Circular "T"	Brass, nickel-pl.	-	-	-	...-060-0272	-	...-060-0272	...-060-0272
0.30	Circular "R"	Stainless steel	-	-	-	-	-	...-060-0178	...-060-0178
0.30	Circular "R"	Brass, nickel-pl.	...-060-0515	...-060-0515	...-060-0515	...060-0395	...-060-0005	...-060-0150	...-060-0150
0.30	Circular "RS"	Brass, nickel-pl.	-	-	-	-	...-060-0188	-	-
0.30	Circular "R1"	Brass, nickel-pl.	-	-	-	-	...-060-0113	-	-
0.30	Circular "RS"	Stainless steel	-	-	-	-	...-060-0215	-	-
0.30	Circular jet "RZ"	Brass, nickel-pl.	-	-	-	-	-	...-060-0820	...-060-0820
0.50	Rotary jet "D"	Brass, nickel-pl.	...-060-0083	...-060-0083	...-060-0083	-	-	-	-
0.50	Rotary jet "DK"	Brass, nickel-pl.	...-060-0046	...-060-0046	...-060-0046	-	-	-	-
0.50	Rotary jet "DX"	Brass, nickel-pl.	...-060-0058	...-060-0058	...-060-0058	-	-	-	-
0.50	Flat / Circular	Brass, nickel-pl.	-	-	-	...-060-0143	-	...-060-0143	...-060-0143
0.50	Flat / Circular "B"	Brass, nickel-pl.	-	-	-	...-060-0502	-	...-060-0502	...-060-0502
0.50	Flat / Circular "C"	Aluminium / Hard-coated	...-060-0263	...-060-0263	...-060-0263	-	-	-	-
0.50	Flat / Circular "C"	Brass, PTFE	...-060-0565	...-060-0565	...-060-0565	-	-	-	-
0.50	Flat / Circular "C"	Brass, nickel-pl.	...-060-0351	...-060-0351	...-060-0351	-	-	-	-
0.50	Flat / Circular "C"	POM	...-060-0246	...-060-0246	...-060-0246	-	-	-	-
0.50	Flat / Circular "DC"	Brass, PTFE	...-060-0588	...-060-0588	...-060-0588	-	-	-	-
0.50	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0273	...-060-0273	...-060-0273	-	-	-	-
0.50	Flat / Circular "DE"	Brass, PTFE	...-060-0599	...-060-0599	...-060-0599	-	-	-	-
0.50	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0269	...-060-0269	...-060-0269	-	-	-	-
0.50	Flat / Circular "E"	Brass, PTFE	...-060-0578	...-060-0578	...-060-0578	-	-	-	-
0.50	Flat / Circular "E"	Brass, nickel-pl.	...-060-0122	...-060-0122	...-060-0122	-	-	-	-
0.50	Flat / Circular "F"	Aluminium / hard-coated	...-060-0021	...-060-0021	...-060-0021	-	-	-	-
0.50	Flat / Circular "F"	Brass, PTFE	...-060-0555	...-060-0555	...-060-0555	-	-	-	-
0.50	Flat / Circular "F"	POM	...-060-0252	...-060-0252	...-060-0252	-	-	-	-
0.50	Flat / Circular "F2"	Brass, PTFE	...-060-0609	...-060-0609	...-060-0609	-	-	-	-
0.50	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0228	...-060-0228	...-060-0228	-	-	-	-
0.50	Flat / Circular "F4"	Brass, PTFE	...-060-0618	...-060-0618	...-060-0618	-	-	-	-
0.50	Flat / Circular "F4"	Brass, nickel-pl.	...-060-0238	...-060-0238	...-060-0238	-	-	-	-
0.50	Flat / Circular "F6"	Brass, PTFE	...-060-0625	...-060-0625	...-060-0625	-	-	-	-
0.50	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0009	...-060-0009	...-060-0009	-	-	-	-
0.50	Flat / Circular "FL"	Brass, nickel-pl.	...-060-0196	...-060-0196	...-060-0196	-	-	-	-
0.50	Flat / Circular "K"	Brass, nickel-pl.	-	-	-	-	-	...-060-0839	...-060-0839
0.50	Flat / Circular "KOB"	Brass, nickel-pl.	-	-	-	-	...-060-0137	-	-
0.50	Flat / Circular "KOS"	Brass, nickel-pl.	-	-	-	-	...-060-0135	-	-
0.50	Flat / Circular "MC"	Brass, nickel-pl.	-	-	-	...-060-0775	-	...-060-0848	...-060-0848
0.50	Flat / Circular "T"	Brass, nickel-pl.	-	-	-	...-060-0323	-	...-060-0323	...-060-0323
0.50	Circular "R"	Stainless steel	-	-	-	-	-	...-060-0179	...-060-0179
0.50	Circular "R"	Brass, nickel-pl.	...-060-0070	...-060-0070	...-060-0070	...060-0396	...-060-0099	...-060-0151	...-060-0151
0.50	Circular "RS"	Brass, nickel-pl.	-	-	-	-	...-060-0189	-	-
0.50	Circular "R1"	Brass, nickel-pl.	-	-	-	-	...-060-0106	-	-
0.50	Circular "RS"	Stainless steel	-	-	-	-	...-060-0216	-	- 0,50

Automatic spray guns,
classified by size

Spray gun >			A 10	A 11	RA 2	MA 1	Mikro 3	Mikro 3	M 10
Version >							14 x 0,75	24 x 1	
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	1050...	2830...	2831...	2900...
mm	type	material	order no.	order no.	order no.	order no.	order no.	order no.	order no.
Circular jet "RZ"			-	-	-	-	-	...-060-0821	...-060-0821
0.65	Flat / Circular	Brass, nickel-pl.	-	-	-	...-060-0144	-	...-060-0144	...-060-0144
0.65	Flat / Circular "B"	Brass, nickel-pl.	-	-	-	...-060-0503	-	...-060-0503	...-060-0503
0.65	Flat / Circular "BE"	Brass, nickel-pl.	-	-	-	...-060-0161	-	...-060-0161	...-060-0161
0.65	Flat / Circular "K"	Brass, nickel-pl.	-	-	-	-	-	...-060-0840	...-060-0840
0.65	Flat / Circular "MC"	Brass, nickel-pl.	-	-	-	...-060-0776	-	...-060-0849	...-060-0849
0.65	Flat / Circular "T"	Brass, nickel-pl.	-	-	-	...-060-0504	-	...-060-0504	...-060-0504
0.65	Circular "R"	Stainless steel	-	-	-	-	-	...-060-0180	...-060-0180
0.65	Circular "R"	Brass, nickel-pl.	-	-	-	...-060-0397	...-060-0100	...-060-0152	...-060-0152
0.65	Circular "RS"	Brass, nickel-pl.	-	-	-	-	...-060-0190	-	-
0.65	Circular "R1"	Brass, nickel-pl.	-	-	-	-	...-060-0107	-	-
0.65	Circular "RS"	Stainless steel	-	-	-	-	...-060-0217	-	-
0.65	Circular jet "RZ"	Brass, nickel-pl.	-	-	-	-	-	...-060-0822	...-060-0822
0.80	Rotary jet "D"	Brass, nickel-pl.	...-060-0084	...-060-0084	...-060-0084	...-060-0410	...-060-0516	...-060-0410	...-060-0410
0.80	Rotary jet "DK"	Brass, nickel-pl.	...-060-0047	...-060-0047	...-060-0047	-	-	-	-
0.80	Rotary jet "DX"	Brass, nickel-pl.	...-060-0059	...-060-0059	...-060-0059	-	-	-	-
0.80	Flat / Circular	Brass, nickel-pl.	-	-	-	...-060-0145	-	...-060-0145	...-060-0145
0.80	Flat / Circular "B"	Brass, nickel-pl.	-	-	-	...-060-0505	-	...-060-0505	...-060-0505
0.80	Flat / Circular "C"	Aluminium / Hard-coated	...-060-0264	...-060-0264	...-060-0264	-	-	-	-
0.80	Flat / Circular "C"	Brass, PTFE	...-060-0566	...-060-0566	...-060-0566	-	-	-	-
0.80	Flat / Circular "C"	Brass, nickel-pl.	...-060-0352	...-060-0352	...-060-0352	-	-	-	-
0.80	Flat / Circular "C"	POM	...-060-0247	...-060-0247	...-060-0247	-	-	-	-
0.80	Flat / Circular "DC"	Brass, PTFE	...-060-0589	...-060-0589	...-060-0589	-	-	-	-
0.80	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0274	...-060-0274	...-060-0274	-	-	-	-
0.80	Flat / Circular "DE"	Brass, PTFE	...-060-0600	...-060-0600	...-060-0600	-	-	-	-
0.80	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0363	...-060-0363	...-060-0363	-	-	-	-
0.80	Flat / Circular "E"	Brass, PTFE	...-060-0579	...-060-0579	...-060-0579	-	-	-	-
0.80	Flat / Circular "E"	Brass, nickel-pl.	...-060-0123	...-060-0123	...-060-0123	-	-	-	-
0.80	Flat / Circular "F"	Aluminium / Hard-coated	...-060-0022	...-060-0022	...-060-0022	-	-	-	-
0.80	Flat / Circular "F"	Brass, PTFE	...-060-0556	...-060-0556	...-060-0556	-	-	-	-
0.80	Flat / Circular "F"	Brass, nickel-pl.	...-060-0198	...-060-0198	...-060-0198	-	-	-	-
0.80	Flat / Circular "F"	POM	...-060-0253	...-060-0253	...-060-0253	-	-	-	-
0.80	Flat / Circular "F1"	Brass, PTFE	...-060-0634	...-060-0634	...-060-0634	-	-	-	-
0.80	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0369	...-060-0369	...-060-0369	-	-	-	-
0.80	Flat / Circular "F2"	Brass, PTFE	...-060-0610	...-060-0610	...-060-0610	-	-	-	-
0.80	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0229	...-060-0229	...-060-0229	-	-	-	-
0.80	Flat / Circular "F4"	Brass, PTFE	...-060-0619	...-060-0619	...-060-0619	-	-	-	-
0.80	Flat / Circular "F4"	Brass, nickel-pl.	...-060-0239	...-060-0239	...-060-0239	-	-	-	-
0.80	Flat / Circular "F6"	Brass, PTFE	...-060-0626	...-060-0626	...-060-0626	-	-	-	-
0.80	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0010	...-060-0010	...-060-0010	-	-	-	-
0.80	Flat / Circular "G1"	Brass, nickel-pl.	...-060-0336	...-060-0336	...-060-0336	-	-	-	-
0.80	Flat / Circular "K"	Brass, nickel-pl.	-	-	-	-	-	...-060-0841	...-060-0841
0.80	Flat / Circular "MC"	Brass, nickel-pl.	-	-	-	...-060-0777	-	...-060-0850	...-060-0850
0.80	Circular "R"	Stainless steel	-	-	-	-	-	...-060-0181	...-060-0181
0.80	Circular "R"	Brass, nickel-pl.	...-060-0071	...-060-0071	...-060-0071	...-060-0398	...-060-0101	...-060-0153	...-060-0153
0.80	Circular "RS"	Brass, nickel-pl.	-	-	-	-	...-060-0191	-	-
0.80	Circular "R1"	Brass, nickel-pl.	-	-	-	-	...-060-0108	-	-
0.80	Circular "RS"	Stainless steel	-	-	-	-	...-060-0218	-	-
0.80	Circular jet "RZ"	Brass, nickel-pl.	-	-	-	-	-	...-060-0823	...-060-0823
1.00	Rotary jet "D"	Brass, nickel-pl.	...-060-0085	...-060-0085	...-060-0085	...-060-0411	...-060-0517	...-060-0411	...-060-0411
1.00	Rotary jet "DK"	Brass, nickel-pl.	...-060-0048	...-060-0048	...-060-0048	-	-	-	-
1.00	Rotary jet "DX"	Brass, nickel-pl.	...-060-0060	...-060-0060	...-060-0060	-	-	-	-

Spray gun >			A 10	A 11	RA 2	MA 1	Mikro 3	Mikro 3	M 10
Version >							14 x 0,75	24 x 1	
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	1050...	2830...	2831...	2900...
mm	type	material	order no.	order no.	order no.	order no.	order no.	order no.	order no.
1.00	Flat / Circular	Brass, nickel-pl.	-	-	-	...-060-0146	-	...-060-0146	...-060-0146
1.00	Flat / Circular "B"	Brass, nickel-pl.	-	-	-	...-060-0349	-	...-060-0349	...-060-0349
1.00	Flat / Circular "C"	Aluminium / Hard-coated	...-060-0350	...-060-0350	...-060-0350	-	-	-	-
1.00	Flat / Circular "C"	Brass, PTFE	...-060-0567	...-060-0567	...-060-0567	-	-	-	-
1.00	Flat / Circular "C"	Brass, nickel-pl.	...-060-0353	...-060-0353	...-060-0353	-	-	-	-
1.00	Flat / Circular "C"	POM	...-060-0248	...-060-0248	...-060-0248	-	-	-	-
1.00	Flat / Circular "DC"	Brass, PTFE	...-060-0643	...-060-0643	...-060-0643	-	-	-	-
1.00	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0275	...-060-0275	...-060-0275	-	-	-	-
1.00	Flat / Circular "DE"	Brass, PTFE	...-060-0601	...-060-0601	...-060-0601	-	-	-	-
1.00	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0364	...-060-0364	...-060-0364	-	-	-	-
1.00	Flat / Circular "E"	Brass, PTFE	...-060-0580	...-060-0580	...-060-0580	-	-	-	-
1.00	Flat / Circular "E"	Brass, nickel-pl.	...-060-0124	...-060-0124	...-060-0124	-	-	-	-
1.00	Flat / Circular "F"	Aluminium / Hard-coated	...-060-0023	...-060-0023	...-060-0023	-	-	-	-
1.00	Flat / Circular "F"	Brass, PTFE	...-060-0557	...-060-0557	...-060-0557	-	-	-	-
1.00	Flat / Circular "F"	Brass, nickel-pl.	...-060-0199	...-060-0199	...-060-0199	-	-	-	-
1.00	Flat / Circular "F"	POM	...-060-0254	...-060-0254	...-060-0254	-	-	-	-
1.00	Flat / Circular "F1"	Brass, PTFE	...-060-0635	...-060-0635	...-060-0635	-	-	-	-
1.00	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0377	...-060-0377	...-060-0377	-	-	-	-
1.00	Flat / Circular "F2"	Brass, PTFE	...-060-0611	...-060-0611	...-060-0611	-	-	-	-
1.00	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0230	...-060-0230	...-060-0230	-	-	-	-
1.00	Flat / Circular "F4"	Brass, PTFE	...-060-0620	...-060-0620	...-060-0620	-	-	-	-
1.00	Flat / Circular "F4"	Brass, nickel-pl.	...-060-0240	...-060-0240	...-060-0240	-	-	-	-
1.00	Flat / Circular "F6"	Brass, PTFE	...-060-0627	...-060-0627	...-060-0627	-	-	-	-
1.00	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0011	...-060-0011	...-060-0011	-	-	-	-
1.00	Flach / Circular "G"	Brass, nickel-pl.	...-060-0324	...-060-0324	...-060-0324	-	-	-	-
1.00	Flach/ Circular "G1"	Brass, nickel-pl.	...-060-0337	...-060-0337	...-060-0337	-	-	-	-
1.00	Flat / Circular "K"	Brass, nickel-pl.	-	-	-	-	-	...-060-0842	...-060-0842
1.00	Flat / Circular "MC"	Brass, nickel-pl.	-	-	-	...-060-0778	-	...-060-0851	...-060-0851
1.00	Flat / Circular "T"	Brass, nickel-pl.	-	-	-	...-060-0348	-	...-060-0348	...-060-0348
1.00	Circular "R"	Stainless steel	-	-	-	-	-	...-060-0182	...-060-0182
1.00	Circular "R"	Brass, nickel-pl.	...-060-0072	...-060-0072	...-060-0072	...060-0399	...-060-0102	...-060-0154	...-060-0154
1.00	Circular "RS"	Brass, nickel-pl.	-	-	-	-	...-060-0192	-	-
1.00	Circular "RS"	POM	-	-	-	-	...-060-0553	-	-
1.00	Circular "R1"	Brass, nickel-pl.	-	-	-	-	...-060-0109	-	-
1.00	Circular "RS"	Stainless steel	-	-	-	-	...-060-0219	-	-
1.00	Circular jet "RZ"	Brass, nickel-pl.	-	-	-	-	-	...-060-0824	...-060-0824
1.20	Rotary jet "D"	Brass, nickel-pl.	...-060-0086	...-060-0086	...-060-0086	...-060-0265	...-060-0518	...-060-0265	...-060-0265
1.20	Rotary jet "DK"	Brass, nickel-pl.	...-060-0049	...-060-0049	...-060-0049	-	-	-	-
1.20	Rotary jet "DX"	Brass, nickel-pl.	...-060-0061	...-060-0061	...-060-0061	-	-	-	-
1.20	Flat / Circular	Brass, nickel-pl.	-	-	-	...-060-0147	-	...-060-0147	...-060-0147
1.20	Flat / Circular "B"	Brass, nickel-pl.	-	-	-	...-060-0506	-	...-060-0506	...-060-0506
1.20	Flat / Circular "C"	Brass, PTFE	...-060-0568	...-060-0568	...-060-0568	-	-	-	-
1.20	Flat / Circular "C"	Brass, nickel-pl.	...-060-0354	...-060-0354	...-060-0354	-	-	-	-
1.20	Flat / Circular "C"	POM	...-060-0249	...-060-0249	...-060-0249	-	-	-	-
1.20	Flat / Circular "DC"	Brass, PTFE	...-060-0590	...-060-0590	...-060-0590	-	-	-	-
1.20	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0276	...-060-0276	...-060-0276	...-060-0507	-	...-060-0507	...-060-0507
1.20	Flat / Circular "DE"	Brass, PTFE	...-060-0602	...-060-0602	...-060-0602	-	-	-	-
1.20	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0365	...-060-0365	...-060-0365	-	-	-	-
1.20	Flat / Circular "E"	Brass, PTFE	...-060-0581	...-060-0581	...-060-0581	-	-	-	-
1.20	Flat / Circular "E"	Brass, nickel-pl.	...-060-0125	...-060-0125	...-060-0125	-	-	-	-
1.20	Flat / Circular "E"	POM	...-060-0260	...-060-0260	...-060-0260	-	-	-	-
1.20	Flat / Circular "F"	Aluminium / Hard-coated	...-060-0024	...-060-0024	...-060-0024	-	-	-	-
1.20	Flat / Circular "F"	Brass, PTFE	...-060-0558	...-060-0558	...-060-0558	-	-	-	-
1.20	Flat / Circular "F"	Brass, nickel-pl.	...-060-0200	...-060-0200	...-060-0200	-	-	-	-

Automatic spray guns,
classified by size

Spray gun >			A 10	A 11	RA 2	MA 1	Mikro 3	Mikro 3	M 10
Version >							14 x 0,75	24 x 1	
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	1050...	2830...	2831...	2900...
mm	type	material	order no.	order no.	order no.	order no.	order no.	order no.	order no.
1.20	Flat / Circular "F"	POM	...-060-0255	...-060-0255	...-060-0255	-	-	-	-
1.20	Flat / Circular "F1"	Brass, PTFE	...-060-0636	...-060-0636	...-060-0636	-	-	-	-
1.20	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0378	...-060-0378	...-060-0378	-	-	-	-
1.20	Flat / Circular "F2"	Brass, PTFE	...-060-0612	...-060-0612	...-060-0612	-	-	-	-
1.20	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0231	...-060-0231	...-060-0231	-	-	-	-
1.20	Flat / Circular "F4"	Brass, PTFE	...-060-0621	...-060-0621	...-060-0621	-	-	-	-
1.20	Flat / Circular "F4"	Brass, nickel-pl.	...-060-0241	...-060-0241	...-060-0241	-	-	-	-
1.20	Flat / Circular "F6"	Brass, PTFE	...-060-0628	...-060-0628	...-060-0628	-	-	-	-
1.20	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0012	...-060-0012	...-060-0012	-	-	-	-
1.20	Flat / Circular "G"	Brass, nickel-pl.	...-060-0325	...-060-0325	...-060-0325	-	-	-	-
1.20	Flat / Circular "G1"	Brass, nickel-pl.	...-060-0432	...-060-0432	...-060-0432	-	-	-	-
1.20	Flat / Circular "K"	Brass, nickel-pl.	-	-	-	-	-	...-060-0843	...-060-0843
1.20	Flat / Circular "MC"	Brass, nickel-pl.	-	-	-	...-060-0779	-	...-060-0852	...-060-0852
1.20	Circular "R"	Stainless steel	-	-	-	-	-	...-060-0183	...-060-0183
1.20	Circular "R"	Brass, nickel-pl.	...-060-0073	...-060-0073	...-060-0073	...-060-0400	...-060-0103	...-060-0155	...-060-0155
1.20	Circular "RS"	Brass, nickel-pl.	-	-	-	-	...-060-0193	-	-
1.20	Circular "R1"	Brass, nickel-pl.	-	-	-	-	...-060-0110	-	-
1.20	Circular "RS"	Stainless steel	-	-	-	-	...-060-0220	-	-
1.20	Circular jet "RZ"	Brass, nickel-pl.	-	-	-	-	-	...-060-0825	...-060-0825
1.50	Rotary jet "D"	Brass, nickel-pl.	...-060-0087	...-060-0087	...-060-0087	...-060-0412	...-060-0519	...-060-0412	...-060-0412
1.50	Rotary jet "DK"	Brass, nickel-pl.	...-060-0050	...-060-0050	...-060-0050	-	-	-	-
1.50	Rotary jet "DT"	Brass, nickel-pl.	...-060-0226	...-060-0226	...-060-0226	-	-	-	-
1.50	Rotary jet "DX"	Brass, nickel-pl.	...-060-0062	...-060-0062	...-060-0062	-	-	-	-
1.50	Flat / Circular	Brass, nickel-pl.	-	-	-	...-060-0148	-	...-060-0148	...-060-0148
1.50	Flat / Circular "C"	Brass, PTFE	...-060-0569	...-060-0569	...-060-0569	-	-	-	-
1.50	Flat / Circular "C"	Brass, nickel-pl.	...-060-0355	...-060-0355	...-060-0355	-	-	-	-
1.50	Flat / Circular "C"	POM	...-060-0250	...-060-0250	...-060-0250	-	-	-	-
1.50	Flat / Circular "DC"	Brass, PTFE	...-060-0591	...-060-0591	...-060-0591	-	-	-	-
1.50	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0277	...-060-0277	...-060-0277	-	-	-	-
1.50	Flat / Circular "DE"	Brass, PTFE	...-060-0603	...-060-0603	...-060-0603	-	-	-	-
1.50	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0270	...-060-0270	...-060-0270	-	-	-	-
1.50	Flat / Circular "E"	Brass, PTFE	...-060-0582	...-060-0582	...-060-0582	-	-	-	-
1.50	Flat / Circular "E"	Brass, nickel-pl.	...-060-0127	...-060-0127	...-060-0127	-	-	-	-
1.50	Flat / Circular "E"	POM	...-060-0261	...-060-0261	...-060-0261	-	-	-	-
1.50	Flat / Circular "F"	Aluminium / Hard-coated	...-060-0026	...-060-0026	...-060-0026	-	-	-	-
1.50	Flat / Circular "F"	Brass, PTFE	...-060-0559	...-060-0559	...-060-0559	-	-	-	-
1.50	Flat / Circular "F"	Brass, nickel-pl.	...-060-0202	...-060-0202	...-060-0202	-	-	-	-
1.50	Flat / Circular "F"	POM	...-060-0256	...-060-0256	...-060-0256	-	-	-	-
1.50	Flat / Circular "F1"	Brass, PTFE	...-060-0637	...-060-0637	...-060-0637	-	-	-	-
1.50	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0379	...-060-0379	...-060-0379	-	-	-	-
1.50	Flat / Circular "F2"	Brass, PTFE	...-060-0613	...-060-0613	...-060-0613	-	-	-	-
1.50	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0233	...-060-0233	...-060-0233	-	-	-	-
1.50	Flat / Circular "F4"	Brass, PTFE	...-060-0622	...-060-0622	...-060-0622	-	-	-	-
1.50	Flat / Circular "F4"	Brass, nickel-pl.	...-060-0242	...-060-0242	...-060-0242	-	-	-	-
1.50	Flat / Circular "F6"	Brass, PTFE	...-060-0629	...-060-0629	...-060-0629	-	-	-	-
1.50	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0014	...-060-0014	...-060-0014	-	-	-	-
1.50	Flat / Circular "G"	Brass, nickel-pl.	...-060-0326	...-060-0326	...-060-0326	-	-	-	-
1.50	Flat / Circular "GG"	Brass, nickel-pl.	...-060-0330	...-060-0330	...-060-0330	-	-	-	-
1.50	Flat / Circular "GG2"	Brass, nickel-pl.	...-060-0339	...-060-0339	...-060-0339	-	-	-	-
1.50	Flat / Circular "K"	Brass, nickel-pl.	-	-	-	-	-	...-060-0844	...-060-0844
1.50	Flat / Circular "MC"	Brass, nickel-pl.	-	-	-	...-060-0780	-	...-060-0853	...-060-0853
1.50	Circular "R"	Stainless steel	-	-	-	-	-	...-060-0184	...-060-0184
1.50	Circular "R"	Brass, nickel-pl.	...-060-0075	...-060-0075	...-060-0075	...-060-0401	...-060-0104	...-060-0156	...-060-0156
1.50	Circular "RS"	Brass, nickel-pl.	-	-	-	-	...-060-0194	-	-

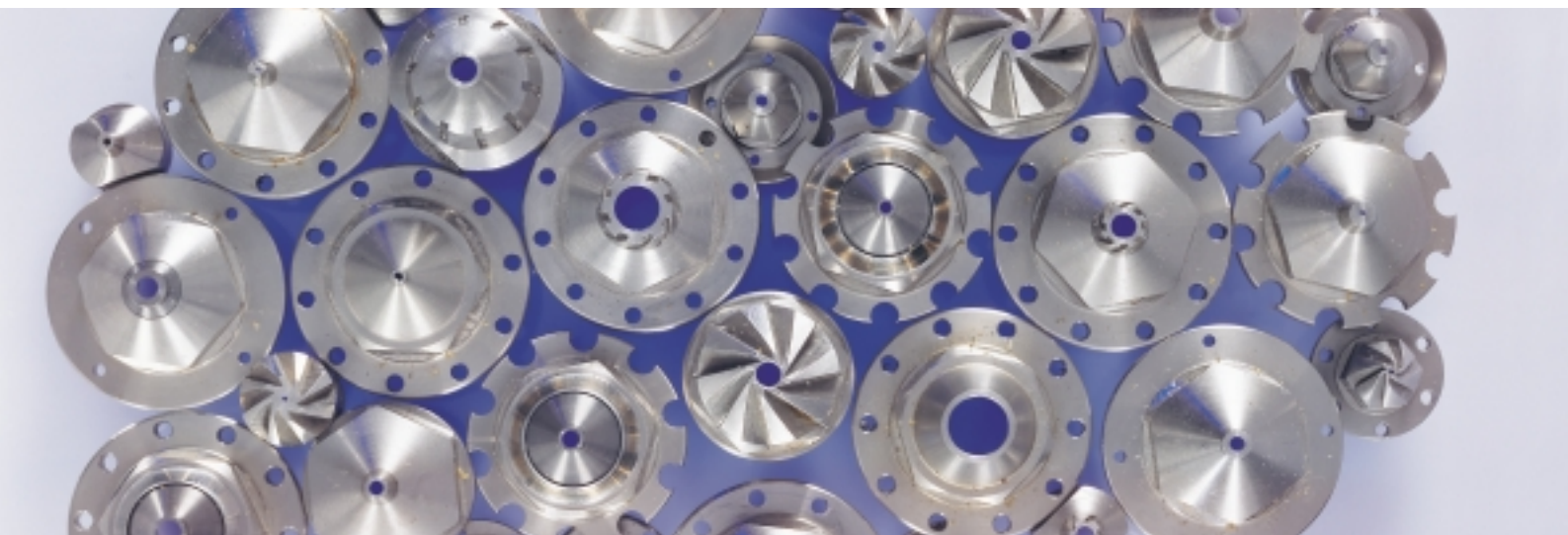
Spray gun >			A 10	A 11	RA 2	MA 1	Mikro 3	Mikro 3	M 10
Version >							14 x 0,75	24 x 1	
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	1050...	2830...	2831...	2900...
mm	type	material	order no.	order no.	order no.	order no.	order no.	order no.	order no.
1.50	Circular "R1"	Brass, nickel-pl.	-	-	-	-	...-060-0111	-	-
1.50	Circular "RS"	Stainless steel	-	-	-	-	...-060-0221	-	-
1.50	Circular jet "RZ"	Brass, nickel-pl.	-	-	-	-	-	...-060-0826	...-060-0826
1.80	Rotary jet "D"	Brass, nickel-plated	...-060-0268	...-060-0268	...-060-0268	-	-	-	-
1.80	Rotary jet "D"	Brass, nickel-pl.	...-060-0088	...-060-0088	...-060-0088	...-060-0413	...-060-0520	-	...-060-0413
1.80	Rotary jet "DK"	Brass, nickel-pl.	...-060-0051	...-060-0051	...-060-0051	-	-	-	-
1.80	Rotary jet "DX"	Brass, nickel-pl.	...-060-0063	...-060-0063	...-060-0063	-	-	-	-
1.80	Flat / Circular	Brass, nickel-pl.	-	-	-	...-060-0149	-	-	...-060-0149
1.80	Flat / Circular "C"	Brass, PTFE	...-060-0570	...-060-0570	...-060-0570	-	-	-	-
1.80	Flat / Circular "C"	Brass, nickel-pl.	...-060-0356	...-060-0356	...-060-0356	-	-	-	-
1.80	Flat / Circular "C"	POM	...-060-0251	...-060-0251	...-060-0251	-	-	-	-
1.80	Flat / Circular "DC"	Brass, PTFE	...-060-0592	...-060-0592	...-060-0592	-	-	-	-
1.80	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0278	...-060-0278	...-060-0278	-	-	-	-
1.80	Flat / Circular "DE"	Brass, PTFE	...-060-0604	...-060-0604	...-060-0604	-	-	-	-
1.80	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0271	...-060-0271	...-060-0271	-	-	-	-
1.80	Flat / Circular "E"	Brass, PTFE	...-060-0583	...-060-0583	...-060-0583	-	-	-	-
1.80	Flat / Circular "E"	Brass, nickel-pl.	...-060-0128	...-060-0128	...-060-0128	-	-	-	-
1.80	Flat / Circular "F"	Aluminium / Hard-coated	...-060-0027	...-060-0027	...-060-0027	-	-	-	-
1.80	Flat / Circular "F"	Brass, PTFE	...-060-0560	...-060-0560	...-060-0560	-	-	-	-
1.80	Flat / Circular "F"	Brass, nickel-pl.	...-060-0203	...-060-0203	...-060-0203	-	-	-	-
1.80	Flat / Circular "F"	POM	...-060-0257	...-060-0257	...-060-0257	-	-	-	-
1.80	Flat / Circular "F1"	Brass, PTFE	...-060-0638	...-060-0638	...-060-0638	-	-	-	-
1.80	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0380	...-060-0380	...-060-0380	-	-	-	-
1.80	Flat / Circular "F2"	Brass, PTFE	...-060-0614	...-060-0614	...-060-0614	-	-	-	-
1.80	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0234	...-060-0234	...-060-0234	-	-	-	-
1.80	Flat / Circular "F4"	Brass, PTFE	...-060-0623	...-060-0623	...-060-0623	-	-	-	-
1.80	Flat / Circular "F4"	Brass, nickel-pl.	...-060-0243	...-060-0243	...-060-0243	-	-	-	-
1.80	Flat / Circular "F6"	Brass, PTFE	...-060-0630	...-060-0630	...-060-0630	-	-	-	-
1.80	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0015	...-060-0015	...-060-0015	-	-	-	-
1.80	Flat / Circular "G"	Brass, nickel-pl.	...-060-0327	...-060-0327	...-060-0327	-	-	-	-
1.80	Flat / Circular "G1"	Brass, nickel-pl.	...-060-0338	...-060-0338	...-060-0338	-	-	-	-
1.80	Flat / Circular "GG2"	Brass, nickel-pl.	...-060-0331	...-060-0331	...-060-0331	-	-	-	-
1.80	Flat / Circular "K"	Brass, nickel-pl.	...-060-0340	...-060-0340	...-060-0340	-	-	-	-
1.80	Flat / Circular "K"	Brass, nickel-pl.	-	-	-	-	-	-	...-060-0845
1.80	Flat / Circular "MC"	Brass, nickel-pl.	-	-	-	...-060-0781	-	-	...-060-0854
1.80	Flat / Circular "S"	Brass, nickel-pl.	-	-	-	...-060-0765	-	-	...-060-0756
1.80	Circular "R"	Stainless steel	-	-	-	-	-	-	...-060-0185
1.80	Circular "R"	Brass, nickel-pl.	...-060-0076	...-060-0076	...-060-0076	...-060-0402	...-060-0105	-	...-060-0157
1.80	Circular "RS"	Brass, nickel-pl.	-	-	-	-	...-060-0195	-	-
1.80	Circular "R1"	Brass, nickel-pl.	-	-	-	-	...-060-0112	-	-
1.80	Circular "RS"	Stainless steel	-	-	-	-	...-060-0222	-	-
1.80	Circular jet "RZ"	Brass, nickel-pl.	-	-	-	-	-	-	...-060-0827
2.00	Rotary jet "D"	Brass, nickel-pl.	...-060-0089	...-060-0089	...-060-0089	...-060-0414	-	-	...-060-0414
2.00	Rotary jet "DK"	Brass, nickel-pl.	...-060-0052	...-060-0052	...-060-0052	-	-	-	-
2.00	Rotary jet "DX"	Brass, nickel-pl.	...-060-0064	...-060-0064	...-060-0064	-	-	-	-
2.00	Flat / Circular "C"	Brass, PTFE	...-060-0571	...-060-0571	...-060-0571	-	-	-	-
2.00	Flat / Circular "C"	Brass, nickel-pl.	...-060-0357	...-060-0357	...-060-0357	-	-	-	-
2.00	Flat / Circular "DC"	Brass, PTFE	...-060-0593	...-060-0593	...-060-0593	-	-	-	-
2.00	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0279	...-060-0279	...-060-0279	-	-	-	-
2.00	Flat / Circular "DE"	Brass, PTFE	...-060-0605	...-060-0605	...-060-0605	-	-	-	-
2.00	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0366	...-060-0366	...-060-0366	-	-	-	-
2.00	Flat / Circular "E"	Brass, PTFE	...-060-0584	...-060-0584	...-060-0584	-	-	-	-
2.00	Flat / Circular "E"	Brass, nickel-pl.	...-060-0129	...-060-0129	...-060-0129	-	-	-	-

Automatic spray guns,
classified by size

Spray gun >			A 10	A 11	RA 2	MA 1	Mikro 3	Mikro 3	M 10
Version >							14 x 0,75	24 x 1	
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	1050...	2830...	2831...	2900...
mm	type	material	order no.	order no.	order no.	order no.	order no.	order no.	order no.
2.00	Flat / Circular "F"	Aluminium / hard-coated	...-060-0028	...-060-0028	...-060-0028	-	-	-	-
2.00	Flat / Circular "F"	Brass, PTFE	...-060-0561	...-060-0561	...-060-0561	-	-	-	-
2.00	Flat / Circular "F"	Brass, nickel-pl.	...-060-0204	...-060-0204	...-060-0204	-	-	-	-
2.00	Flat / Circular "F1"	Brass, PTFE	...-060-0639	...-060-0639	...-060-0639	-	-	-	-
2.00	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0381	...-060-0381	...-060-0381	-	-	-	-
2.00	Flat / Circular "F2"	Brass, PTFE	...-060-0615	...-060-0615	...-060-0615	-	-	-	-
2.00	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0235	...-060-0235	...-060-0235	-	-	-	-
2.00	Flat / Circular "F4"	Brass, PTFE	...-060-0624	...-060-0624	...-060-0624	-	-	-	-
2.00	Flat / Circular "F4"	Brass, nickel-pl.	...-060-0244	...-060-0244	...-060-0244	-	-	-	-
2.00	Flat / Circular "F6"	Brass, PTFE	...-060-0631	...-060-0631	...-060-0631	-	-	-	-
2.00	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0016	...-060-0016	...-060-0016	-	-	-	-
2.00	Flat / Circular "G"	Brass, nickel-pl.	...-060-0328	...-060-0328	...-060-0328	-	-	-	-
2.00	Flat / Circular "GG"	Brass, nickel-pl.	...-060-0332	...-060-0332	...-060-0332	-	-	-	-
2.00	Flat / Circular "GG2"	Brass, nickel-pl.	...-060-0341	...-060-0341	...-060-0341	-	-	-	-
2.00	Flat / Circular "K"	Brass, nickel-pl.	-	-	-	-	-	-	...-060-0846
2.00	Flat / Circular "MC"	Brass, nickel-pl.	-	-	-	...-060-0855	-	-	...-060-0856
2.00	Circular "R"	Stainless steel	-	-	-	-	-	-	...-060-0186
2.00	Circular "R"	Brass, nickel-pl.	...-060-0077	...-060-0077	...-060-0077	...-060-0404	-	-	...-060-0158
2.00	Circular jet "RZ"	Brass, nickel-pl.	-	-	-	-	-	-	...-060-0828
2.20	Flat / Circular "F"	Aluminium / Hard-coated	...-060-0029	...-060-0029	...-060-0029	-	-	-	.
2.20	Flat / Circular "F"	Brass, PTFE	...-060-0562	...-060-0562	...-060-0562	-	-	-	.
2.20	Flat / Circular "F"	Brass, nickel-pl.	...-060-0205	...-060-0205	...-060-0205	-	-	-	.
2.20	Flat / Circular "F1"	Brass, PTFE	...-060-0640	...-060-0640	...-060-0640	-	-	-	.
2.20	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0382	...-060-0382	...-060-0382	-	-	-	.
2.20	Flat / Circular "F2"	Brass, PTFE	...-060-0616	...-060-0616	...-060-0616	-	-	-	.
2.20	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0236	...-060-0236	...-060-0236	-	-	-	.
2.20	Flat / Circular "F6"	Brass, PTFE	...-060-0632	...-060-0632	...-060-0632	-	-	-	.
2.20	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0017	...-060-0017	...-060-0017	-	-	-	.
2.20	Flat / Circular "GG"	Brass, nickel-pl.	...-060-0333	...-060-0333	...-060-0333	-	-	-	.
2.50	Rotary jet "D"	Brass, nickel-pl.	...-060-0090	...-060-0090	...-060-0090	...-060-0415	-	-	...-060-0415
2.50	Rotary jet "DK"	Brass, nickel-pl.	...-060-0053	...-060-0053	...-060-0053	-	-	-	-
2.50	Rotary jet "DT"	Brass, nickel-pl.	...-060-0416	...-060-0416	...-060-0416	-	-	-	-
2.50	Rotary jet "DX"	Brass, nickel-pl.	...-060-0065	...-060-0065	...-060-0065	-	-	-	-
2.50	Flat / Circular "C"	Brass, PTFE	...-060-0572	...-060-0572	...-060-0572	-	-	-	-
2.50	Flat / Circular "C"	Brass, nickel-pl.	...-060-0358	...-060-0358	...-060-0358	-	-	-	-
2.50	Flat / Circular "DC"	Brass, PTFE	...-060-0594	...-060-0594	...-060-0594	-	-	-	-
2.50	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0280	...-060-0280	...-060-0280	-	-	-	-
2.50	Flat / Circular "DE"	Brass, PTFE	...-060-0606	...-060-0606	...-060-0606	-	-	-	-
2.50	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0367	...-060-0367	...-060-0367	-	-	-	-
2.50	Flat / Circular "E"	Brass, PTFE	...-060-0585	...-060-0585	...-060-0585	-	-	-	-
2.50	Flat / Circular "E"	Brass, nickel-pl.	...-060-0130	...-060-0130	...-060-0130	-	-	-	-
2.50	Flat / Circular "E"	POM	...-060-0262	...-060-0262	...-060-0262	-	-	-	-
2.50	Flat / Circular "F"	Aluminium / Hard-coated	...-060-0030	...-060-0030	...-060-0030	-	-	-	-
2.50	Flat / Circular "F"	Brass, PTFE	...-060-0563	...-060-0563	...-060-0563	-	-	-	-
2.50	Flat / Circular "F"	Brass, nickel-pl.	...-060-0206	...-060-0206	...-060-0206	-	-	-	-
2.50	Flat / Circular "F1"	Brass, PTFE	...-060-0641	...-060-0641	...-060-0641	-	-	-	-
2.50	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0383	...-060-0383	...-060-0383	-	-	-	-
2.50	Flat / Circular "F2"	Brass, PTFE	...-060-0617	...-060-0617	...-060-0617	-	-	-	-
2.50	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0237	...-060-0237	...-060-0237	-	-	-	-
2.50	Flat / Circular "F6"	Brass, PTFE	...-060-0633	...-060-0633	...-060-0633	-	-	-	-
2.50	Flat / Circular "F6"	Brass, nickel-pl.	...-060-0018	...-060-0018	...-060-0018	-	-	-	-
2.50	Flat / Circular "G"	Brass, nickel-pl.	...-060-0329	...-060-0329	...-060-0329	-	-	-	-
2.50	Flat / Circular "GG"	Brass, nickel-pl.	...-060-0334	...-060-0334	...-060-0334	-	-	-	-
2.50	Circular "R"	Stainless steel	-	-	-	-	-	-	...-060-0187

Spray gun >			A 10	A 11	RA 2	MA 1	Mikro 3	Mikro 3	M 10
Version >							14 x 0,75	24 x 1	
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	1050...	2830...	2831...	2900...
mm	type	material	order no.	order no.	order no.	order no.	order no.	order no.	order no.
2.50	Circular "R"	Brass, nickel-pl.	...-060-0078	...-060-0078	...-060-0078	-	-	-	...-060-0159
3.00	Rotary jet "D"	Brass, nickel-pl.	...-060-0091	...-060-0091	...-060-0091	-	-	-	-
3.00	Rotary jet "DK"	Brass, nickel-pl.	...-060-0054	...-060-0054	...-060-0054	-	-	-	-
3.00	Rotary jet "DX"	Brass, nickel-pl.	...-060-0066	...-060-0066	...-060-0066	-	-	-	-
3.00	Flat / Circular "C"	Brass, PTFE	...-060-0573	...-060-0573	...-060-0573	-	-	-	-
3.00	Flat / Circular "C"	Brass, nickel-pl.	...-060-0359	...-060-0359	...-060-0359	-	-	-	-
3.00	Flat / Circular "DC"	Brass, PTFE	...-060-0595	...-060-0595	...-060-0595	-	-	-	-
3.00	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0281	...-060-0281	...-060-0281	-	-	-	-
3.00	Flat / Circular "DE"	Brass, PTFE	...-060-0607	...-060-0607	...-060-0607	-	-	-	-
3.00	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0368	...-060-0368	...-060-0368	-	-	-	-
3.00	Flat / Circular "E"	Brass, PTFE	...-060-0586	...-060-0586	...-060-0586	-	-	-	-
3.00	Flat / Circular "E"	Brass, nickel-pl.	...-060-0131	...-060-0131	...-060-0131	-	-	-	-
3.00	Flat / Circular "F"	Aluminium / Hard-coated	...-060-0031	...-060-0031	...-060-0031	-	-	-	-
3.00	Flat / Circular "F"	Brass, PTFE	...-060-0564	...-060-0564	...-060-0564	-	-	-	-
3.00	Flat / Circular "F"	Brass, nickel-pl.	...-060-0207	...-060-0207	...-060-0207	-	-	-	-
3.00	Flat / Circular "F1"	Brass, PTFE	...-060-0642	...-060-0642	...-060-0642	-	-	-	-
3.00	Flat / Circular "F1"	Brass, nickel-pl.	...-060-0384	...-060-0384	...-060-0384	-	-	-	-
3.00	Flat / Circular "GG"	Brass, nickel-pl.	...-060-0335	...-060-0335	...-060-0335	-	-	-	-
3.00	Circular "R"	Brass, nickel-pl.	...-060-0079	...-060-0079	...-060-0079	-	-	-	-
3.50	Rotary jet "D"	Brass, nickel-pl.	...-060-0092	...-060-0092	...-060-0092	-	-	-	-
3.50	Rotary jet "DK"	Brass, nickel-pl.	...-060-0055	...-060-0055	...-060-0055	-	-	-	-
3.50	Rotary jet "DX"	Brass, nickel-pl.	...-060-0067	...-060-0067	...-060-0067	-	-	-	-
3.50	Flat / Circular "C"	Brass, PTFE	...-060-0574	...-060-0574	...-060-0574	-	-	-	-
3.50	Flat / Circular "C"	Brass, nickel-pl.	...-060-0360	...-060-0360	...-060-0360	-	-	-	-
3.50	Flat / Circular "DC"	Brass, PTFE	...-060-0596	...-060-0596	...-060-0596	-	-	-	-
3.50	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0282	...-060-0282	...-060-0282	-	-	-	-
3.50	Flat / Circular "DE"	Brass, PTFE	...-060-0608	...-060-0608	...-060-0608	-	-	-	-
3.50	Flat / Circular "DE"	Brass, nickel-pl.	...-060-0535	...-060-0535	...-060-0535	-	-	-	-
3.50	Flat / Circular "E"	Brass, PTFE	...-060-0587	...-060-0587	...-060-0587	-	-	-	-
3.50	Flat / Circular "E"	Brass, nickel-pl.	...-060-0132	...-060-0132	...-060-0132	-	-	-	-
3.50	Flat / Circular "F"	Brass, nickel-pl.	...-060-0689	...-060-0689	...-060-0689	-	-	-	-
3.50	Flat / Circular "G"	Brass, nickel-pl.	...-060-0434	...-060-0434	...-060-0434	-	-	-	-
3.50	Circular "R"	Brass, nickel-pl.	...-060-0080	...-060-0080	...-060-0080	-	-	-	-
4.50	Rotary jet "D"	Brass, nickel-pl.	...-060-0093	...-060-0093	...-060-0093	-	-	-	-
4.50	Rotary jet "DK"	Brass, nickel-pl.	...-060-0056	...-060-0056	...-060-0056	-	-	-	-
4.50	Rotary jet "DX"	Brass, nickel-pl.	...-060-0068	...-060-0068	...-060-0068	-	-	-	-
4.50	Flat / Circular "C"	Brass, PTFE	...-060-0575	...-060-0575	...-060-0575	-	-	-	-
4.50	Flat / Circular "C"	Brass, nickel-pl.	...-060-0361	...-060-0361	...-060-0361	-	-	-	-
4.50	Flat / Circular "DC"	Brass, PTFE	...-060-0597	...-060-0597	...-060-0597	-	-	-	-
4.50	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0283	...-060-0283	...-060-0283	-	-	-	-
4.50	Circular "R"	Brass, nickel-pl.	...-060-0081	...-060-0081	...-060-0081	-	-	-	-
6.00	Rotary jet "D"	Brass, nickel-pl.	...-060-0094	...-060-0094	...-060-0094	-	-	-	-
6.00	Rotary jet "DK"	Brass, nickel-pl.	...-060-0057	...-060-0057	...-060-0057	-	-	-	-
6.00	Rotary jet "DX"	Brass, nickel-pl.	...-060-0069	...-060-0069	...-060-0069	-	-	-	-
6.00	Flat / Circular "C"	Brass, PTFE	...-060-0576	...-060-0576	...-060-0576	-	-	-	-
6.00	Flat / Circular "C"	Brass, nickel-pl.	...-060-0362	...-060-0362	...-060-0362	-	-	-	-
6.00	Flat / Circular "DC"	Brass, PTFE	...-060-0598	...-060-0598	...-060-0598	-	-	-	-
6.00	Flat / Circular "DC"	Brass, nickel-pl.	...-060-0284	...-060-0284	...-060-0284	-	-	-	-
6.00	Circular "R"	Brass, nickel-pl.	...-060-0082	...-060-0082	...-060-0082	-	-	-	-
0.20 - 1.80	Full-cone rotary jet "VD 6"	Brass, nickel-pl.	-	-	-	...-060-0722	-	...-060-0722	...-060-0722

[illegible]



Hand-held spray guns,
classified by material

Spray gun			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no.			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
Material	type	mm	order no.	order no.	order no.	order no.
ALU / HC	Flat / Circular "FL"	0.30	...-050-0989	...-050-0989	-	-
ALU / HC	Flat / Circular "FL"	0.50	...-050-0990	...-050-0990	-	-
ALU / HC	Flat / Circular "FL"	0.80	...-050-0991	...-050-0991	-	-
ALU / HC	Flat / Circular "FL"	1.00	...-050-0992	...-050-0992	-	-
ALU / HC	Flat / Circular "FL"	1.20	...-050-0993	...-050-0993	-	-
ALU / HC	Flat / Circular "FL"	1.50	...-050-0994	...-050-0994	-	-
Stainless steel	Rotary jet "D"	0.50	...-050-0970	...-050-0970	-	-
Stainless steel	Rotary jet "D"	0.80	...-050-0971	...-050-0971	...-050-1022	...-050-1022
Stainless steel	Rotary jet "D"	1.00	...-050-0972	...-050-0972	...-050-1023	...-050-1023
Stainless steel	Rotary jet "D"	1.20	...-050-0973	...-050-0973	...-050-1024	...-050-1024
Stainless steel	Rotary jet "D"	1.50	...-050-0974	...-050-0974	...-050-1025	...-050-1025
Stainless steel	Rotary jet "D"	1.80	...-050-0975	...-050-0975	...-050-1026	...-050-1026
Stainless steel	Rotary jet "D"	2.00	...-050-0976	...-050-0976	...-050-1027	...-050-1027
Stainless steel	Rotary jet "D"	2.50	...-050-0977	...-050-0977	...-050-1028	...-050-1028
Stainless steel	Rotary jet "D"	3.00	...-050-0978	...-050-0978	-	-
Stainless steel	Rotary jet "D"	3.50	...-050-0979	...-050-0979	-	-
Stainless steel	Rotary jet "D"	4.50	...-050-0980	...-050-0980	-	-
Stainless steel	Rotary jet "D"	6.00	...-050-0981	...-050-0981	-	-
Stainless steel	Rotary jet "DT"	1.50	...-050-0219	...-050-0219	-	-
Stainless steel	Rotary jet "DT"	2.50	...-050-0220	...-050-0220	-	-
Stainless steel	Flat / Circular "FF"	0.30	...-050-1506	...-050-1506	-	-
Stainless steel	Flat / Circular "FF"	0.50	...-050-1507	...-050-1507	-	-
Stainless steel	Flat / Circular "FF"	0.80	...-050-1508	...-050-1508	-	-
Stainless steel	Flat / Circular "FF"	1.00	...-050-1509	...-050-1509	-	-
Stainless steel	Flat / Circular "FF"	1.20	...-050-1510	...-050-1510	-	-
Stainless steel	Flat / Circular "FF"	1.50	...-050-1512	...-050-1512	-	-
Stainless steel	Flat / Circular "FF"	1.80	...-050-1513	...-050-1513	-	-
Stainless steel	Flat / Circular "FF"	2.00	...-050-1514	...-050-1514	-	-
Stainless steel	Flat / Circular "FF"	2.20	...-050-1515	...-050-1515	-	-
Stainless steel	Flat / Circular "FF"	2.50	...-050-1516	...-050-1516	-	-
Stainless steel	Flat / Circular "FF"	3.00	...-050-1517	...-050-1517	-	-
Stainless steel	Flat / Circular "FF"	3.50	...-050-1518	...-050-1518	-	-
Stainless steel	Flat / Circular "FF"	4.50	...-050-1519	...-050-1519	-	-
Stainless steel	Flat / Circular "FF"	6.00	...-050-1520	...-050-1520	-	-
Stainless steel	Flat / Circular "FL"	0.30	...-050-0642	...-050-0642	...-050-0165	...-050-0165
Stainless steel	Flat / Circular "FL"	0.50	...-050-0643	...-050-0643	...-050-0166	...-050-0166
Stainless steel	Flat / Circular "FL"	0.65	-	-	...-050-0167	...-050-0167
Stainless steel	Flat / Circular "FL"	0.80	...-050-0645	...-050-0645	...-050-0168	...-050-0168
Stainless steel	Flat / Circular "FL"	1.00	...-050-0647	...-050-0647	...-050-0169	...-050-0169
Stainless steel	Flat / Circular "FL"	1.20	...-050-0648	...-050-0648	...-050-0170	...-050-0170
Stainless steel	Flat / Circular "FL"	1.50	...-050-0650	...-050-0650	...-050-0171	...-050-0171
Stainless steel	Flat / Circular "FL"	1.80	...-050-0651	...-050-0651	...-050-0172	...-050-0172
Stainless steel	Flat / Circular "FL"	2.00	...-050-0652	...-050-0652	...-050-0926	...-050-0926
Stainless steel	Flat / Circular "FL"	2.20	...-050-0653	...-050-0653	-	-
Stainless steel	Flat / Circular "FL"	2.50	...-050-0654	...-050-0654	-	-
Stainless steel	Flat / Circular "FL"	3.00	...-050-0655	...-050-0655	-	-
Stainless steel	Flat / Circular "FL"	3.50	...-050-0656	...-050-0656	-	-
Stainless steel	Flat / Circular "FL"	4.50	...-050-0657	...-050-0657	-	-
Stainless steel	Flat / Circular "FL"	6.00	...-050-0658	...-050-0658	-	-
Stainless steel	Circular jet "R"	0.20	-	-	...-050-1132	...-050-1132
Stainless steel	Circular jet "R"	0.30	...-050-0677	...-050-0677	...-050-0157	...-050-0157
Stainless steel	Circular jet "R"	0.50	...-050-0678	...-050-0678	...-050-0158	...-050-0158

Hand-held spray guns,
classified by material

Spray gun			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no.			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
Material	type	mm	order no.	order no.	order no.	order no.
Stainless steel	Circular jet "R"	0.65	-	-	...-050-0159	...-050-0159
Stainless steel	Circular jet "R"	0.80	...-050-0679	...-050-0679	...-050-0160	...-050-0160
Stainless steel	Circular jet "R"	1.00	...-050-0680	...-050-0680	...-050-0161	...-050-0161
Stainless steel	Circular jet "R"	1.20	...-050-0681	...-050-0681	...-050-0162	...-050-0162
Stainless steel	Circular jet "R"	1.50	...-050-0682	...-050-0682	...-050-0163	...-050-0163
Stainless steel	Circular jet "R"	1.80	...-050-0683	...-050-0683	...-050-0164	...-050-0164
Stainless steel	Circular jet "R"	2.00	...-050-0684	...-050-0684	...-050-0260	...-050-0260
Stainless steel	Circular jet "R"	2.50	...-050-0685	...-050-0685	...-050-0261	...-050-0261
Stainless steel	Circular jet "R"	3.00	...-050-0686	...-050-0686	-	-
Stainless steel	Circular jet "R"	3.50	...-050-0687	...-050-0687	-	-
Stainless steel	Circular jet "R"	4.50	...-050-0688	...-050-0688	-	-
Stainless steel	Circular jet "R"	6.00	...-050-0689	...-050-0689	-	-
Stainless steel	Mottle "SP"	1.50	...-050-0932	...-050-0932	-	-
Stainless steel	Mottle "SP"	2.50	...-050-0933	...-050-0933	-	-
Stainless steel	Rotary jet "DZ"	0.30	...-050-1031	...-050-1031	-	-
Stainless steel	Rotary jet "DZ"	0.50	...-050-0690	...-050-0690	-	-
Stainless steel	Rotary jet "DZ"	0.80	...-050-0691	...-050-0691	-	-
Stainless steel	Rotary jet "DZ"	1.00	...-050-0692	...-050-0692	-	-
Stainless steel	Rotary jet "DZ"	1.20	...-050-0693	...-050-0693	-	-
Stainless steel	Rotary jet "DZ"	1.50	...-050-0694	...-050-0694	-	-
Stainless steel	Rotary jet "DZ"	1.80	...-050-0695	...-050-0695	-	-
Stainless steel	Rotary jet "DZ"	2.00	...-050-1033	...-050-1033	-	-
Stainless steel	Rotary jet "DZ"	2.50	...-050-1035	...-050-1035	-	-
Stainless steel	Rotary jet "HD"	0.30	-	-	...-050-1102	...-050-1102
Stainless steel	Rotary jet "HD"	0.50	-	-	...-050-1100	...-050-1100
Stainless steel	Rotary jet "HD"	0.65	-	-	...-050-1101	...-050-1101
Stainless steel	Rotary jet "HD"	0.80	-	-	...-050-1106	...-050-1106
Stainless steel	Rotary jet "VD"	0.20	-	-	...-050-1262	...-050-1262
Stainless steel	Rotary jet "VD"	0.30	-	-	...-050-0001	...-050-0001
Stainless steel	Rotary jet "VD"	0.50	-	-	...-050-0002	...-050-0002
Stainless steel	Rotary jet "VD"	0.80	-	-	...-050-0003	...-050-0003
Stainless steel	Rotary jet "VD"	1.00	-	-	...-050-0004	...-050-0004
Stainless steel	Rotary jet "VD"	1.20	-	-	...-050-0005	...-050-0005
Stainless steel	Rotary jet "VD"	1.50	-	-	...-050-0006	...-050-0006
Stainless steel	Rotary jet "VD"	1.80	-	-	...-050-0007	...-050-0007
Stainless steel / hard-coated	Rotary jet "D"	0.50	...-050-1060	...-050-1060	-	-
Stainless steel / hard-coated	Rotary jet "D"	0.80	...-050-1051	...-050-1051	...-050-1170	...-050-1170
Stainless steel / hard-coated	Rotary jet "D"	1.00	...-050-1052	...-050-1052	...-050-1171	...-050-1171
Stainless steel / hard-coated	Rotary jet "D"	1.20	...-050-1053	...-050-1053	...-050-1172	...-050-1172
Stainless steel / hard-coated	Rotary jet "D"	1.50	...-050-1054	...-050-1054	...-050-1173	...-050-1173
Stainless steel / hard-coated	Rotary jet "D"	1.80	...-050-1055	...-050-1055	...-050-1174	...-050-1174
Stainless steel / hard-coated	Rotary jet "D"	2.00	...-050-0952	...-050-0952	...-050-1175	...-050-1175
Stainless steel / hard-coated	Rotary jet "D"	2.50	...-050-0206	...-050-0206	...-050-1176	...-050-1176
Stainless steel / hard-coated	Rotary jet "D"	3.00	...-050-1056	...-050-1056	-	-
Stainless steel / hard-coated	Rotary jet "D"	3.50	...-050-0207	...-050-0207	-	-
Stainless steel / hard-coated	Rotary jet "D"	4.50	...-050-1057	...-050-1057	-	-
Stainless steel / hard-coated	Rotary jet "D"	6.00	...-050-1058	...-050-1058	-	-
Stainless steel / hard-coated	Flat / Circular "FF"	1.80	...-050-1623	...-050-1623	-	-
Stainless steel / hard-coated	Flat / Circular "FF"	2.50	...-050-1618	...-050-1618	-	-
Stainless steel / hard-coated	Flat / Circular "FL"	0.20	-	-	...-050-1256	...-050-1256
Stainless steel / hard-coated	Flat / Circular "FL"	0.30	...-050-1214	...-050-1214	...-050-1257	...-050-1257
Stainless steel / hard-coated	Flat / Circular "FL"	0.50	...-050-0659	...-050-0659	...-050-1258	...-050-0263

Spray gun			HS 25		Perfekt 4		Mignon 3		TFP 1	
Version / type no.			gravity feed / 2500...		gravity feed / 0660...		gravity feed / 0850...		0820...	
(Please state type no. in front of order no.)			suction feed / 2500...		suction feed / 0660...		suction feed / 0850...			
					pressure feed / 0500...		material feed			
					equi-pressure / 0500...		in gun handle / 0850...			
Material			type		mm		order no.		order no.	
Stainless steel / hard-coated			Flat / Circular "FL"		0.65		-		...-050-0270 ...-050-0270	
Stainless steel / hard-coated			Flat / Circular "FL"		0.80		...-050-0660		...-050-0660 ...-050-0271 ...-050-0271	
Stainless steel / hard-coated			Flat / Circular "FL"		1.00		...-050-0661		...-050-0661 ...-050-0272 ...-050-0272	
Stainless steel / hard-coated			Flat / Circular "FL"		1.20		...-050-0662		...-050-0662 ...-050-0273 ...-050-0273	
Stainless steel / hard-coated			Flat / Circular "FL"		1.50		...-050-0663		...-050-0663 ...-050-0274 ...-050-0274	
Stainless steel / hard-coated			Flat / Circular "FL"		1.80		...-050-0664		...-050-0664 ...-050-0275 ...-050-0275	
Stainless steel / hard-coated			Flat / Circular "FL"		2.00		...-050-0665		...-050-0665 - -	
Stainless steel / hard-coated			Flat / Circular "FL"		2.50		...-050-0666		...-050-0666 - -	
Stainless steel / hard-coated			Flat / Circular "FL"		3.00		...-050-0667		...-050-0667 - -	
Stainless steel / hard-coated			Flat / Circular "FL"		3.50		...-050-0668		...-050-0668 - -	
Stainless steel / hard-coated			Flat / Circular "FL"		4.50		...-050-0669		...-050-0669 - -	
Stainless steel / hard-coated			Flat / Circular "FL"		6.00		...-050-0670		...-050-0670 - -	
Stainless steel / hard-coated			Circular jet "R"		0.20		-		...-050-1133 ...-050-1133	
Stainless steel / hard-coated			Circular jet "R"		0.30		...-050-1200		...-050-1200 ...-050-0262 ...-050-0262	
Stainless steel / hard-coated			Circular jet "R"		0.50		...-050-1201		...-050-1201 ...-050-0263 ...-050-0263	
Stainless steel / hard-coated			Circular jet "R"		0.65		-		...-050-0264 ...-050-0264	
Stainless steel / hard-coated			Circular jet "R"		0.80		...-050-1202		...-050-1202 ...-050-0265 ...-050-0265	
Stainless steel / hard-coated			Circular jet "R"		1.00		...-050-0251		...-050-0251 ...-050-0266 ...-050-0266	
Stainless steel / hard-coated			Circular jet "R"		1.20		...-050-0252		...-050-0252 ...-050-0267 ...-050-0267	
Stainless steel / hard-coated			Circular jet "R"		1.50		...-050-1203		...-050-1203 ...-050-0268 ...-050-0268	
Stainless steel / hard-coated			Circular jet "R"		1.80		...-050-1204		...-050-1204 ...-050-0269 ...-050-0269	
Stainless steel / hard-coated			Circular jet "R"		2.00		...-050-1205		...-050-1205 - -	
Stainless steel / hard-coated			Circular jet "R"		2.50		...-050-1206		...-050-1206 - -	
Stainless steel / hard-coated			Circular jet "R"		3.00		...-050-0253		...-050-0253 - -	
Stainless steel / hard-coated			Circular jet "R"		3.50		...-050-1207		...-050-1207 - -	
Stainless steel / hard-coated			Circular jet "R"		4.50		...-050-1208		...-050-1208 - -	
Stainless steel / hard-coated			Circular jet "R"		6.00		...-050-1209		...-050-1209 - -	
Stainless steel / PTFE			Flat / Circular "FL"		0.80		-		...-050-2077 ...-050-2077	
Tungsten carbide			Flat / Circular "FL"		1.20		...-050-0966		...-050-0966 - -	
Tungsten carbide			Flat / Circular "FL"		1.50		...-050-0967		...-050-0967 - -	
Tungsten carbide			Flat / Circular "FL"		1.80		...-050-0968		...-050-0968 - -	
Tungsten carbide			Flat / Circular "FL"		2.00		...-050-1167		...-050-1167 - -	
Tungsten carbide			Flat / Circular "FL"		2.20		...-050-1622		...-050-1622 - -	
Tungsten carbide			Flat / Circular "FL"		2.50		...-050-0969		...-050-0969 - -	
POM			Flat / Circular "FL"		0.50		...-050-0982		...-050-0982 - -	
POM			Flat / Circular "FL"		0.80		...-050-0983		...-050-0983 - -	
POM			Flat / Circular "FL"		1.00		...-050-0984		...-050-0984 - -	
POM			Flat / Circular "FL"		1.20		...-050-0985		...-050-0985 - -	
POM			Flat / Circular "FL"		1.50		...-050-0986		...-050-0986 - -	
POM			Flat / Circular "FL"		1.80		...-050-0987		...-050-0987 - -	
POM			Flat / Circular "FL"		2.00		...-050-0988		...-050-0988 - -	
POM			Circular jet "R"		1.00		-		...-050-1238 ...-050-1238	

Hand-held spray guns,
classified by size

Spray gun >			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no. >			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
mm	type	material	order no.	order no.	order no.	order no.
0.20	Circular jet "R"	Stainless steel	-	-	...-050-1132	...-050-1132
0.20	Rotary jet "VD"	Stainless steel	-	-	...-050-1262	...-050-1262
0.20	Flat / Circular "FL"	Stainless steel / hard-coated	-	-	...-050-1256	...-050-1256
0.20	Circular jet "R"	Stainless steel / hard-coated	-	-	...-050-1133	...-050-1133
0.30	Flat / Circular "FL"	Aluminium / hard-coated	...-050-0989	...-050-0989	-	-
0.30	Flat / Circular "FF"	Stainless steel	...-050-1506	...-050-1506	-	-
0.30	Flat / Circular "FL"	Stainless steel	...-050-0642	...-050-0642	...-050-0165	...-050-0165
0.30	Circular jet "R"	Stainless steel	...-050-0677	...-050-0677	...-050-0157	...-050-0157
0.30	Rotary jet "DZ"	Stainless steel	...-050-1031	...-050-1031	-	-
0.30	Rotary jet "HD"	Stainless steel	-	-	...-050-1102	...-050-1102
0.30	Rotary jet "VD"	Stainless steel	-	-	...-050-0001	...-050-0001
0.30	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-1214	...-050-1214	...-050-1257	...-050-1257
0.30	Circular jet "R"	Stainless steel / hard-coated	...-050-1200	...-050-1200	...-050-0262	...-050-0262
0.50	Flat / Circular "FL"	Aluminium / hard-coated	...-050-0990	...-050-0990	-	-
0.50	Rotary jet "D"	Stainless steel	...-050-0970	...-050-0970	-	-
0.50	Flat / Circular "FF"	Stainless steel	...-050-1507	...-050-1507	-	-
0.50	Flat / Circular "FL"	Stainless steel	...-050-0643	...-050-0643	...-050-0166	...-050-0166
0.50	Circular jet "R"	Stainless steel	...-050-0678	...-050-0678	...-050-0158	...-050-0158
0.50	Rotary jet "DZ"	Stainless steel	...-050-0690	...-050-0690	-	-
0.50	Rotary jet "HD"	Stainless steel	-	-	...-050-1100	...-050-1100
0.50	Rotary jet "VD"	Stainless steel	-	-	...-050-0002	...-050-0002
0.50	Rotary jet "D"	Stainless steel / hard-coated	...-050-1060	...-050-1060	-	-
0.50	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0659	...-050-0659	...-050-1258	...-050-0263
0.50	Circular jet "R"	Stainless steel / hard-coated	...-050-1201	...-050-1201	...-050-0263	...-050-0263
0.50	Flat / Circular "FL"	POM	...-050-0982	...-050-0982	-	-
0.65	Flat / Circular "FL"	Stainless steel	-	-	...-050-0167	...-050-0167
0.65	Circular jet "R"	Stainless steel	-	-	...-050-0159	...-050-0159
0.65	Rotary jet "HD"	Stainless steel	-	-	...-050-1101	...-050-1101
0.65	Flat / Circular "FL"	Stainless steel / hard-coated	-	-	...-050-0270	...-050-0270
0.65	Circular jet "R"	Stainless steel / hard-coated	-	-	...-050-0264	...-050-0264
0.80	Flat / Circular "FL"	Aluminium / hard-coated	...-050-0991	...-050-0991	-	-
0.80	Rotary jet "D"	Stainless steel	...-050-0971	...-050-0971	...-050-1022	...-050-1022
0.80	Flat / Circular "FF"	Stainless steel	...-050-1508	...-050-1508	-	-
0.80	Flat / Circular "FL"	Stainless steel	...-050-0645	...-050-0645	...-050-0168	...-050-0168
0.80	Circular jet "R"	Stainless steel	...-050-0679	...-050-0679	...-050-0160	...-050-0160
0.80	Rotary jet "DZ"	Stainless steel	...-050-0691	...-050-0691	-	-
0.80	Rotary jet "D"	Stainless steel	-	-	...-050-1022	...-050-1022
0.80	Rotary jet "HD"	Stainless steel	-	-	...-050-1106	...-050-1106
0.80	Rotary jet "VD"	Stainless steel	-	-	...-050-0003	...-050-0003
0.80	Rotary jet "D"	Stainless steel / hard-coated	...-050-1051	...-050-1051	...-050-1170	...-050-1170
0.80	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0660	...-050-0660	...-050-0271	...-050-0271
0.80	Circular jet "R"	Stainless steel / hard-coated	...-050-1202	...-050-1202	...-050-0265	...-050-0265
0.80	Flat / Circular "FL"	POM	...-050-0983	...-050-0983	-	-
0.80	Flat / Circular "FL"	Stainless steel / PTFE	-	-	...-050-2077	...-050-2077
1.00	Flat / Circular "FL"	Aluminium / hard-coated	...-050-0992	...-050-0992	-	-
1.00	Rotary jet "D"	Stainless steel	...-050-0972	...-050-0972	...-050-1023	...-050-1023
1.00	Flat / Circular "FF"	Stainless steel	...-050-1509	...-050-1509	-	-
1.00	Flat / Circular "FL"	Stainless steel	...-050-0647	...-050-0647	...-050-0169	...-050-0169

Hand-held spray guns,
classified by size

Spray gun			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no.			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
mm	type	material	order no.	order no.	order no.	order no.
1,00	Circular jet "R"	Stainless steel	...-050-0680	...-050-0680	...-050-0161	...-050-0161
1,00	Rotary jet "DZ"	Stainless steel	...-050-0692	...-050-0692	-	-
1,00	Rotary jet "D"	Stainless steel	-	-	...-050-1023	...-050-1023
1,00	Rotary jet "VD"	Stainless steel	-	-	...-050-0004	...-050-0004
1,00	Rotary jet "D"	Stainless steel / hard-coated	...-050-1052	...-050-1052	...-050-1171	...-050-1171
1,00	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0661	...-050-0661	...-050-0272	...-050-0272
1,00	Circular jet "R"	Stainless steel / hard-coated	...-050-0251	...-050-0251	...-050-0266	...-050-0266
1,00	Flat / Circular "FL"	POM	...-050-0984	...-050-0984	-	-
1,00	Circular jet "R"	POM	-	-	...-050-1238	...-050-1238
1,20	Flat / Circular "FL"	Aluminium / hard-coated	...-050-0993	...-050-0993	-	-
1,20	Rotary jet "D"	Stainless steel	...-050-0973	...-050-0973	...-050-1024	...-050-1024
1,20	Flat / Circular "FF"	Stainless steel	...-050-1510	...-050-1510	-	-
1,20	Flat / Circular "FL"	Stainless steel	...-050-0648	...-050-0648	...-050-0170	...-050-0170
1,20	Circular jet "R"	Stainless steel	...-050-0681	...-050-0681	...-050-0162	...-050-0162
1,20	Rotary jet "DZ"	Stainless steel	...-050-0693	...-050-0693	-	-
1,20	Rotary jet "VD"	Stainless steel	-	-	...-050-0005	...-050-0005
1,20	Rotary jet "D"	Stainless steel / hard-coated	...-050-1053	...-050-1053	...-050-1172	...-050-1172
1,20	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0662	...-050-0662	...-050-0723	...-050-0723
1,20	Circular jet "R"	Stainless steel / hard-coated	...-050-0252	...-050-0252	...-050-0267	...-050-0267
1,20	Flat / Circular "FL"	Tungsten carbide	...-050-0966	...-050-0966	-	-
1,20	Flat / Circular "FL"	POM	...-050-0985	...-050-0985	-	-
1,50	Flat / Circular "FL"	Aluminium / hard-coated	...-050-0994	...-050-0994	-	-
1,50	Rotary jet "D"	Stainless steel	...-050-0974	...-050-0974	...-050-1025	...-050-1025
1,50	Rotary jet "DT"	Stainless steel	...-050-0219	...-050-0219	-	-
1,50	Flat / Circular "FF"	Stainless steel	...-050-1512	...-050-1512	-	-
1,50	Flat / Circular "FL"	Stainless steel	...-050-0650	...-050-0650	...-050-0171	...-050-0171
1,50	Circular jet "R"	Stainless steel	...-050-0682	...-050-0682	...-050-0163	...-050-0163
1,50	Mottle "SP"	Stainless steel	...-050-0932	...-050-0932	-	-
1,50	Rotary jet "DZ"	Stainless steel	...-050-0694	...-050-0694	-	-
1,50	Rotary jet "VD"	Stainless steel	-	-	...-050-0006	...-050-0006
1,50	Rotary jet "D"	Stainless steel / hard-coated	...-050-1054	...-050-1054	...-050-1173	...-050-1173
1,50	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0663	...-050-0663	...-050-0274	...-050-0274
1,50	Circular jet "R"	Stainless steel / hard-coated	...-050-1203	...-050-1203	...-050-0268	...-050-0268
1,50	Flat / Circular "FL"	Tungsten carbide	...-050-0967	...-050-0967	-	-
1,50	Flat / Circular "FL"	POM	...-050-0986	...-050-0986	-	-
1,80	Rotary jet "D"	Stainless steel	...-050-0975	...-050-0975	...-050-1026	...-050-1026
1,80	Flat / Circular "FF"	Stainless steel	...-050-1513	...-050-1513	-	-
1,80	Flat / Circular "FL"	Stainless steel	...-050-0651	...-050-0651	...-050-0172	...-050-0172
1,80	Circular jet "R"	Stainless steel	...-050-0683	...-050-0683	...-050-0164	...-050-0164
1,80	Rotary jet "DZ"	Stainless steel	...-050-0695	...-050-0695	-	-
1,80	Rotary jet "VD"	Stainless steel	-	-	...-050-0007	...-050-0007
1,80	Rotary jet "D"	Stainless steel / hard-coated	...-050-1055	...-050-1055	...-050-1174	...-050-1174
1,80	Flat / Circular "FF"	Stainless steel / hard-coated	...-050-1623	...-050-1623	-	-
1,80	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0664	...-050-0664	...-050-0275	...-050-0275
1,80	Circular jet "R"	Stainless steel / hard-coated	...-050-1204	...-050-1204	...-050-0269	...-050-0269
1,80	Flat / Circular "FL"	Tungsten carbide	...-050-0968	...-050-0968	-	-
1,80	Flat / Circular "FL"	POM	...-050-0987	...-050-0987	-	-
2,00	Rotary jet "D"	Stainless steel	...-050-0976	...-050-0976	...-050-1027	...-050-1027
2,00	Flat / Circular "FF"	Stainless steel	...-050-1514	...-050-1514	-	-

Hand-held spray guns,
classified by size

Spray gun >			HS 25	Perfekt 4	Mignon 3	TFP 1
Version / type no. >			gravity feed / 2500...	gravity feed / 0660...	gravity feed / 0850...	0820...
(Please state type no. in front of order no.)			suction feed / 2500...	suction feed / 0660...	suction feed / 0850...	
				pressure feed / 0500...	material feed	
				equi-pressure / 0500...	in gun handle / 0850...	
mm	type	material	order no.	order no.	order no.	order no.
2.00	Flat / Circular "FL"	Stainless steel	...-050-0652	...-050-0652	...-050-0926	...-050-0926
2.00	Circular jet "R"	Stainless steel	...-050-0684	...-050-0684	...-050-0260	...-050-0260
2.00	Rotary jet "DZ"	Stainless steel	...-050-1033	...-050-1033	-	-
2.00	Rotary jet "D"	Stainless steel / hard-coated	...-050-0952	...-050-0952	...-050-1175	...-050-1175
2.00	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0665	...-050-0665	-	-
2.00	Circular jet "R"	Stainless steel / hard-coated	...-050-1205	...-050-1205	-	-
2.00	Flat / Circular "FL"	Tungsten carbide	...-050-1167	...-050-1167	-	-
2.00	Flat / Circular "FL"	POM	...-050-0988	...-050-0988	-	-
2.20	Flat / Circular "FF"	Stainless steel	...-050-1515	...-050-1515	-	-
2.20	Flat / Circular "FL"	Stainless steel	...-050-0653	...-050-0653	-	-
2.20	Flat / Circular "FL"	Tungsten carbide	...-050-1622	...-050-1622	-	-
2.50	Rotary jet "D"	Stainless steel	...-050-0977	...-050-0977	...-050-1028	...-050-1028
2.50	Rotary jet "DT"	Stainless steel	...-050-0220	...-050-0220	-	-
2.50	Flat / Circular "FF"	Stainless steel	...-050-1516	...-050-1516	-	-
2.50	Flat / Circular "FL"	Stainless steel	...-050-0654	...-050-0654	-	-
2.50	Circular jet "R"	Stainless steel	...-050-0685	...-050-0685	...-050-0261	...-050-0261
2.50	Mottle "SP"	Stainless steel	...-050-0933	...-050-0933	-	-
2.50	Rotary jet "DZ"	Stainless steel	...-050-1035	...-050-1035	-	-
2.50	Rotary jet "D"	Stainless steel / hard-coated	...-050-0206	...-050-0206	...-050-1176	...-050-1176
2.50	Flat / Circular "FF"	Stainless steel / hard-coated	...-050-1618	...-050-1618	-	-
2.50	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0666	...-050-0666	-	-
2.50	Circular jet "R"	Stainless steel / hard-coated	...-050-1206	...-050-1206	-	-
2.50	Flat / Circular "FL"	Tungsten carbide	...-050-0969	...-050-0969	-	-
3.00	Rotary jet "D"	Stainless steel	...-050-0978	...-050-0978	-	-
3.00	Flat / Circular "FF"	Stainless steel	...-050-1517	...-050-1517	-	-
3.00	Flat / Circular "FL"	Stainless steel	...-050-0655	...-050-0655	-	-
3.00	Circular jet "R"	Stainless steel	...-050-0686	...-050-0686	-	-
3.00	Rotary jet "D"	Stainless steel / hard-coated	...-050-1056	...-050-1056	-	-
3.00	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0667	...-050-0667	-	-
3.00	Circular jet "R"	Stainless steel / hard-coated	...-050-0253	...-050-0253	-	-
3.50	Rotary jet "D"	Stainless steel	...-050-0979	...-050-0979	-	-
3.50	Flat / Circular "FF"	Stainless steel	...-050-1518	...-050-1518	-	-
3.50	Flat / Circular "FL"	Stainless steel	...-050-0656	...-050-0656	-	-
3.50	Circular jet "R"	Stainless steel	...-050-0687	...-050-0687	-	-
3.50	Rotary jet "D"	Stainless steel / hard-coated	...-050-0207	...-050-0207	-	-
3.50	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0668	...-050-0668	-	-
3.50	Circular jet "R"	Stainless steel / hard-coated	...-050-1207	...-050-1207	-	-
4.50	Rotary jet "D"	Stainless steel	...-050-0980	...-050-0980	-	-
4.50	Flat / Circular "FF"	Stainless steel	...-050-1519	...-050-1519	-	-
4.50	Flat / Circular "FL"	Stainless steel	...-050-0657	...-050-0657	-	-
4.50	Circular jet "R"	Stainless steel	...-050-0688	...-050-0688	-	-
4.50	Rotary jet "D"	Stainless steel / hard-coated	...-050-1057	...-050-1057	-	-
4.50	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0669	...-050-0669	-	-
4.50	Circular jet "R"	Stainless steel / hard-coated	...-050-1208	...-050-1208	-	-
6.00	Rotary jet "D"	Stainless steel	...-050-0981	...-050-0981	-	-
6.00	Flat / Circular "FF"	Stainless steel	...-050-1520	...-050-1520	-	-
6.00	Flat / Circular "FL"	Stainless steel	...-050-0658	...-050-0658	-	-
6.00	Circular jet "R"	Stainless steel	...-050-0689	...-050-0689	-	-

Spray gun >			A 10	A 11	RA 2	M 10	MA 1	Mikro 3	Mikro 3
Version >								14 x 0,75	24 x 1
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	2900...	1050...	2830...	2831...
Material	type	mm	order no.	order no.	order no.	order no.	order no.	order no.	order no.
Aluminium / hard-coated	Flat / Circular "FL"	0.30	...-050-0989	...-050-0989	...-050-0989	-	-	-	-
Aluminium / hard-coated	Flat / Circular "FL"	0.50	...-050-0990	...-050-0990	...-050-0990	-	-	-	-
Aluminium / hard-coated	Flat / Circular "FL"	0.80	...-050-0991	...-050-0991	...-050-0991	-	-	-	-
Aluminium / hard-coated	Flat / Circular "FL"	1.00	...-050-0992	...-050-0992	...-050-0992	-	-	-	-
Aluminium / hard-coated	Flat / Circular "FL"	1.20	...-050-0993	...-050-0993	...-050-0993	-	-	-	-
Aluminium / hard-coated	Flat / Circular "FL"	1.50	...-050-0994	...-050-0994	...-050-0994	-	-	-	-
Stainless steel	Rotary jet "D"	0.50	...-050-0970	...-050-0970	...-050-0970	-	-	-	-
Stainless steel	Rotary jet "D"	0.80	...-050-0971	...-050-0971	...-050-0971	...-050-1022	...-050-1022	...-050-1022	...-050-1022
Stainless steel	Rotary jet "D"	1.00	...-050-0972	...-050-0972	...-050-0972	...-050-1023	...-050-1023	...-050-1023	...-050-1023
Stainless steel	Rotary jet "D"	1.20	...-050-0973	...-050-0973	...-050-0973	...-050-1024	...-050-1024	...-050-1024	...-050-1024
Stainless steel	Rotary jet "D"	1.50	...-050-0974	...-050-0974	...-050-0974	...-050-1025	...-050-1025	...-050-1025	...-050-1025
Stainless steel	Rotary jet "D"	1.80	...-050-0975	...-050-0975	...-050-0975	...-050-1026	...-050-1026	-	-
Stainless steel	Rotary jet "D"	2.00	...-050-0976	...-050-0976	...-050-0976	...-050-1027	...-050-1027	-	-
Stainless steel	Rotary jet "D"	2.50	...-050-0977	...-050-0977	...-050-0977	...-050-1028	...-050-1028	-	-
Stainless steel	Rotary jet "D"	3.00	...-050-0978	...-050-0978	...-050-0978	-	-	-	-
Stainless steel	Rotary jet "D"	3.50	...-050-0979	...-050-0979	...-050-0979	-	-	-	-
Stainless steel	Rotary jet "D"	4.50	...-050-0980	...-050-0980	...-050-0980	-	-	-	-
Stainless steel	Rotary jet "D"	6.00	...-050-0981	...-050-0981	...-050-0981	-	-	-	-
Stainless steel	Rotary jet "DT"	1.50	...-050-0219	...-050-0219	...-050-0219	-	-	-	-
Stainless steel	Rotary jet "DT"	2.50	...-050-0220	...-050-0220	...-050-0220	-	-	-	-
Stainless steel	Flat / Circular "FF"	0.30	...-050-1506	...-050-1506	...-050-1506	-	-	-	-
Stainless steel	Flat / Circular "FF"	0.50	...-050-1507	...-050-1507	...-050-1507	-	-	-	-
Stainless steel	Flat / Circular "FF"	0.80	...-050-1508	...-050-1508	...-050-1508	-	-	-	-
Stainless steel	Flach / Circular "FF"	1.00	...-050-1509	...-050-1509	...-050-1509	-	-	-	-
Stainless steel	Flat / Circular "FF"	1.20	...-050-1510	...-050-1510	...-050-1510	-	-	-	-
Stainless steel	Flat / Circular "FF"	1.50	...-050-1512	...-050-1512	...-050-1512	-	-	-	-
Stainless steel	Flat / Circular "FF"	1.80	...-050-1513	...-050-1513	...-050-1513	-	-	-	-
Stainless steel	Flat / Circular "FF"	2.00	...-050-1514	...-050-1514	...-050-1514	-	-	-	-
Stainless steel	Flat / Circular "FF"	2.20	...-050-1515	...-050-1515	...-050-1515	-	-	-	-
Stainless steel	Flat / Circular "FF"	2.50	...-050-1516	...-050-1516	...-050-1516	-	-	-	-
Stainless steel	Flat / Circular "FF"	3.00	...-050-1517	...-050-1517	...-050-1517	-	-	-	-
Stainless steel	Flat / Circular "FF"	3.50	...-050-1518	...-050-1518	...-050-1518	-	-	-	-
Stainless steel	Flat / Circular "FF"	4.50	...-050-1519	...-050-1519	...-050-1519	-	-	-	-
Stainless steel	Flat / Circular "FF"	6.00	...-050-1520	...-050-1520	...-050-1520	-	-	-	-
Stainless steel	Flat / Circular "FL"	0.20	-	-	-	-	-	-	...-050-1131
Stainless steel	Flat / Circular "FL"	0.30	...-050-0642	...-050-0642	...-050-0642	...-050-0165	...-050-0165	-	...-050-0165
Stainless steel	Flat / Circular "FL"	0.50	...-050-0643	...-050-0643	...-050-0643	...-050-0166	...-050-0166	-	...-050-0166
Stainless steel	Flat / Circular "FL"	0.65	-	-	-	...-050-0167	...-050-0167	-	...-050-0167
Stainless steel	Flat / Circular "FL"	0.80	...-050-0645	...-050-0645	...-050-0645	...-050-0168	...-050-0168	-	...-050-0168
Stainless steel	Flat / Circular "FL"	1.00	...-050-0647	...-050-0647	...-050-0647	...-050-0169	...-050-0169	-	...-050-0169
Stainless steel	Flat / Circular "FL"	1.20	...-050-0648	...-050-0648	...-050-0648	...-050-0170	...-050-0170	-	...-050-0170
Stainless steel	Flat / Circular "FL"	1.50	...-050-0650	...-050-0650	...-050-0650	...-050-0171	...-050-0171	-	...-050-0171
Stainless steel	Flat / Circular "FL"	1.80	...-050-0651	...-050-0651	...-050-0651	...-050-0172	...-050-0172	-	...-050-0172
Stainless steel	Flat / Circular "FL"	2.00	...-050-0652	...-050-0652	...-050-0652	...-050-0926	...-050-0926	-	...-050-1256
Stainless steel	Flat / Circular "FL"	2.20	...-050-0653	...-050-0653	...-050-0653	-	-	-	-
Stainless steel	Flat / Circular "FL"	2.50	...-050-0654	...-050-0654	...-050-0654	-	-	-	-
Stainless steel	Flat / Circular "FL"	3.00	...-050-0655	...-050-0655	...-050-0655	-	-	-	-
Stainless steel	Flat / Circular "FL"	3.50	...-050-0656	...-050-0656	...-050-0656	-	-	-	-
Stainless steel	Flat / Circular "FL"	4.50	...-050-0657	...-050-0657	...-050-0657	-	-	-	-
Stainless steel	Flat / Circular "FL"	6.00	...-050-0658	...-050-0658	...-050-0658	-	-	-	-
Stainless steel	Circular jet "R"	0.20	-	-	-	...-050-1132	...-050-1132	...-050-1132	...-050-1132
Stainless steel	Circular jet "R"	0.30	...-050-0677	...-050-0677	...-050-0677	...-050-0157	...-050-0157	...-050-0157	...-050-0157
Stainless steel	Circular jet "R"	0.50	...-050-0678	...-050-0678	...-050-0678	...-050-0158	...-050-0158	...-050-0158	...-050-0158
Stainless steel	Circular jet "R"	0.65	-	-	-	...-050-0159	...-050-0159	...-050-0159	...-050-0159

Spray gun >			A 10	A 11	RA 2	M 10	MA 1	Mikro 3	Mikro 3
Version >								14 x 0,75	24 x 1
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	2900...	1050...	2830...	2831...
Material	type	mm	order no.	order no.	order no.	order no.	order no.	order no.	order no.
Stainless steel	Circular jet "R"	0.80	...-050-0679	...-050-0679	...-050-0679	...-050-0160	...-050-0160	...-050-0160	...-050-0160
Stainless steel	Circular jet "R"	1.00	...-050-0680	...-050-0680	...-050-0680	...-050-0161	...-050-0161	...-050-0161	...-050-0161
Stainless steel	Circular jet "R"	1.20	...-050-0681	...-050-0681	...-050-0681	...-050-0162	...-050-0162	...-050-0162	...-050-0162
Stainless steel	Circular jet "R"	1.50	...-050-0682	...-050-0682	...-050-0682	...-050-0163	...-050-0163	...-050-0163	...-050-0163
Stainless steel	Circular jet "R"	1.80	...-050-0683	...-050-0683	...-050-0683	...-050-0164	...-050-0164	...-050-0164	...-050-0164
Stainless steel	Circular jet "R"	2.00	...-050-0684	...-050-0684	...-050-0684	...-050-0260	...-050-0260	...-050-0260	...-050-0260
Stainless steel	Circular jet "R"	2.50	...-050-0685	...-050-0685	...-050-0685	...-050-0261	...-050-0261	...-050-0261	...-050-0261
Stainless steel	Circular jet "R"	3.00	...-050-0686	...-050-0686	...-050-0686	-	-	-	-
Stainless steel	Circular jet "R"	3.50	...-050-0687	...-050-0687	...-050-0687	-	-	-	-
Stainless steel	Circular jet "R"	4.50	...-050-0688	...-050-0688	...-050-0688	-	-	-	-
Stainless steel	Circular jet "R"	6.00	...-050-0689	...-050-0689	...-050-0689	-	-	-	-
Stainless steel	Mottle "SP"	1.50	...-050-0932	...-050-0932	...-050-0932	-	-	-	-
Stainless steel	Mottle "SP"	2.50	...-050-0933	...-050-0933	...-050-0933	-	-	-	-
Stainless steel	Rotary jet "DZ"	0.30	...-050-1031	...-050-1031	...-050-1031	-	-	-	-
Stainless steel	Rotary jet "DZ"	0.50	...-050-0690	...-050-0690	...-050-0690	-	-	-	-
Stainless steel	Rotary jet "DZ"	0.80	...-050-0691	...-050-0691	...-050-0691	-	-	-	-
Stainless steel	Rotary jet "DZ"	1.00	...-050-0692	...-050-0692	...-050-0692	-	-	-	-
Stainless steel	Rotary jet "DZ"	1.20	...-050-0693	...-050-0693	...-050-0693	-	-	-	-
Stainless steel	Rotary jet "DZ"	1.50	...-050-0694	...-050-0694	...-050-0694	-	-	-	-
Stainless steel	Rotary jet "DZ"	1.80	...-050-0695	...-050-0695	...-050-0695	-	-	-	-
Stainless steel	Rotary jet "DZ"	2.00	...-050-1033	...-050-1033	...-050-1033	-	-	-	-
Stainless steel	Rotary jet "DZ"	2.50	...-050-1035	...-050-1035	...-050-1035	-	-	-	-
Stainless steel	Rotary jet "HD"	0.30	-	-	-	...-050-1102	...-050-1102	...-050-1112	...-050-1102
Stainless steel	Rotary jet "HD"	0.50	-	-	-	...-050-1100	...-050-1100	...-050-1113	...-050-1100
Stainless steel	Rotary jet "HD"	0.65	-	-	-	...-050-1101	...-050-1101	...-050-1114	...-050-1101
Stainless steel	Rotary jet "HD"	0.80	-	-	-	...-050-1106	...-050-1106	...-050-1115	...-050-1106
Stainless steel	Rotary jet "VD"	0.20	-	-	-	...-050-1262	...-050-1262	...-050-1262	...-050-1262
Stainless steel	Rotary jet "VD"	0.30	-	-	-	...-050-0001	...-050-0001	...-050-0001	...-050-0001
Stainless steel	Rotary jet "VD"	0.50	-	-	-	...-050-0002	...-050-0002	...-050-0002	...-050-0002
Stainless steel	Rotary jet "VD"	0.80	-	-	-	...-050-0003	...-050-0003	...-050-0003	...-050-0003
Stainless steel	Rotary jet "VD"	1.00	-	-	-	...-050-0004	...-050-0004	...-050-0004	...-050-0004
Stainless steel	Rotary jet "VD"	1.20	-	-	-	...-050-0005	...-050-0005	...-050-0005	...-050-0005
Stainless steel	Rotary jet "VD"	1.50	-	-	-	...-050-0006	...-050-0006	...-050-0006	...-050-0006
Stainless steel	Rotary jet "VD"	1.80	-	-	-	...-050-0007	...-050-0007	...-050-0007	...-050-0007
Stainless steel / hard-coated	Rotary jet "D"	0.50	...-050-1060	...-050-1060	...-050-1060	-	-	-	-
Stainless steel / hard-coated	Rotary jet "D"	0.80	...-050-1051	...-050-1051	...-050-1051	...-050-1170	...-050-1170	...-050-1170	...-050-1170
Stainless steel / hard-coated	Rotary jet "D"	1.00	...-050-1052	...-050-1052	...-050-1052	...-050-1171	...-050-1171	...-050-1171	...-050-1171
Stainless steel / hard-coated	Rotary jet "D"	1.20	...-050-1053	...-050-1053	...-050-1053	...-050-1172	...-050-1172	...-050-1172	...-050-1172
Stainless steel / hard-coated	Rotary jet "D"	1.50	...-050-1054	...-050-1054	...-050-1054	...-050-1173	...-050-1173	...-050-1173	...-050-1173
Stainless steel / hard-coated	Rotary jet "D"	1.80	...-050-1055	...-050-1055	...-050-1055	...-050-1174	...-050-1174	...-050-1174	...-050-1174
Stainless steel / hard-coated	Rotary jet "D"	2.00	...-050-0952	...-050-0952	...-050-0952	...-050-1175	...-050-1175	...-050-1175	...-050-1175
Stainless steel / hard-coated	Rotary jet "D"	2.50	...-050-0206	...-050-0206	...-050-0206	...-050-1176	...-050-1176	...-050-1176	...-050-1176
Stainless steel / hard-coated	Rotary jet "D"	3.00	...-050-1056	...-050-1056	...-050-1056	-	-	-	-
Stainless steel / hard-coated	Rotary jet "D"	3.50	...-050-0207	...-050-0207	...-050-0207	-	-	-	-
Stainless steel / hard-coated	Rotary jet "D"	4,50	...-050-1057	...-050-1057	...-050-1057	-	-	-	-
Stainless steel / hard-coated	Rotary jet "D"	6.00	...-050-1058	...-050-1058	...-050-1058	-	-	-	-
Stainless steel / hard-coated	Rotary jet "HD"	0.30	-	-	-	-	-	...-050-2063	-
Stainless steel / hard-coated	Rotary jet "HD"	0.50	-	-	-	-	-	...-050-2064	-
Stainless steel / hard-coated	Rotary jet "HD"	0.65	-	-	-	-	-	...-050-2065	-
Stainless steel / hard-coated	Rotary jet "HD"	0.80	-	-	-	-	-	...-050-2066	-
Stainless steel / hard-coated	Flat / Circular "FF"	1.80	...-050-1623	...-050-1623	...-050-1623	-	-	-	-
Stainless steel / hard-coated	Flat / Circular "FF"	2.50	...-050-1618	...-050-1618	...-050-1618	-	-	-	-
Stainless steel / hard-coated	Flat / Circular "FL"	0.20	-	-	-	...-050-1256	...-050-1256	-	...-050-1256
Stainless steel / hard-coated	Flat / Circular "FL"	0.30	...-050-1214	...-050-1214	...-050-1214	...-050-1257	...-050-1257	-	...-050-1257

Spray gun >			A 10	A 11	RA 2	M 10	MA 1	Mikro 3	Mikro 3
Version >								14 x 0,75	24 x 1
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	2900...	1050...	2830...	2831...
Material	type	mm	order no.	order no.	order no.	order no.	order no.	order no.	order no.
Stainless steel / hard-coated	Flat / Circular "FL"	0.50	...-050-0659	...-050-0659	...-050-0659	...-050-1258	...-050-0263	-	...-050-1258
Stainless steel / hard-coated	Flat / Circular "FL"	0.65	-	-	-	...-050-0270	...-050-0270	-	...-050-0270
Stainless steel / hard-coated	Flat / Circular "FL"	0.80	...-050-0660	...-050-0660	...-050-0660	...-050-0271	...-050-0271	-	...-050-0271
Stainless steel / hard-coated	Flat / Circular "FL"	1.00	...-050-0661	...-050-0661	...-050-0661	...-050-0272	...-050-0272	-	...-050-0272
Stainless steel / hard-coated	Flat / Circular "FL"	1.20	...-050-0662	...-050-0662	...-050-0662	...-050-0273	...-050-0273	-	...-050-0273
Stainless steel / hard-coated	Flat / Circular "FL"	1.50	...-050-0663	...-050-0663	...-050-0663	...-050-0274	...-050-0274	-	...-050-0274
Stainless steel / hard-coated	Flat / Circular "FL"	1.80	...-050-0664	...-050-0664	...-050-0664	...-050-0275	...-050-0275	-	...-050-0275
Stainless steel / hard-coated	Flat / Circular "FL"	2.00	...-050-0665	...-050-0665	...-050-0665	-	-	-	-
Stainless steel / hard-coated	Flat / Circular "FL"	2.50	...-050-0666	...-050-0666	...-050-0666	-	-	-	-
Stainless steel / hard-coated	Flat / Circular "FL"	3.00	...-050-0667	...-050-0667	...-050-0667	-	-	-	-
Stainless steel / hard-coated	Flat / Circular "FL"	3.50	...-050-0668	...-050-0668	...-050-0668	-	-	-	-
Stainless steel / hard-coated	Flat / Circular "FL"	4.50	...-050-0669	...-050-0669	...-050-0669	-	-	-	-
Stainless steel / hard-coated	Flat / Circular "FL"	6.00	...-050-0670	...-050-0670	...-050-0670	-	-	-	-
Stainless steel / hard-coated	Circular jet "R"	0.20	-	-	-	...-050-1133	...-050-1133	...-050-1133	...-050-1133
Stainless steel / hard-coated	Circular jet "R"	0.30	...-050-1200	...-050-1200	...-050-1200	...-050-0262	...-050-0262	...-050-0262	...-050-0262
Stainless steel / hard-coated	Circular jet "R"	0.50	...-050-1201	...-050-1201	...-050-1201	...-050-0263	...-050-0263	...-050-0263	...-050-0263
Stainless steel / hard-coated	Circular jet "R"	0.65	-	-	-	...-050-0264	...-050-0264	...-050-0264	...-050-0264
Stainless steel / hard-coated	Circular jet "R"	0.80	...-050-1202	...-050-1202	...-050-1202	...-050-0265	...-050-0265	...-050-0265	...-050-0265
Stainless steel / hard-coated	Circular jet "R"	1.00	...-050-0251	...-050-0251	...-050-0251	...-050-0266	...-050-0266	...-050-0266	...-050-0266
Stainless steel / hard-coated	Circular jet "R"	1.20	...-050-0252	...-050-0252	...-050-0252	...-050-0267	...-050-0267	...-050-0267	...-050-0267
Stainless steel / hard-coated	Circular jet "R"	1.50	...-050-1203	...-050-1203	...-050-1203	...-050-0268	...-050-0268	...-050-0268	...-050-0268
Stainless steel / hard-coated	Circular jet "R"	1.80	...-050-1204	...-050-1204	...-050-1204	...-050-0269	...-050-0269	...-050-0269	...-050-0269
Stainless steel / hard-coated	Circular jet "R"	2.00	...-050-1205	...-050-1205	...-050-1205	-	-	-	-
Stainless steel / hard-coated	Circular jet "R"	2.50	...-050-1206	...-050-1206	...-050-1206	-	-	-	-
Stainless steel / hard-coated	Circular jet "R"	3.00	...-050-0253	...-050-0253	...-050-0253	-	-	-	-
Stainless steel / hard-coated	Circular jet "R"	3.50	...-050-1207	...-050-1207	...-050-1207	-	-	-	-
Stainless steel / hard-coated	Circular jet "R"	4.50	...-050-1208	...-050-1208	...-050-1208	-	-	-	-
Stainless steel / hard-coated	Circular jet "R"	6.00	...-050-1209	...-050-1209	...-050-1209	-	-	-	-
Stainless steel / PTFE	Flat / Circular "FL"	0.80				...-050-2077	...-050-2077	...-050-2077	...-050-2077
Tungsten carbide	Flat / Circular "FL"	1.20	...-050-0966	...-050-0966	...-050-0966	-	-	-	-
Tungsten carbide	Flat / Circular "FL"	1.50	...-050-0967	...-050-0967	...-050-0967	-	-	-	-
Tungsten carbide	Flat / Circular "FL"	1.80	...-050-0968	...-050-0968	...-050-0968	-	-	-	-
Tungsten carbide	Flat / Circular "FL"	2.00	...-050-1167	...-050-1167	...-050-1167	-	-	-	-
Tungsten carbide	Flat / Circular "FL"	2.20	...-050-1622	...-050-1622	...-050-1622	-	-	-	-
Tungsten carbide	Flat / Circular "FL"	2.50	...-050-0969	...-050-0969	...-050-0969	-	-	-	-
POM	Flat / Circular "FL"	0.50	...-050-0982	...-050-0982	...-050-0982	-	-	-	-
POM	Flat / Circular "FL"	0.80	...-050-0983	...-050-0983	...-050-0983	-	-	-	-
POM	Flat / Circular "FL"	1.00	...-050-0984	...-050-0984	...-050-0984	-	-	-	-
POM	Flat / Circular "FL"	1.20	...-050-0985	...-050-0985	...-050-0985	-	-	-	-
POM	Flat / Circular "FL"	1.50	...-050-0986	...-050-0986	...-050-0986	-	-	-	-
POM	Flat / Circular "FL"	1.80	...-050-0987	...-050-0987	...-050-0987	-	-	-	-
POM	Flat / Circular "FL"	2.00	...-050-0988	...-050-0988	...-050-0988	-	-	-	-
POM	Circular jet "R"	1.00	-	-	-	...-050-1238	...-050-1238	...-050-1238	...-050-1238

Spray gun >			A 10	A 11	RA 2	M 10	MA 1	Mikro 3	Mikro 3
Version >							14 x 0,75	24 x 1	
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	2900...	1050...	2830...	2831...
mm	type	material	order no.	order no.	order no.	order no.	order no.	order no.	order no.
0.20	Flat / Circular "FL"	Stainless steel	-	-	-	-	-	-	...-050-1131
0.20	Circular jet "R"	Stainless steel	-	-	-	...-050-1132	...-050-1132	...-050-1132	...-050-1132
0.20	Rotary jet "VD"	Stainless steel	-	-	-	...-050-1262	...-050-1262	...-050-1262	...-050-1262
0.20	Flat / Circular "FL"	Stainless steel / hard-coated	-	-	-	...-050-1256	...-050-1256	-	...-050-1256
0.20	Circular jet "R"	Stainless steel / hard-coated	-	-	-	...-050-1133	...-050-1133	...-050-1133	...-050-1133
0.30	Flat / Circular "FL"	Aluminium / hard-coated	...-050-0989	...-050-0989	...-050-0989	-	-	-	-
0.30	Flat / Circular "FF"	Stainless steel	...-050-1506	...-050-1506	...-050-1506	-	-	-	-
0.30	Flat / Circular "FL"	Stainless steel	...-050-0642	...-050-0642	...-050-0642	...-050-0165	...-050-0165	-	...-050-0165
0.30	Circular jet "R"	Stainless steel	...-050-0677	...-050-0677	...-050-0677	...-050-0157	...-050-0157	...-050-0157	...-050-0157
0.30	Rotary jet "DZ"	Stainless steel	...-050-1031	...-050-1031	...-050-1031	-	-	-	-
0.30	Rotary jet "HD"	Stainless steel	-	-	-	...-050-1102	...-050-1102	...-050-1112	...-050-1102
0.30	Rotary jet "VD"	Stainless steel	-	-	-	...-050-0001	...-050-0001	...-050-0001	...-050-0001
0.30	Rotary jet "HD"	Stainless steel / hard-coated	-	-	-	-	-	...-050-2063	-
0.30	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-1214	...-050-1214	...-050-1214	...-050-1257	...-050-1257	-	...-050-1257
0.30	Circular jet "R"	Stainless steel / hard-coated	...-050-1200	...-050-1200	...-050-1200	...-050-0262	...-050-0262	...-050-0262	...-050-0262
0.50	Flat / Circular "FL"	Aluminium / hard-coated	...-050-0990	...-050-0990	...-050-0990	-	-	-	-
0.50	Rotary jet "D"	Stainless steel	...-050-0970	...-050-0970	...-050-0970	-	-	-	-
0.50	Flat / Circular "FF"	Stainless steel	...-050-1507	...-050-1507	...-050-1507	-	-	-	-
0.50	Flat / Circular "FL"	Stainless steel	...-050-0643	...-050-0643	...-050-0643	...-050-0166	...-050-0166	-	...-050-0166
0.50	Circular jet "R"	Stainless steel	...-050-0678	...-050-0678	...-050-0678	...-050-0158	...-050-0158	...-050-0158	...-050-0158
0.50	Rotary jet "DZ"	Stainless steel	...-050-0690	...-050-0690	...-050-0690	-	-	-	-
0.50	Rotary jet "HD"	Stainless steel	-	-	-	...-050-1100	...-050-1100	...-050-1113	...-050-1100
0.50	Rotary jet "VD"	Stainless steel	-	-	-	...-050-0002	...-050-0002	...-050-0002	...-050-0002
0.50	Rotary jet "D"	Stainless steel / hard-coated	...-050-1060	...-050-1060	...-050-1060	-	-	-	-
0.50	Rotary jet "HD"	Stainless steel / hard-coated	-	-	-	-	-	...-050-2064	-
0.50	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0659	...-050-0659	...-050-0659	...-050-1258	...-050-0263	-	...-050-1258
0.50	Circular jet "R"	Stainless steel / hard-coated	...-050-1201	...-050-1201	...-050-1201	...-050-0263	...-050-0263	...-050-0263	...-050-0263
0.50	Flat / Circular "FL"	POM	...-050-0982	...-050-0982	...-050-0982	-	-	-	-
0.65	Flat / Circular "FL"	Stainless steel	-	-	-	...-050-0167	...-050-0167	-	...-050-016
0.65	Circular jet "R"	Stainless steel	-	-	-	...-050-0159	...-050-0159	...-050-0159	...-050-015
0.65	Rotary jet "HD"	Stainless steel	-	-	-	...-050-1101	...-050-1101	...-050-1114	...-050-110
0.65	Rotary jet "HD"	Stainless steel / hard-coated	-	-	-	-	-	...-050-2065	-
0.65	Flat / Circular "FL"	Stainless steel / hard-coated	-	-	-	...-050-0270	...-050-0270	-	...-050-0270
0.65	Circular jet "R"	Stainless steel / hard-coated	-	-	-	...-050-0264	...-050-0264	...-050-0264	...-050-0264
0.80	Flat / Circular "FL"	Aluminium / hard-coated	...-050-0991	...-050-0991	...-050-0991	-	-	-	-
0.80	Rotary jet "D"	Stainless steel	...-050-0971	...-050-0971	...-050-0971	...-050-1022	...-050-1022	...-050-1022	...-050-1022
0.80	Flat / Circular "FF"	Stainless steel	...-050-1508	...-050-1508	...-050-1508	-	-	-	-
0.80	Flat / Circular "FL"	Stainless steel	...-050-0645	...-050-0645	...-050-0645	...-050-0168	...-050-0168	-	...-050-0168
0.80	Circular jet "R"	Stainless steel	...-050-0679	...-050-0679	...-050-0679	...-050-0160	...-050-0160	...-050-0160	...-050-0160
0.80	Rotary jet "DZ"	Stainless steel	...-050-0691	...-050-0691	...-050-0691	-	-	-	-
0.80	Rotary jet "D"	Stainless steel	-	-	-	...-050-1022	...-050-1022	...-050-1022	...-050-1022
0.80	Rotary jet "HD"	Stainless steel	-	-	-	...-050-1106	...-050-1106	...-050-1115	...-050-1106
0.80	Rotary jet "VD"	Stainless steel	-	-	-	...-050-0003	...-050-0003	...-050-0003	...-050-0003
0.80	Rotary jet "D"	Stainless steel / hard-coated	...-050-1051	...-050-1051	...-050-1051	...-050-1170	...-050-1170	...-050-1170	...-050-1170
0.80	Rotary jet "HD"	Stainless steel / hard-coated	-	-	-	-	-	...-050-2066	-
0.80	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0660	...-050-0660	...-050-0660	...-050-0271	...-050-0271	-	...-050-0271
0.80	Circular jet "R"	Stainless steel / hard-coated	...-050-1202	...-050-1202	...-050-1202	...-050-0265	...-050-0265	...-050-0265	...-050-0265
0.80	Flat / Circular "FL"	POM	...-050-0983	...-050-0983	...-050-0983	-	-	-	-
0.80	Flat / Circular "FL"	Stainless steel / PTFE	-	-	-	...-050-2077	...-050-2077	...-050-2077	...-050-2077
1.00	Flat / Circular "FL"	Aluminium / hard-coated	...-050-0992	...-050-0992	...-050-0992	-	-	-	-

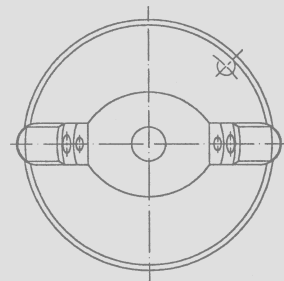
Automatic spray guns,
classified by size

Spray gun >			A 10	A 11	RA 2	M 10	MA 1	Mikro 3	Mikro 3
Version >								14 x 0,75	24 x 1
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	2900...	1050...	2830...	2831...
mm	type	material	order no.	order no.	order no.	order no.	order no.	order no.	order no.
1.00	Rotary jet "D"	Stainless steel	...-050-0972	...-050-0972	...-050-0972	...-050-1023	...-050-1023	...-050-1023	...-050-1023
1.00	Flat / Circular "FF"	Stainless steel	...-050-1509	...-050-1509	...-050-1509	-	-	-	-
1.00	Flat / Circular "FL"	Stainless steel	...-050-0647	...-050-0647	...-050-0647	...-050-0169	...-050-0169	-	...-050-0169
1.00	Circular jet "R"	Stainless steel	...-050-0680	...-050-0680	...-050-0680	...-050-0161	...-050-0161	...-050-0161	...-050-0161
1.00	Rotary jet "DZ"	Stainless steel	...-050-0692	...-050-0692	...-050-0692	-	-	-	-
1.00	Rotary jet "D"	Stainless steel	-	-	-	...-050-1023	...-050-1023	...-050-1023	...-050-1023
1.00	Rotary jet "VD"	Stainless steel	-	-	-	...-050-0004	...-050-0004	...-050-0004	...-050-0004
1.00	Rotary jet "D"	Stainless steel / hard-coated	...-050-1052	...-050-1052	...-050-1052	...-050-1171	...-050-1171	...-050-1171	...-050-1171
1.00	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0661	...-050-0661	...-050-0661	...-050-0272	...-050-0272	-	...-050-0272
1.00	Circular jet "R"	Stainless steel / hard-coated	...-050-0251	...-050-0251	...-050-0251	...-050-0266	...-050-0266	...-050-0266	...-050-0266
1.00	Flat / Circular "FL"	POM	...-050-0984	...-050-0984	...-050-0984	-	-	-	-
1.00	Circular jet "R"	POM	-	-	-	...-050-1238	...-050-1238	...-050-1238	...-050-1238
1.20	Flat / Circular "FL"	Aluminium / hard-coated	...-050-0993	...-050-0993	...-050-0993	-	-	-	-
1.20	Rotary jet "D"	Stainless steel	...-050-0973	...-050-0973	...-050-0973	...-050-1024	...-050-1024	...-050-1024	...-050-1024
1.20	Flat / Circular "FF"	Stainless steel	...-050-1510	...-050-1510	...-050-1510	-	-	-	-
1.20	Flat / Circular "FL"	Stainless steel	...-050-0648	...-050-0648	...-050-0648	...-050-0170	...-050-0170	-	...-050-0170
1.20	Circular jet "R"	Stainless steel	...-050-0681	...-050-0681	...-050-0681	...-050-0162	...-050-0162	...-050-0162	...-050-0162
1.20	Rotary jet "DZ"	Stainless steel	...-050-0693	...-050-0693	...-050-0693	-	-	-	-
1.20	Rotary jet "VD"	Stainless steel	-	-	-	...-050-0005	...-050-0005	...-050-0005	...-050-0005
1.20	Rotary jet "D"	Stainless steel / hard-coated	...-050-1053	...-050-1053	...-050-1053	...-050-1172	...-050-1172	...-050-1172	...-050-1172
1.20	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0662	...-050-0662	...-050-0662	...-050-0273	...-050-0273	-	...-050-0273
1.20	Circular jet "R"	Stainless steel / hard-coated	...-050-0252	...-050-0252	...-050-0252	...-050-0267	...-050-0267	...-050-0267	...-050-0267
1.20	Flat / Circular "FL"	Tungsten carbide	...-050-0966	...-050-0966	...-050-0966	-	-	-	-
1.20	Flat / Circular "FL"	POM	...-050-0985	...-050-0985	...-050-0985	-	-	-	-
1.50	Flat / Circular "FL"	Aluminium / hard-coated	...-050-0994	...-050-0994	...-050-0994	-	-	-	-
1.50	Rotary jet "D"	Stainless steel	...-050-0974	...-050-0974	...-050-0974	...-050-1025	...-050-1025	...-050-1025	...-050-1025
1.50	Rotary jet "DT"	Stainless steel	...-050-0219	...-050-0219	...-050-0219	-	-	-	-
1.50	Flat / Circular "FF"	Stainless steel	...-050-1512	...-050-1512	...-050-1512	-	-	-	-
1.50	Flat / Circular "FL"	Stainless steel	...-050-0650	...-050-0650	...-050-0650	...-050-0171	...-050-0171	-	...-050-0171
1.50	Circular jet "R"	Stainless steel	...-050-0682	...-050-0682	...-050-0682	...-050-0163	...-050-0163	...-050-0163	...-050-0163
1.50	Mottle "SP"	Stainless steel	...-050-0932	...-050-0932	...-050-0932	-	-	-	-
1.50	Rotary jet "DZ"	Stainless steel	...-050-0694	...-050-0694	...-050-0694	-	-	-	-
1.50	Rotary jet "VD"	Stainless steel	-	-	-	...-050-0006	...-050-0006	...-050-0006	...-050-0006
1.50	Rotary jet "D"	Stainless steel / hard-coated	...-050-1054	...-050-1054	...-050-1054	...-050-1173	...-050-1173	...-050-1173	...-050-1173
1.50	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0663	...-050-0663	...-050-0663	...-050-0274	...-050-0274	-	...-050-0274
1.50	Circular jet "R"	Stainless steel / hard-coated	...-050-1203	...-050-1203	...-050-1203	...-050-0268	...-050-0268	...-050-0268	...-050-0268
1.50	Flat / Circular "FL"	Tungsten carbide	...-050-0967	...-050-0967	...-050-0967	-	-	-	-
1.50	Flat / Circular "FL"	POM	...-050-0986	...-050-0986	...-050-0986	-	-	-	-
1.80	Rotary jet "D"	Stainless steel	...-050-0975	...-050-0975	...-050-0975	...-050-1026	...-050-1026	-	-
1.80	Flat / Circular "FF"	Stainless steel	...-050-1513	...-050-1513	...-050-1513	-	-	-	-
1.80	Flat / Circular "FL"	Stainless steel	...-050-0651	...-050-0651	...-050-0651	...-050-0172	...-050-0172	-	...-050-0172
1.80	Circular jet "R"	Stainless steel	...-050-0683	...-050-0683	...-050-0683	...-050-0164	...-050-0164	...-050-0164	...-050-0164
1.80	Rotary jet "DZ"	Stainless steel	...-050-0695	...-050-0695	...-050-0695	-	-	-	-
1.80	Rotary jet "VD"	Stainless steel	-	-	-	...-050-0007	...-050-0007	...-050-0007	...-050-0007
1.80	Rotary jet "D"	Stainless steel / hard-coated	...-050-1055	...-050-1055	...-050-1055	...-050-1174	...-050-1174	...-050-1174	...-050-1174
1.80	Flat / Circular "FF"	Stainless steel / hard-coated	...-050-1623	...-050-1623	...-050-1623	-	-	-	-
1.80	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0664	...-050-0664	...-050-0664	...-050-0275	...-050-0275	-	...-050-0275
1.80	Circular jet "R"	Stainless steel / hard-coated	...-050-1204	...-050-1204	...-050-1204	...-050-0269	...-050-0269	...-050-0269	...-050-0269
1.80	Flat / Circular "FL"	Tungsten carbide	...-050-0968	...-050-0968	...-050-0968	-	-	-	-
1.80	Flat / Circular "FL"	POM	...-050-0987	...-050-0987	...-050-0987	-	-	-	-
2.00	Rotary jet "D"	Stainless steel	...-050-0976	...-050-0976	...-050-0976	...-050-1027	...-050-1027	-	-

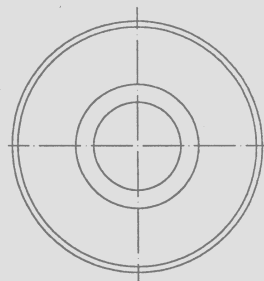
Spray gun >			A 10	A 11	RA 2	M 10	MA 1	Mikro 3	Mikro 3
Version >								14 x 0,75	24 x 1
Type no. > (Please state type no. in front of order no.)			1000...	1020...	0902...	2900...	1050...	2830...	2831...
mm	type	material	order no.	order no.	order no.	order no.	order no.	order no.	order no.
2.00	Flat / Circular "FF"	Stainless steel	...-050-1514	...-050-1514	...-050-1514	-	-	-	-
2.00	Flat / Circular "FL"	Stainless steel	...-050-0652	...-050-0652	...-050-0652	...-050-0926	...-050-0926	-	...-050-1256
2.00	Circular jet "R"	Stainless steel	...-050-0684	...-050-0684	...-050-0684	...-050-0260	...-050-0260	...-050-0260	...-050-0260
2.00	Rotary jet "DZ"	Stainless steel	...-050-1033	...-050-1033	...-050-1033	-	-	-	-
2.00	Rotary jet "D"	Stainless steel / hard-coated	...-050-0952	...-050-0952	...-050-0952	...-050-1175	...-050-1175	...-050-1175	...-050-1175
2.00	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0665	...-050-0665	...-050-0665	-	-	-	-
2.00	Circular jet "R"	Stainless steel / hard-coated	...-050-1205	...-050-1205	...-050-1205	-	-	-	-
2.00	Flat / Circular "FL"	Tungsten carbide	...-050-1167	...-050-1167	...-050-1167	-	-	-	-
2.00	Flat / Circular "FL"	POM	...-050-0988	...-050-0988	...-050-0988	-	-	-	-
2.20	Flat / Circular "FF"	Stainless steel	...-050-1515	...-050-1515	...-050-1515	-	-	-	-
2.20	Flat / Circular "FL"	Stainless steel	...-050-0653	...-050-0653	...-050-0653	-	-	-	-
2.20	Flat / Circular "FL"	Tungsten carbide	...-050-1622	...-050-1622	...-050-1622	-	-	-	-
2.50	Rotary jet "D"	Stainless steel	...-050-0977	...-050-0977	...-050-0977	...-050-1028	...-050-1028	-	-
2.50	Rotary jet "DT"	Stainless steel	...-050-0220	...-050-0220	...-050-0220	-	-	-	-
2.50	Flat / Circular "FF"	Stainless steel	...-050-1516	...-050-1516	...-050-1516	-	-	-	-
2.50	Flat / Circular "FL"	Stainless steel	...-050-0654	...-050-0654	...-050-0654	-	-	-	-
2.50	Circular jet "R"	Stainless steel	...-050-0685	...-050-0685	...-050-0685	...-050-0261	...-050-0261	...-050-0261	...-050-0261
2.50	Mottle "SP"	Stainless steel	...-050-0933	...-050-0933	...-050-0933	-	-	-	-
2.50	Rotary jet "DZ"	Stainless steel	...-050-1035	...-050-1035	...-050-1035	-	-	-	-
2.50	Rotary jet "D"	Stainless steel / hard-coated	...-050-0206	...-050-0206	...-050-0206	...-050-1176	...-050-1176	...-050-1176	...-050-1176
2.50	Flat / Circular "FF"	Stainless steel / hard-coated	...-050-1618	...-050-1618	...-050-1618	-	-	-	-
2.50	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0666	...-050-0666	...-050-0666	-	-	-	-
2.50	Circular jet "R"	Stainless steel / hard-coated	...-050-1206	...-050-1206	...-050-1206	-	-	-	-
2.50	Flat / Circular "FL"	Tungsten carbide	...-050-0969	...-050-0969	...-050-0969	-	-	-	-
3.00	Rotary jet "D"	Stainless steel	...-050-0978	...-050-0978	...-050-0978	-	-	-	-
3.00	Flat / Circular "FF"	Stainless steel	...-050-1517	...-050-1517	...-050-1517	-	-	-	-
3.00	Flat / Circular "FL"	Stainless steel	...-050-0655	...-050-0655	...-050-0655	-	-	-	-
3.00	Circular jet "R"	Stainless steel	...-050-0686	...-050-0686	...-050-0686	-	-	-	-
3.00	Rotary jet "D"	Stainless steel / hard-coated	...-050-1056	...-050-1056	...-050-1056	-	-	-	-
3.00	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0667	...-050-0667	...-050-0667	-	-	-	-
3.00	Circular jet "R"	Stainless steel / hard-coated	...-050-0253	...-050-0253	...-050-0253	-	-	-	-
3.50	Rotary jet "D"	Stainless steel	...-050-0979	...-050-0979	...-050-0979	-	-	-	-
3.50	Flat / Circular "FF"	Stainless steel	...-050-1518	...-050-1518	...-050-1518	-	-	-	-
3.50	Flat / Circular "FL"	Stainless steel	...-050-0656	...-050-0656	...-050-0656	-	-	-	-
3.50	Circular jet "R"	Stainless steel	...-050-0687	...-050-0687	...-050-0687	-	-	-	-
3.50	Rotary jet "D"	Stainless steel / hard-coated	...-050-0207	...-050-0207	...-050-0207	-	-	-	-
3.50	Flat / Circular FL"	Stainless steel / hard-coated	...-050-0668	...-050-0668	...-050-0668	-	-	-	-
3.50	Circular jet "R"	Stainless steel / hard-coated	...-050-1207	...-050-1207	...-050-1207	-	-	-	-
4.50	Rotary jet "D"	Stainless steel	...-050-0980	...-050-0980	...-050-0980	-	-	-	-
4.50	Flat / Circular "FF"	Stainless steel	...-050-1519	...-050-1519	...-050-1519	-	-	-	-
4.50	Flat / Circular "FL"	Stainless steel	...-050-0657	...-050-0657	...-050-0657	-	-	-	-
4.50	Circular jet "R"	Stainless steel	...-050-0688	...-050-0688	...-050-0688	-	-	-	-
4.50	Rotary jet "D"	Stainless steel / hard-coated	...-050-1057	...-050-1057	...-050-1057	-	-	-	-
4.50	Flat / Circular "FL"	Stainless steel / hard-coated	...-050-0669	...-050-0669	...-050-0669	-	-	-	-
4.50	Circular jet "R"	Stainless steel / hard-coated	...-050-1208	...-050-1208	...-050-1208	-	-	-	-
6.00	Rotary jet "D"	Stainless steel	...-050-0981	...-050-0981	...-050-0981	-	-	-	-
6.00	Flat / Circular "FF"	Stainless steel	...-050-1520	...-050-1520	...-050-1520	-	-	-	-
6.00	Flat / Circular "FL"	Stainless steel	...-050-0658	...-050-0658	...-050-0658	-	-	-	-
6.00	Circular jet "R"	Stainless steel	...-050-0689	...-050-0689	...-050-0689	-	-	-	-

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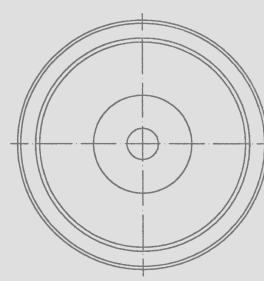




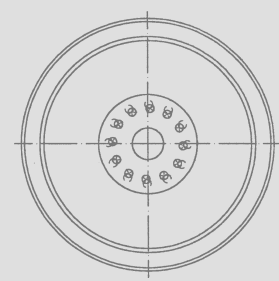
Air nozzle
Type HV3-A



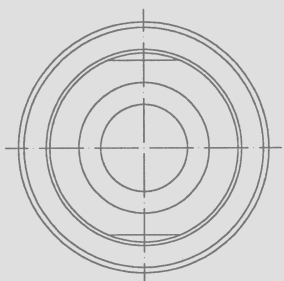
Air nozzle
Mottle Type Sp



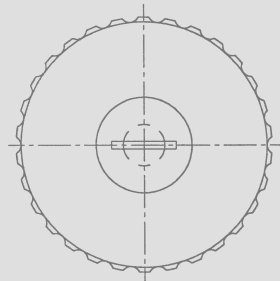
Air nozzle
Rotary jet Type DZ



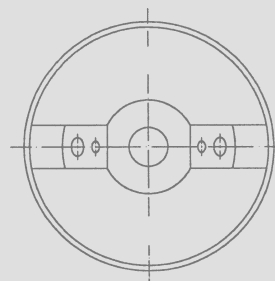
Air nozzle
Rotary jet Type DZ12



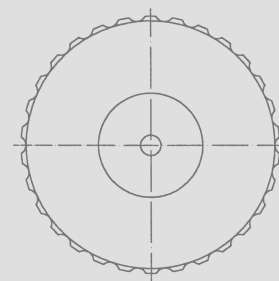
Air nozzle
DUO-H / DUO-A



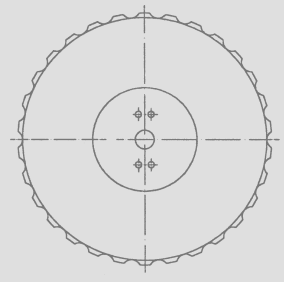
Air nozzle
Slit nozzle Type S



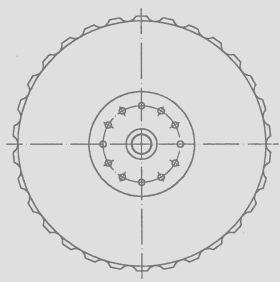
Air nozzle
Type HV1



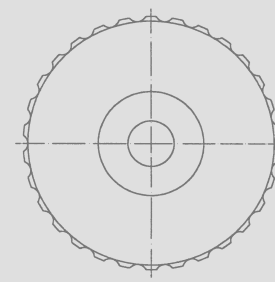
Air nozzle
Circular jet Type R



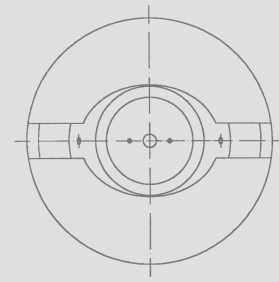
Air nozzle
Rotary jet Type DX



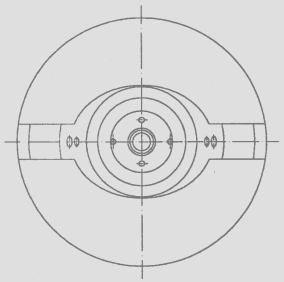
Air nozzle
Rotary jet Type DK



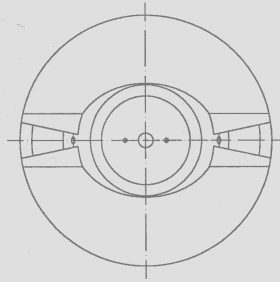
Air nozzle
Rotary jet Type DT



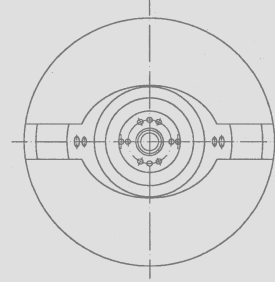
Air nozzle
Flat jet Type G



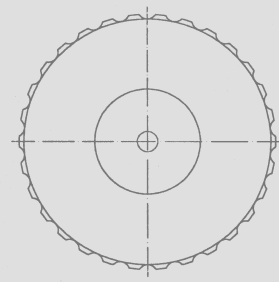
Air nozzle
Flat jet Type GG



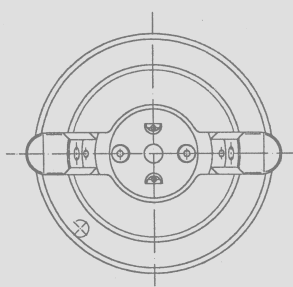
Air nozzle
Rotary jet Type G1



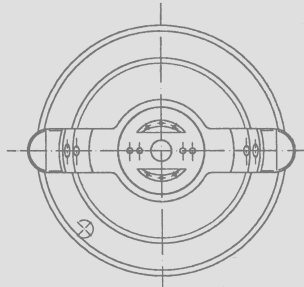
Air nozzle
Flat jet Type GG2



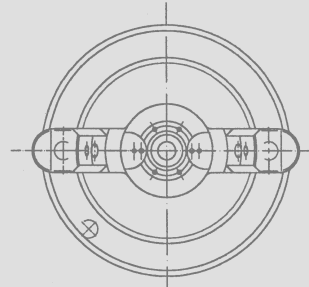
Air nozzle
Rotary jet Type D



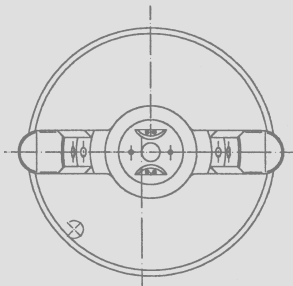
Air nozzle
Flachstrahl Typ F



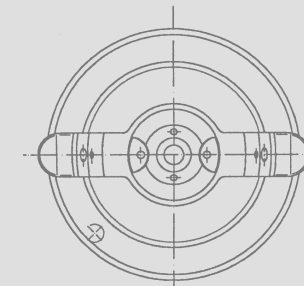
Air nozzle
Flachstrahl Typ F1



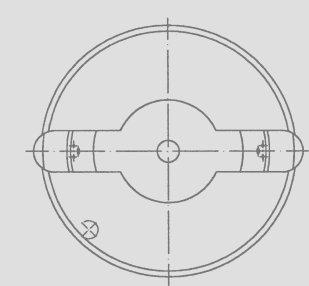
Air nozzle
Flachstrahl Typ F2



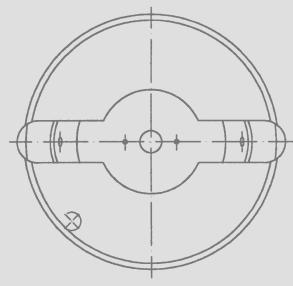
Air nozzle
Flat jet Type F4



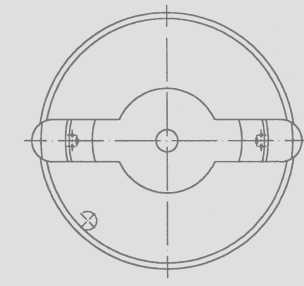
Air nozzle
Flat jet Type F6



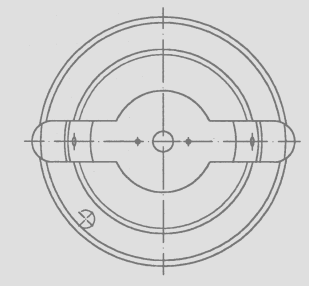
Air nozzle
Flat jet Type DE



Air nozzle
Flat jet Type C



Air nozzle
Flat jet Type E



Air nozzle
Flat jet Type DC

Hand-held spray guns,
classified by material

Spray gun			HS 25 HV1	HS 25 HV3	Mignon 3 HV3
Version / type no.			gravity feed / 2583...	gravity feed / 2587...	gravity feed / 0853...
(Please state type no. in front of order no.)			suction feed / 2583...	suction feed / 2587...	material feed in gun handle / 0853...
Material	Typ	mm	order no.	order no.	order no.
Aluminium anodised	HVLP	(I) 0.30 - 1.80	...-060-0664	-	-
Brass / PTFE	Flat / Circular "F"	2.00	-	...-060-0561	-
Brass / PTFE	Flat / Circular "F"	2.20	-	...-060-0562	-
Brass / PTFE	Flat / Circular "F"	2.50	-	...-060-0563	-
Brass / PTFE	Flat / Circular "F"	3.00	-	...-060-0564	-
Brass / PTFE	Flat / Circular "F2"	1.80	-	...-060-0614	-
Brass / PTFE	Flat / Circular "F2"	2.00	-	...-060-0615	-
Brass / PTFE	Flat / Circular "F2"	2.20	-	...-060-0616	-
Brass / PTFE	Flach / Circular "F2"	2.50	-	...-060-0617	-
Brass / PTFE	HV3-A	(I) 0.30 - 1.80	-	...-060-0731	-
Brass / PTFE	HV3-A	(II) 2.00 / 2.50	-	...-060-0732	-
Brass / PTFE	HV3-G	(I) 0.30 - 1.80	-	...-060-0733	-
Brass / PTFE	HV3-G	(II) 2.00 / 2.50	-	...-060-0734	-
Brass / PTFE	HV3-H	(I) 0.30 - 1.80	-	...-060-0735	-
Brass / PTFE	HVLP	(I) 0.30 - 1.80	...-060-0544	-	-
Brass / PTFE	HVLP	(II) 2.00 / 2.50	...-060-0545	-	-
Brass, nickel-pl.	HV3 M-A	0.20 - 2.00	-	-	...-060-0873
Brass, nickel-pl.	HV3 M-H	0.20 - 2.00	-	-	...-060-0874
Brass, nickel-pl.	HV3 M-G	0.20 - 2.00	-	-	...-060-0875
Brass, nickel-pl.	Flat / Circular	2.00	-	...-060-0204	-
Brass, nickel-pl.	Flat / Circular	2.20	-	...-060-0205	-
Brass, nickel-pl.	Flat / Circular	2.50	-	...-060-0206	-
Brass, nickel-pl.	Flat / Circular	3.00	-	...-060-0207	-
Brass, nickel-pl.	Flat / Circular "2"	1.80	-	...-060-0234	-
Brass, nickel-pl.	Flat / Circular "2"	2.00	-	...-060-0235	-
Brass, nickel-pl.	Flat / Circular "2"	2.20	-	...-060-0236	-
Brass, nickel-pl.	Flat / Circular "2"	2.50	-	...-060-0237	-
Brass, nickel-pl.	HV1	1.20	...-060-0440	-	-
Brass, nickel-pl.	HV1	1.50	...-060-0441	-	-
Brass, nickel-pl.	HV1	1.80	...-060-0442	-	-
Brass, nickel-pl.	HV1	2.00	...-060-0542	-	-
Brass, nickel-pl.	HV1	2.50	...-060-0443	-	-
Brass, nickel-pl.	HV1	(I) 0.30 - 1.80	...-060-0008	-	-
Brass, nickel-pl.	HV1	(II) 2.00 / 2.50	...-060-0430	-	-
Brass, nickel-pl.	HV3-A	(I) 0.30 - 1.80	-	...-060-0672	-
Brass, nickel-pl.	HV3-A	(II) 2.00 / 2.50	-	...-060-0673	-
Brass, nickel-pl.	HV3-G	(I) 0.30 - 1.80	-	...-060-0676	-
Brass, nickel-pl.	HV3-G	(II) 2.00 / 2.50	-	...-060-0677	-
Brass, nickel-pl.	HV3-H	(I) 0.30 - 1.80	-	...-060-0681	-

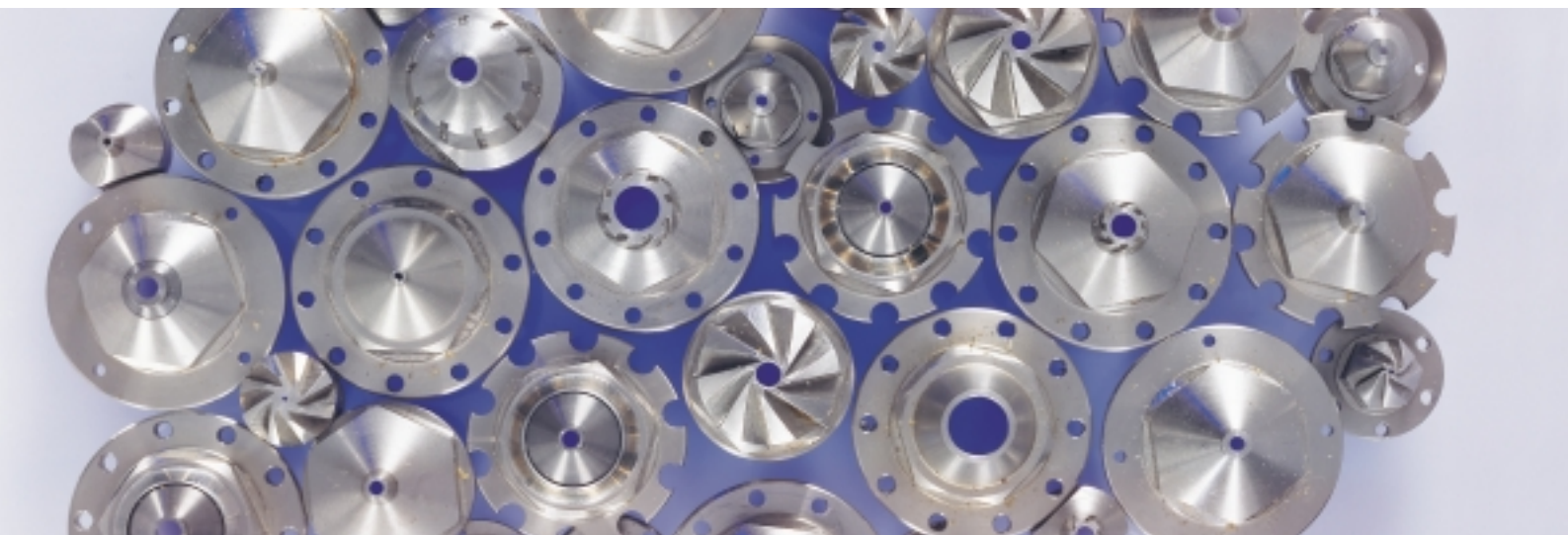
Hand-held spray guns,
classified by size

Spray gun			HS 25 HV1	HS 25 HV3	Mignon 3 HV3
Version / type no.			gravity feed / 2583...	gravity feed / 2587...	gravity feed / 0853...
(Please state type no. in front of order no.)			suction feed / 2583...	suction feed / 2587...	material feed in gun handle / 0853...
mm	type	material	order no.	order no.	order no.
1.20	HV1	Brass, nickel-pl.	...-060-0440	-	-
1.50	HV1	Brass, nickel-pl.	...-060-0441	-	-
1.80	Flat / Circular "F2"	Brass / PTFE	-	...-060-0614	-
1.80	Flat / Circular "F2"	Brass, nickel-pl.	-	...-060-0234	-
1.80	HV1	Brass, nickel-pl.	...-060-0442	-	-
2.00	Flat / Circular "F"	Brass / PTFE	-	...-060-0561	-
2.00	Flat / Circular "F"	Brass, nickel-pl.	-	...-060-0204	-
2.00	Flat / Circular "F2"	Brass / PTFE	-	...-060-0615	-
2.00	Flat / Circular "F2"	Brass, nickel-pl.	-	...-060-0235	-
2.00	HV1	Brass, nickel-pl.	...-060-0542	-	-
2.20	Flat / Circular "F"	Brass / PTFE	-	...-060-0562	-
2.20	Flat / Circular "F"	Brass, nickel-pl.	-	...-060-0205	-
2.20	Flat / Circular "F2"	Brass / PTFE	-	...-060-0616	-
2.20	Flat / Circular "F2"	Brass, nickel-pl.	-	...-060-0236	-
2.50	Flat / Circular "F"	Brass / PTFE	-	...-060-0563	-
2.50	Flat / Circular "F"	Brass, nickel-pl.	-	...-060-0206	-
2.50	Flat / Circular "F2"	Brass / PTFE	-	...-060-0617	-
2.50	Flat / Circular "F2"	Brass, nickel-pl.	-	...-060-0237	-
2.50	HV1	Brass, nickel-pl.	...-060-0443	-	-
3.00	Flat / Circular "F"	Brass / PTFE	-	...-060-0564	-
3.00	Flat / Circular "F"	Brass, nickel-pl.	-	...-060-0207	-
0.20 - 2.00	HV3 M-A	Brass, nickel-pl.	-	-	...-060-0873
0.20 - 2.00	HV3 M-H	Brass, nickel-pl.	-	-	...-060-0874
0.20 - 2.00	HV3 M-G	Brass, nickel-pl.	-	-	...-060-0875
(I) 0.30 - 1.80	HV1	Brass, nickel-pl.	...-060-0008	-	-
(I) 0.30 - 1.80	HV3-A	Brass / PTFE	-	...-060-0731	-
(I) 0.30 - 1.80	HV3-A	Brass, nickel-pl.	-	...-060-0672	-
(I) 0.30 - 1.80	HV3-G	Brass / PTFE	-	...-060-0733	-
(I) 0.30 - 1.80	HV3-G	Brass, nickel-pl.	-	...-060-0676	-
(I) 0.30 - 1.80	HV3-H	Brass / PTFE	-	...-060-0735	-
(I) 0.30 - 1.80	HV3-H	Brass, nickel-pl.	-	...-060-0681	-
(I) 0.30 - 1.80	HVLP	ALU / ELOX	...-060-0664	-	-
(I) 0.30 - 1.80	HVLP	Brass / PTFE	...-060-0544	-	-
(II) 2.00 / 2.50	HV1	Brass, nickel-pl.	...-060-0430	-	-
(II) 2.00 / 2.50	HV3-A	Brass / PTFE	-	...-060-0732	-
(II) 2.00 / 2.50	HV3-A	Brass, nickel-pl.	-	...-060-0673	-
(II) 2.00 / 2.50	HV3-G	Brass / PTFE	-	...-060-0734	-
(II) 2.00 / 2.50	HV3-G	Brass, nickel-pl.	-	...-060-0677	-
(II) 2.00 / 2.50	HVLP	Brass / PTFE	...-060-0545	-	-

Subject to change

Automatic spray guns,
classified by size

Spray gun >			A12 HV1	RA2 HV1	A14 HV3	RA2 HV3	M14 HV3
Version >							
Type no. >	(Please state type no. in front of order no.)		1030...	0915...	1032...	0920...	2901...
mm	type	material	order no.	order no.	order no.	order no.	order no.
1.20	Flat / Circular "HV1"	Brass, nickel-pl.	...-060-0440	...-060-0440	-	-	-
1.50	Flat / Circular "HV1"	Brass, nickel-pl.	...-060-0441	...-060-0441	-	-	-
1.80	Flat / Circular "F"	Brass, PTFE	...-060-0560	...-060-0560	...-060-0560	...-060-0560	-
1.80	Flat / Circular "F"	Brass, nickel-pl.	...-060-0203	...-060-0203	...-060-0203	...-060-0203	-
1.80	Flat / Circular "F2"	Al. hard-coated	...-060-0736	...-060-0736	-	-	-
1.80	Flat / Circular "F2"	Brass, PTFE	...-060-0614	...-060-0614	...-060-0614	...-060-0614	-
1.80	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0234	...-060-0234	...-060-0234	...-060-0234	-
1.80	Flat / Circular "HV1"	Brass, nickel-pl.	...-060-0442	...-060-0442	-	-	-
2.00	Flat / Circular "F"	Brass, PTFE	...-060-0561	...-060-0561	...-060-0561	...-060-0561	-
2.00	Flat / Circular "F"	Brass, nickel-pl.	...-060-0204	...-060-0204	...-060-0204	...-060-0204	-
2.00	Flat / Circular "F2"	Brass, PTFE	...-060-0615	...-060-0615	...-060-0615	...-060-0615	-
2.00	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0235	...-060-0235	...-060-0235	...-060-0235	-
2.00	Flat / Circular "HV1"	Brass, nickel-pl.	...-060-0542	...-060-0542	-	-	-
2.20	Flat / Circular "F"	Brass, PTFE	...-060-0562	...-060-0562	...-060-0562	...-060-0562	-
2.20	Flat / Circular "F"	Brass, nickel-pl.	...-060-0205	...-060-0205	...-060-0205	...-060-0205	-
2.20	Flat / Circular "F2"	Brass, PTFE	...-060-0616	...-060-0616	...-060-0616	...-060-0616	-
2.20	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0236	...-060-0236	...-060-0236	...-060-0236	-
2.50	Flat / Circular "F"	Brass, PTFE	...-060-0563	...-060-0563	...-060-0563	...-060-0563	-
2.50	Flat / Circular "F"	Brass, nickel-pl.	...-060-0206	...-060-0206	...-060-0206	...-060-0206	-
2.50	Flat / Circular "F2"	Brass, PTFE	...-060-0617	...-060-0617	...-060-0617	...-060-0617	-
2.50	Flat / Circular "F2"	Brass, nickel-pl.	...-060-0237	...-060-0237	...-060-0237	...-060-0237	-
2.50	Flat / Circular "HV1"	Brass, nickel-pl.	...-060-0443	...-060-0443	-	-	-
3.00	Flat / Circular "F"	Brass, PTFE	...-060-0564	...-060-0564	...-060-0564	...-060-0564	-
3.00	Flat / Circular "F"	Brass, nickel-pl.	...-060-0207	...-060-0207	...-060-0207	...-060-0207	-
0.2 - 2.0	HV3 M-A	Brass, nickel-pl.	-	-	-	-	...-060-0873
0.2 - 2.0	HV3 M-H	Brass, nickel-pl.	-	-	-	-	...-060-0874
0.2 - 2.0	HV3 M-G	Brass, nickel-pl.	-	-	-	-	...-060-0875
(I) 0.30 - 1.80	Flat / Circular "HV1"	Aluminium anodised	...-060-0664	...-060-0664	-	-	-
(I) 0.30 - 1.80	Flat / Circular "HV1"	Brass, PTFE	...-060-0544	...-060-0544	-	-	-
(I) 0.30 - 1.80	Flat / Circular "HV1"	Brass, nickel-pl.	...-060-0008	...-060-0008	-	-	-
(I) 0.30 - 1.80	Flat / Circular HV3-A	Brass, PTFE	-	-	...-060-0731	...-060-0731	-
(I) 0.30 - 1.80	Flat / Circular HV3-A	Brass, nickel-pl.	-	-	...-060-0672	...-060-0672	-
(I) 0.30 - 1.80	Flat / Circular HV3-G	Brass, PTFE	-	-	...-060-0733	...-060-0733	-
(I) 0.30 - 1.80	Flat / Circular HV3-G	Brass, nickel-pl.	-	-	...-060-0676	...-060-0676	-
(I) 0.30 - 1.80	Flat / Circular HV3-H	MS-PTFE	-	-	...-060-0735	...-060-0735	-
(I) 0.30 - 1.80	HV3-H	Brass, nickel-pl.	-	-	...-060-0681	...-060-0681	-
(II) 2.00 / 2.50	Flat / Circular "HV1"	Brass, PTFE	...-060-0545	...-060-0545	-	-	-
(II) 2.00 / 2.50	Flat / Circular "HV1"	Brass, nickel-pl.	...-060-0430	...-060-0430	-	-	-
(II) 2.00 / 2.50	Flat / Circular HV3-A	Brass, PTFE	-	-	...-060-0732	...-060-0732	-
(II) 2.00 / 2.50	Flat / Circular HV3-A	Brass, nickel-pl.	-	-	...-060-0673	...-060-0673	-
(II) 2.00 / 2.50	Flat / Circular HV3-G	Brass, PTFE	-	-	...-060-0734	...-060-0734	-
(II) 2.00 / 2.50	Flat / Circular HV3-G	Brass, nickel-pl.	-	-	...-060-0677	...-060-0677	-



Hand-held spray guns,
classified by material

Spray gun			HS 25 HV1	HS 25 HV3	Mignon 3 HV3
Version / type no.			gravity feed / 2583...	gravity feed / 2587...	gravity feed / 0853...
(Please state type no. in front of order no.)			suction feed / 2583...	suction feed / 2587...	material feed
					in gun handle / 0853...
Material	type	mm	order no.	order no.	order no.
Stainless steel	Flat / Circular "HV"	0.30	...-050-1020	-	-
Stainless steel	Flat / Circular "HV"	0.50	...-050-0696	-	-
Stainless steel	Flat / Circular "HV"	0.80	...-050-0697	-	-
Stainless steel	Flat / Circular "HV"	1.00	...-050-0698	-	-
Stainless steel	Flat / Circular "HV"	1.20	...-050-0699	-	-
Stainless steel	Flat / Circular "HV"	1.50	...-050-0700	-	-
Stainless steel	Flat / Circular "HV"	1.80	...-050-0701	-	-
Stainless steel	Flat / Circular "HV"	2.00	...-050-1006	-	-
Stainless steel	Flat / Circular "HV"	2.50	...-050-1007	-	-
Stainless steel	Flat / Circular "HV3"	0.30	-	...-050-1474	-
Stainless steel	Flat / Circular "HV3"	0.50	-	...-050-1475	-
Stainless steel	Flat / Circular "HV3"	0.80	-	...-050-1476	-
Stainless steel	Flat / Circular "HV3"	1.00	-	...-050-1477	-
Stainless steel	Flat / Circular "HV3"	1.20	-	...-050-1478	-
Stainless steel	Flat / Circular "HV3"	1.50	-	...-050-1479	-
Stainless steel	Flat / Circular "HV3"	1.80	-	...-050-1480	-
Stainless steel	Flat / Circular "HV3"	2.00	-	...-050-1481	-
Stainless steel	Flat / Circular "HV3"	2.20	-	...-050-1482	-
Stainless steel	Flat / Circular "HV3"	2.50	-	...-050-1483	-
Stainless steel	HV3-M	0.20	-	-	...-050-2092
Stainless steel	HV3-M	0.30	-	-	...-050-2093
Stainless steel	HV3-M	0.50	-	-	...-050-2094
Stainless steel	HV3-M	0.65	-	-	...-050-2095
Stainless steel	HV3-M	0.80	-	-	...-050-2096
Stainless steel	HV3-M	1.00	-	-	...-050-2097
Stainless steel	HV3-M	1.20	-	-	...-050-2098
Stainless steel	HV3-M	1.50	-	-	...-050-2099
Stainless steel / hard-coated	Flat / Circular "HV"	0.30	...-050-1153	-	-
Stainless steel / hard-coated	Flat / Circular "HV"	0.50	...-050-1154	-	-
Stainless steel / hard-coated	Flat / Circular "HV"	0.80	...-050-1155	-	-
Stainless steel / hard-coated	Flat / Circular "HV"	1.00	...-050-1156	-	-
Stainless steel / hard-coated	Flat / Circular "HV"	1.20	...-050-1157	-	-
Stainless steel / hard-coated	Flat / Circular "HV"	1.50	...-050-1158	-	-
Stainless steel / hard-coated	Flat / Circular "HV"	1.80	...-050-1159	-	-
Stainless steel / hard-coated	Flat / Circular "HV"	2.00	...-050-1160	-	-
Stainless steel / hard-coated	Flat / Circular "HV"	2.50	...-050-1161	-	-
Stainless steel / hard-coated	Flat / Circular "HV3"	0.30	-	...-050-1551	-
Stainless steel / hard-coated	Flat / Circular "HV3"	0.50	-	...-050-1552	-
Stainless steel / hard-coated	Flat / Circular "HV3"	0.80	-	...-050-1553	-
Stainless steel / hard-coated	Flat / Circular "HV3"	1.00	-	...-050-1554	-
Stainless steel / hard-coated	Flat / Circular "HV3"	1.20	-	...-050-1555	-
Stainless steel / hard-coated	Flat / Circular "HV3"	1.50	-	...-050-1556	-
Stainless steel / hard-coated	Flat / Circular "HV3"	1.80	-	...-050-1557	-
Stainless steel / hard-coated	Flat / Circular "HV3"	2.00	-	...-050-1558	-
Stainless steel / hard-coated	Flat / Circular "HV3"	2.20	-	...-050-1559	-
Stainless steel / hard-coated	Flat / Circular "HV3"	2.50	-	...-050-1560	-
Tungsten carbide	Flat / Circular "HV"	1.20	...-050-0996	-	-
Tungsten carbide	Flat / Circular "HV"	1.50	...-050-0997	-	-
Tungsten carbide	Flat / Circular "HV"	1.80	...-050-0998	-	-
Tungsten carbide	Flat / Circular "HV"	2.00	...-050-1168	-	-
Tungsten carbide	Flat / Circular "HV"	2.50	...-050-0999	-	-
Tungsten carbide	Flat / Circular "HV3"	1.20	-	...-050-1594	-

Hand-held spray guns,
classified by size

Spray gun >			HS 25 HV1	HS 25 HV3	Mignon 3 HV3
Version / type no. >			gravity feed / 2583...	gravity feed / 2587...	gravity feed / 0853...
(Please state type no. in front of order no.)			suction feed / 2583...	suction feed / 2587...	material feed
					in gun handle / 0853...
mm	type	material	order no.	order no.	order no.
0.20	HV3-M	Stainless steel	-	-	...-050-2092
0.30	Flat / Circular "HV"	Stainless steel	...-050-1020	-	-
0.30	Flat / Circular "HV"	Stainless steel / hard-coated	...-050-1153	-	-
0.30	Flat / Circular "HV3"	Stainless steel	-	...-050-1474	-
0.30	Flat / Circular "HV3"	Stainless steel / hard-coated	-	...-050-1551	-
0.30	HV3-M	Stainless steel	-	-	...-050-2093
0.50	Flat / Circular "HV"	Stainless steel	...-050-0696	-	-
0.50	Flat / Circular "HV"	Stainless steel / hard-coated	...-050-1154	-	-
0.50	Flat / Circular "HV3"	Stainless steel	-	...-050-1475	-
0.50	Flat / Circular "HV3"	Stainless steel / hard-coated	-	...-050-1552	-
0.50	HV3-M	Stainless steel	-	-	...-050-2094
0.65	HV3-M	Stainless steel	-	-	...-050-2095
0.80	Flat / Circular "HV"	Stainless steel	...-050-0697	-	-
0.80	Flat / Circular "HV"	Stainless steel / hard-coated	...-050-1155	-	-
0.80	Flat / Circular "HV3"	Stainless steel	-	...-050-1476	-
0.80	Flat / Circular "HV3"	Stainless steel / hard-coated	-	...-050-1553	-
0.80	HV3-M	Stainless steel	-	-	...-050-2096
1.00	Flat / Circular "HV"	Stainless steel	...-050-0698	-	-
1.00	Flat / Circular "HV"	Stainless steel / hard-coated	...-050-1156	-	-
1.00	Flat / Circular "HV3"	Stainless steel	-	...-050-1477	-
1.00	Flat / Circular "HV3"	Stainless steel / hard-coated	-	...-050-1554	-
1.00	HV3-M	Stainless steel	-	-	...-050-2097
1.20	Flat / Circular "HV"	Stainless steel	...-050-0699	-	-
1.20	Flat / Circular "HV"	Stainless steel / hard-coated	...-050-1157	-	-
1.20	Flat / Circular "HV"	Tungsten carbide	...-050-0996	-	-
1.20	Flat / Circular "HV3"	Stainless steel	-	...-050-1478	-
1.20	Flat / Circular "HV3"	Stainless steel / hard-coated	-	...-050-1555	-
1.20	Flat / Circular "HV3"	Tungsten carbide	-	...-050-1594	-
1.20	HV3-M	Stainless steel	-	-	...-050-2098
1.50	Flat / Circular "HV"	Stainless steel	...-050-0700	-	-
1.50	Flat / Circular "HV"	Stainless steel / hard-coated	...-050-1158	-	-
1.50	Flat / Circular "HV"	Tungsten carbide	...-050-0997	-	-
1.50	Flat / Circular "HV3"	Stainless steel	-	...-050-1479	-
1.50	Flat / Circular "HV3"	Stainless steel / hard-coated	-	...-050-1556	-
1.50	Flat / Circular "HV3"	Tungsten carbide	-	...-050-1595	-
1.50	HV3-M	Stainless steel	-	-	...-050-2099
1.80	Flat / Circular "HV"	Stainless steel	...-050-0701	-	-
1.80	Flat / Circular "HV"	Stainless steel / hard-coated	...-050-1159	-	-
1.80	Flat / Circular "HV"	Tungsten carbide	...-050-0998	-	-
1.80	Flat / Circular "HV3"	Stainless steel	-	...-050-1480	-
1.80	Flat / Circular "HV3"	Stainless steel / hard-coated	-	...-050-1557	-
1.80	Flat / Circular "HV3"	Tungsten carbide	-	...-050-1596	-
2.00	Flat / Circular "HV"	Stainless steel	...-050-1006	-	-
2.00	Flat / Circular "HV"	Stainless steel / hard-coated	...-050-1160	-	-
2.00	Flat / Circular "HV"	Tungsten carbide	...-050-1168	-	-

Automatic spray guns,
classified by material

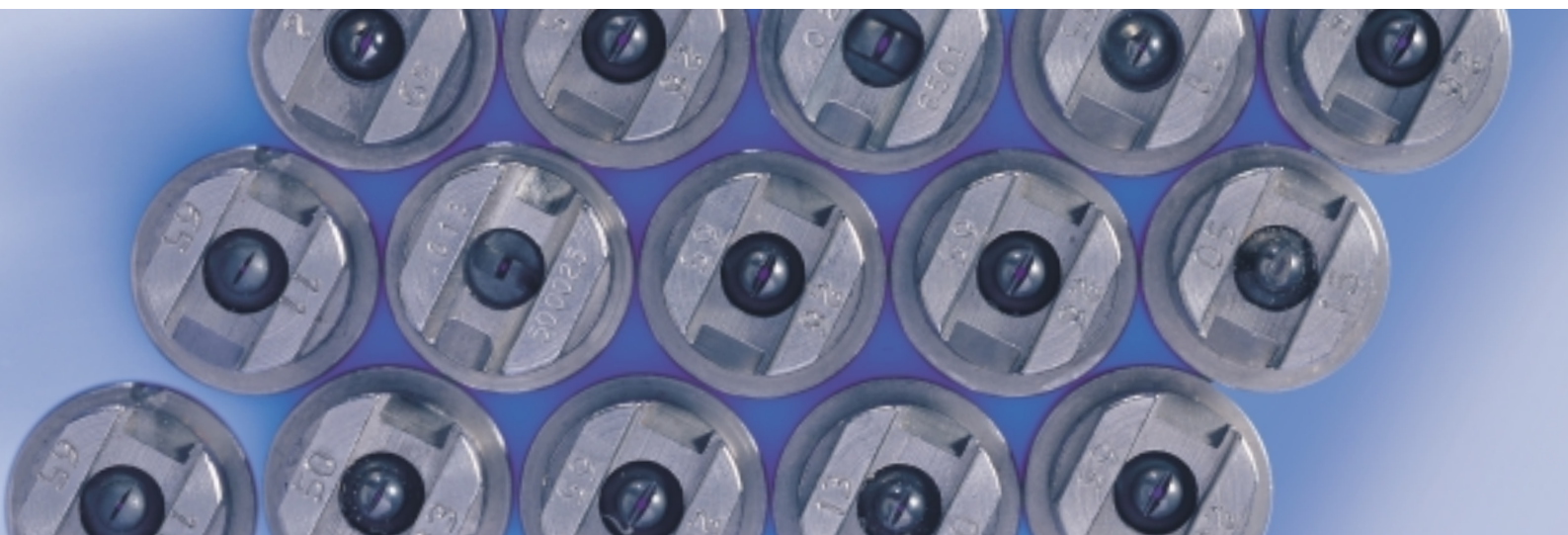
Spray gun >			A 12 HV1	RA 2 HV1	A 14 HV3	RA 2 HV3	M 14 HV3
Type no. > (Please state type no. in front of order no.)			1030...	0915...	1032...	0920...	2901...
Material	type	mm	order no.	order no.	order no.	order no.	order no.
Stainless steel	Flat / Circular HV	0.30	...-050-1020	...-050-1020	-	-	-
Stainless steel	Flat / Circular HV	0.50	...-050-0696	...-050-0696	-	-	-
Stainless steel	Flat / Circular HV	0.80	...-050-0697	...-050-0697	-	-	-
Stainless steel	Flat / Circular HV	1.00	...-050-0698	...-050-0698	-	-	-
Stainless steel	Flat / Circular HV	1.20	...-050-0699	...-050-0699	-	-	-
Stainless steel	Flat / Circular HV	1.50	...-050-0700	...-050-0700	-	-	-
Stainless steel	Flat / Circular HV	1.80	...-050-0701	...-050-0701	-	-	-
Stainless steel	Flat / Circular HV	2.00	...-050-1006	...-050-1006	-	-	-
Stainless steel	Flat / Circular HV	2.50	...-050-1007	...-050-1007	-	-	-
Stainless steel	Flat / Circular HV3	0.30	-	-	...-050-1474	...-050-1474	-
Stainless steel	Flat / Circular HV3	0.50	-	-	...-050-1475	...-050-1475	-
Stainless steel	Flat / Circular HV3	0.80	-	-	...-050-1476	...-050-1476	-
Stainless steel	Flat / Circular HV3	1.00	-	-	...-050-1477	...-050-1477	-
Stainless steel	Flat / Circular HV3	1.20	-	-	...-050-1478	...-050-1478	-
Stainless steel	Flat / Circular HV3	1.50	-	-	...-050-1479	...-050-1479	-
Stainless steel	Flat / Circular HV3	1.80	-	-	...-050-1480	...-050-1480	-
Stainless steel	Flat / Circular HV3	2.00	-	-	...-050-1481	...-050-1481	-
Stainless steel	Flat / Circular HV3	2.20	-	-	...-050-1482	...-050-1482	-
Stainless steel	Flat / Circular HV3	2.50	-	-	...-050-1483	...-050-1483	-
Stainless steel	HV3-M	0.20	-	-	-	-	...-050-2092
Stainless steel	HV3-M	0.30	-	-	-	-	...-050-2093
Stainless steel	HV3-M	0.50	-	-	-	-	...-050-2094
Stainless steel	HV3-M	0.65	-	-	-	-	...-050-2095
Stainless steel	HV3-M	0.80	-	-	-	-	...-050-2096
Stainless steel	HV3-M	1.00	-	-	-	-	...-050-2097
Stainless steel	HV3-M	1.20	-	-	-	-	...-050-2098
Stainless steel	HV3-M	1.50	-	-	-	-	...-050-2099.
Stainless steel / hard-coated	Flat / Circular HV	0.30	...-050-1153	...-050-1153	-	-	-
Stainless steel / hard-coated	Flat / Circular HV	0.50	...-050-1154	...-050-1154	-	-	-
Stainless steel / hard-coated	Flat / Circular HV	0.80	...-050-1155	...-050-1155	-	-	-
Stainless steel / hard-coated	Flat / Circular HV	1.00	...-050-1156	...-050-1156	-	-	-
Stainless steel / hard-coated	Flat / Circular HV	1.20	...-050-1157	...-050-1157	-	-	-
Stainless steel / hard-coated	Flat / Circular HV	1.50	...-050-1158	...-050-1158	-	-	-
Stainless steel / hard-coated	Flat / Circular HV	1.80	...-050-1159	...-050-1159	-	-	-
Stainless steel / hard-coated	Flat / Circular HV	2.00	...-050-1160	...-050-1160	-	-	-
Stainless steel / hard-coated	Flat / Circular HV	2.50	...-050-1161	...-050-1161	-	-	-
Stainless steel / hard-coated	Flat / Circular HV3	0.30	-	-	...-050-1551	...-050-1551	-
Stainless steel / hard-coated	Flat / Circular HV3	0.50	-	-	...-050-1552	...-050-1552	-
Stainless steel / hard-coated	Flat / Circular HV3	0.80	-	-	...-050-1553	...-050-1553	-
Stainless steel / hard-coated	Flat / Circular HV3	1.00	-	-	...-050-1554	...-050-1554	-
Stainless steel / hard-coated	Flat / Circular HV3	1.20	-	-	...-050-1555	...-050-1555	-
Stainless steel / hard-coated	Flat / Circular HV3	1.50	-	-	...-050-1556	...-050-1556	-
Stainless steel / hard-coated	Flat / Circular HV3	1.80	-	-	...-050-1557	...-050-1557	-
Stainless steel / hard-coated	Flat / Circular HV3	2.00	-	-	...-050-1558	...-050-1558	-
Stainless steel / hard-coated	Flat / Circular HV3	2.20	-	-	...-050-1559	...-050-1559	-
Stainless steel / hard-coated	Flat / Circular HV3	2.50	-	-	...-050-1560	...-050-1560	-
Tungsten carbide	Flat / Circular HV	1.20	...-050-0996	...-050-0996	-	-	-
Tungsten carbide	Flat / Circular HV	1.50	...-050-0997	...-050-0997	-	-	-
Tungsten carbide	Flat / Circular HV	1.80	...-050-0998	...-050-0998	-	-	-
Tungsten carbide	Flat / Circular HV	2.00	...-050-1168	...-050-1168	-	-	-
Tungsten carbide	Flat / Circular HV	2.50	...-050-0999	...-050-0999	-	-	-
Tungsten carbide	Flat / Circular HV3	1.20	-	-	...-050-1594	...-050-1594	-
Tungsten carbide	Flat / Circular HV3	1.50	-	-	...-050-1595	...-050-1595	-
Tungsten carbide	Flat / Circular HV3	1.80	-	-	...-050-1596	...-050-1596	-

Automatic spray guns,
classified by size

Spray gun >			A 12 HV1	RA 2 HV1	A 14 HV3	RA 2 HV3	M 14 HV3
Type no. > (Please state type no. in front of order no.)			1030...	0915...	1032...	0920...	2901...
mm	type	Material	order no.	order no.	order no.	order no.	order no.
0.20	HV3-M	Stainless steel	-	-	-	-	...-050-2092
0.30	Flat / Circular "HV"	Stainless steel	...-050-1020	...-050-1020	-	-	-
0.30	Flat / Circular "HV"	Stainless steel / hard-coated	...-050-1153	...-050-1153	-	-	-
0.30	Flat / Circular "HV3"	Stainless steel	-	-	...-050-1474	...-050-1474	-
0.30	Flat / Circular "HV3"	Stainless steel / hard-coated	-	-	...-050-1551	...-050-1551	-
0.30	HV3-M	Stainless steel	-	-	-	-	...-050-2093
0.50	Flat / Circular "HV"	Stainless steel	...-050-0696	...-050-0696	-	-	-
0.50	Flat / Circular "HV"	Stainless steel / hard-coated	...-050-1154	...-050-1154	-	-	-
0.50	Flat / Circular "HV3"	Stainless steel	-	-	...-050-1475	...-050-1475	-
0.50	Flat / Circular "HV3"	Stainless steel / hard-coated	-	-	...-050-1552	...-050-1552	-
0.50	HV3-M	Stainless steel	-	-	-	-	...-050-2094
0.65	HV3-M	Stainless steel	-	-	-	-	...-050-2095
0.80	Flat / Circular "HV"	Stainless steel	...-050-0697	...-050-0697	-	-	-
0.80	Flat / Circular "HV"	Stainless steel / hard-coated	...-050-1155	...-050-1155	-	-	-
0.80	Flat / Circular "HV3"	Stainless steel	-	-	...-050-1476	...-050-1476	-
0.80	Flat / Circular "HV3"	Stainless steel / hard-coated	-	-	...-050-1553	...-050-1553	-
0.80	HV3-M	Stainless steel	-	-	-	-	...-050-2096
1.00	Flat / Circular "HV"	Stainless steel	...-050-0698	...-050-0698	-	-	-
1.00	Flat / Circular "HV"	Stainless steel / hard-coated	...-050-1156	...-050-1156	-	-	-
1.00	Flat / Circular "HV3"	Stainless steel	-	-	...-050-1477	...-050-1477	-
1.00	Flat / Circular "HV3"	Stainless steel / hard-coated	-	-	...-050-1554	...-050-1554	-
1.00	HV3-M	Stainless steel	-	-	-	-	...-050-2097
1.20	Flat / Circular "HV"	Stainless steel	...-050-0699	...-050-0699	-	-	-
1.20	Flat / Circular "HV"	Stainless steel / hard-coated	...-050-1157	...-050-1157	-	-	-
1.20	Flat / Circular "HV"	Tungsten carbide	...-050-0996	...-050-0996	-	-	-
1.20	Flat / Circular "HV3"	Stainless steel	-	-	...-050-1478	...-050-1478	-
1.20	Flat / Circular "HV3"	Stainless steel / hard-coated	-	-	...-050-1555	...-050-1555	-
1.20	Flat / Circular "HV3"	Tungsten carbide	-	-	...-050-1594	...-050-1594	-
1.20	HV3-M	Stainless steel	-	-	-	-	...-050-2098
1.50	Flat / Circular "HV"	Stainless steel	...-050-0700	...-050-0700	-	-	-
1.50	Flat / Circular "HV"	Stainless steel / hard-coated	...-050-1158	...-050-1158	-	-	-
1.50	Flat / Circular "HV"	Tungsten carbide	...-050-0997	...-050-0997	-	-	-
1.50	Flat / Circular "HV3"	Stainless steel	-	-	...-050-1479	...-050-1479	-
1.50	Flat / Circular "HV3"	Stainless steel / hard-coated	-	-	...-050-1556	...-050-1556	-
1.50	Flat / Circular "HV3"	Tungsten carbide	-	-	...-050-1595	...-050-1595	-
1.50	HV3-M	Stainless steel	-	-	-	-	...-050-2099
1.80	Flat / Circular "HV"	Stainless steel	...-050-0701	...-050-0701	-	-	-
1.80	Flat / Circular "HV"	Stainless steel / hard-coated	...-050-1159	...-050-1159	-	-	-
1.80	Flat / Circular "HV"	Tungsten carbide	...-050-0998	...-050-0998	-	-	-
1.80	Flat / Circular "HV3"	Stainless steel	-	-	...-050-1480	...-050-1480	-
1.80	Flat / Circular "HV3"	Stainless steel / hard-coated	-	-	...-050-1557	...-050-1557	-
1.80	Flat / Circular "HV3"	Tungsten carbide	-	-	...-050-1596	...-050-1596	-
2.00	Flat / Circular "HV"	Stainless steel	...-050-1006	...-050-1006	-	-	-
2.00	Flat / Circular "HV"	Stainless steel / hard-coated	...-050-1160	...-050-1160	-	-	-
2.00	Flat / Circular "HV"	Tungsten carbide	...-050-1168	...-050-1168	-	-	-
2.00	Flat / Circular "HV3"	Stainless steel	-	-	...-050-1481	...-050-1481	-
2.00	Flat / Circular "HV3"	Stainless steel / hard-coated	-	-	...-050-1558	...-050-1558	-

Subject to change

8 | 1.2.2.2.2 © Krautzberger GmbH / 11.2001

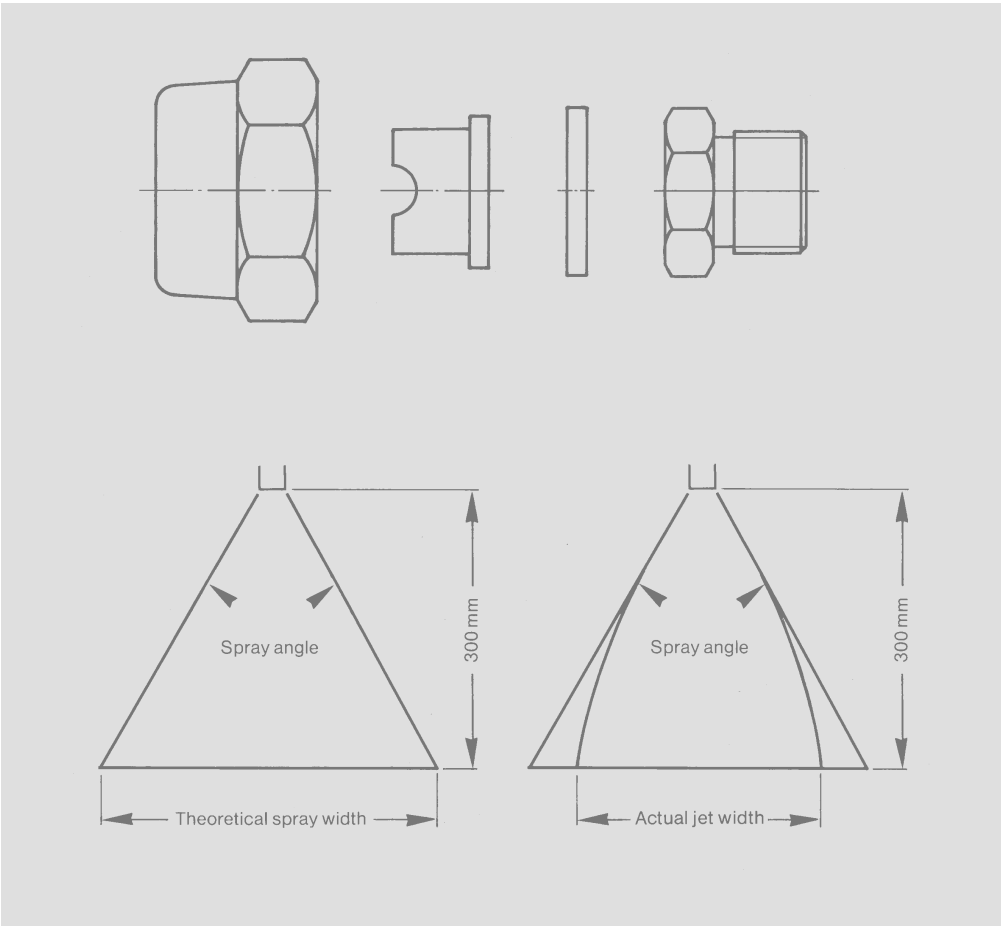


Airless nozzles

Airless nozzles have an elliptical shape. The column "equivalence diameters" lists dimensions for circular boreholes corresponding to the elliptical openings in terms of flow rate.

The throughput volumes listed in the chart – based on water in litres/min. at 100 bar – vary coating substances of different density and viscosity.

The effective spraying width is measured using water at 100 bar at a distance of 30 cm from the workpiece.

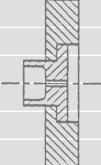


Example for ordering:

For Airless KS1, standard version: 0700-plus, art. no. from nozzle chart

0700 + ...- 050-0759 = 700- 050-0759

Spray gun type Order no. from nozzle selection chart Complete order no.

Pre-atomiser for airless nozzle		in inches	in mm	Type	Order no.
		0.005	0.13	HV 08	050-0906
		0.007	0.18	HV 08	050-0906
		0.009	0.23	HV 10	050-0907
		0.011	0.28	HV 12	050-0908
		0.013	0.33	HV 14	050-0909
		0.015	0.38	HV 16	050-0910
		0.016	0.41	HV 16	050-0910
		0.019	0.46	HV 19	050-0911
		0.020	0.51	HV 19	050-0911
		0.021	0.53	HV 22	050-0912
		0.024	0.61	HV 22	050-0912
		0.026	0.66	HV 27	050-0913
		0.029	0.74	HV 27	050-0913
		0.031	0.79	HV 27	050-0913
		0.036	0.91	HV 27	050-0913

Accessories

Nozzles

Airless atomisation

Airless nozzles

classified by
spraying width

Spray width in mm	Spray angle in °	Nozzle aperture (inches)	Nozzle aperture (mm)	Flow rate at 100 bar l/min	Article no.
75	10	0.007	0.18	0.18	...- 050-0759
75	10	0.009	0.23	0.25	...- 050-0767
75	10	0.011	0.28	0.37	...- 050-0775
75	10	0.013	0.33	0.57	...- 050-0784
75	10	0.015	0.38	0.72	...- 050-0794
75	10	0.016	0.41	0.91	...- 050-0804
75	10	0.017	0.43	0.91	...- 050-2485
75	10	0.018	0.46	1.10	...- 050-0815
75	10	0.019	0.48	1.30	...- 050-2496
75	10	0.021	0.53	1.52	...- 050-0833
125	20	0.007	0.18	0.18	...- 050-0760
125	20	0.009	0.23	0.25	...- 050-0768
125	20	0.011	0.28	0.37	...- 050-0776
125	20	0.013	0.33	0.57	...- 050-0785
150	20	0.015	0.38	0.72	...- 050-0795
150	20	0.016	0.41	0.91	...- 050-0805
150	20	0.017	0.43	0.91	...- 050-2486
150	20	0.018	0.46	1.10	...- 050-0816
150	20	0.019	0.48	1.30	...- 050-2497
150	20	0.021	0.53	1.52	...- 050-0834
150	20	0.023	0.58	1.83	...- 050-0843
150	20	0.025	0.63	2.13	...- 050-0854
150	20	0.027	0.68	2.50	...- 050-2502
150	20	0.029	0.73	2.95	...- 050-2512
150	20	0.031	0.78	3.42	...- 050-0871
150	20	0.033	0.84	3.80	...- 050-2517
150	20	0.035	0.89	4.30	...- 050-0881
175	30	0.007	0.18	0.18	...- 050-0761
175	30	0.009	0.23	1.25	...- 050-0769
175	30	0.011	0.28	0.37	...- 050-0777
175	30	0.013	0.33	0.57	...- 050-0786
175	30	0.016	0.41	0.91	...- 050-0806
200	30	0.015	0.38	0.72	...- 050-0796
200	30	0.017	0.43	0.91	...- 050-2487
200	30	0.018	0.46	1.10	...- 050-0817
200	30	0.019	0.48	1.30	...- 050-0824
200	30	0.021	0.53	1.52	...- 050-0835
200	30	0.023	0.58	1.83	...- 050-0844
200	30	0.025	0.63	2.13	...- 050-0855
200	30	0.027	0.68	2.50	...- 050-2503
200	30	0.029	0.73	2.95	...- 050-0862
200	30	0.031	0.78	3.42	...- 050-0872
200	30	0.037	0.94	5.10	...- 050-2523
200	30	0.039	0.99	5.50	...- 050-2529
200	30	0.041	1.04	6.15	...- 050-2535
200	30	0.043	1.09	6.80	...- 050-0891
225	40	0.007	0.18	0.18	...- 050-0763
225	40	0.009	0.23	0.25	...- 050-0770
225	40	0.011	0.28	0.37	...- 050-0778
225	40	0.013	0.33	0.57	...- 050-0787
250	40	0.015	0.38	0.72	...- 050-0797
250	40	0.016	0.41	0.91	...- 050-0807
250	40	0.017	0.43	0.91	...- 050-2488
250	40	0.018	0.46	1.10	...- 050-0818
250	40	0.019	0.48	1.30	...- 050-0825
250	40	0.021	0.53	1.52	...- 050-0836
250	40	0.023	0.58	1.83	...- 050-0845
250	40	0.025	0.63	2.13	...- 050-0856

Spray width in mm	Spray angle in °	Nozzle aperture (inches)	Nozzle aperture (mm)	Flow rate at 100 bar l/min	Article no.
250	40	0.027	0.68	2.50	...- 050-2504
250	40	0.029	0.73	2.95	...- 050-0863
250	40	0.031	0.78	3.42	...- 050-0873
250	40	0.033	0.84	3.80	...- 050-2518
250	40	0.035	0.89	4.30	...- 050-0883
250	40	0.045	1.14	7.40	...- 050-2541
250	40	0.047	1.19	7.94	...- 050-2547
250	40	0.049	1.24	8.50	...- 050-2551
250	40	0.051	1.29	9.10	...- 050-0900
250	40	0.053	1.35	9.80	...- 050-2561
250	40	0.055	1.40	11.00	...- 050-2567
250	40	0.057	1.45	11.80	...- 050-2573
250	40	0.059	1.50	12.50	...- 050-2579
250	40	0.061	1.55	13.70	...- 050-0902
275	50	0.007	0.18	0.18	...- 050-0764
275	50	0.009	0.23	0.25	...- 050-0771
275	50	0.011	0.28	0.37	...- 050-0779
275	50	0.013	0.33	0.57	...- 050-0788
300	50	0.015	0.38	0.72	...- 050-0798
300	50	0.016	0.41	0.91	...- 050-0808
300	50	0.017	0.43	0.91	...- 050-2489
300	50	0.018	0.46	1.10	...- 050-0819
300	50	0.019	0.48	1.30	...- 050-0826
300	50	0.021	0.53	1.52	...- 050-0837
300	50	0.023	0.58	1.83	...- 050-0846
300	50	0.025	0.63	2.13	...- 050-0857
300	50	0.027	0.68	2.50	...- 050-2505
300	50	0.029	0.73	2.95	...- 050-0864
300	50	0.031	0.78	3.42	...- 050-0874
300	50	0.037	0.94	5.10	...- 050-2524
300	50	0.039	0.99	5.50	...- 050-2530
300	50	0.041	1.04	6.15	...- 050-2536
300	50	0.043	1.09	6.80	...- 050-0893
325	60	0.009	0.23	0.25	...- 050-0772
325	60	0.011	0.28	0.37	...- 050-0780
325	60	0.013	0.33	0.57	...- 050-0789
350	60	0.015	0.38	0.72	...- 050-0799
350	60	0.016	0.41	0.91	...- 050-0809
350	60	0.017	0.43	0.91	...- 050-2490
350	60	0.018	0.46	1.10	...- 050-0820
350	60	0.019	0.48	1.30	...- 050-0827
350	60	0.021	0.53	1.52	...- 050-0838
350	60	0.023	0.58	1.83	...- 050-0847
350	60	0.025	0.63	2.13	...- 050-0858
350	60	0.027	0.68	2.50	...- 050-2506
350	60	0.029	0.73	2.95	...- 050-0865
350	60	0.031	0.78	3.42	...- 050-0875
350	60	0.033	0.84	3.80	...- 050-2519
350	60	0.035	0.89	4.30	...- 050-0885
350	60	0.045	1.14	7.40	...- 050-2542
350	60	0.047	1.19	7.94	...- 050-2548
350	60	0.049	1.24	8.50	...- 050-2552
350	60	0.051	1.29	9.10	...- 050-0901
350	60	0.053	1.35	9.80	...- 050-2562
350	60	0.055	1.40	11.00	...- 050-2568
350	60	0.057	1.45	11.80	...- 050-2574
350	60	0.059	1.50	12.50	...- 050-2580
350	60	0.061	1.55	13.70	...- 050-0903

classified by
spraying width

Spray width in mm	Spray angle in °	Nozzle aperture (inches)	Nozzle aperture (mm)	Flow rate at 100 bar l/min	Article no.
375	70	0.011	0.28	0.37	...- 050-0781
375	70	0.013	0.33	0.57	...- 050-2483
400	70	0.015	0.38	0.72	...- 050-2484
400	70	0.016	0.41	0.91	...- 050-0810
400	70	0.017	0.43	0.91	...- 050-2491
400	70	0.018	0.46	1.10	...- 050-2495
400	70	0.019	0.48	1.30	...- 050-0828
400	70	0.021	0.53	1.52	...- 050-2498
400	70	0.023	0.58	1.83	...- 050-0848
400	70	0.025	0.63	2.13	...- 050-2500
400	70	0.027	0.68	2.50	...- 050-2507
400	70	0.029	0.73	2.95	...- 050-0866
400	70	0.031	0.78	3.42	...- 050-2515
400	70	0.037	0.94	5.10	...- 050-2525
400	70	0.039	0.99	5.50	...- 050-2531
400	70	0.041	1.04	6.15	...- 050-2537
400	70	0.043	1.09	6.80	...- 050-0894
425	80	0.013	0.33	0.57	...- 050-0790
450	80	0.015	0.38	0.72	...- 050-0800
450	80	0.016	0.41	0.91	...- 050-0811
450	80	0.017	0.43	0.91	...- 050-2492
450	80	0.018	0.46	1.10	...- 050-0821
450	80	0.019	0.48	1.30	...- 050-0829
450	80	0.021	0.53	1.52	...- 050-0839
450	80	0.023	0.58	1.83	...- 050-0849
450	80	0.025	0.63	2.13	...- 050-0859
450	80	0.027	0.68	2.50	...- 050-2508
450	80	0.029	0.73	2.95	...- 050-0867
450	80	0.031	0.78	3.42	...- 050-0876
450	80	0.033	0.84	3.80	...- 050-2520
450	80	0.035	0.89	4.30	...- 050-0886
450	80	0.045	1.14	7.40	...- 050-2543
450	80	0.047	1.19	7.94	...- 050-0898
450	80	0.049	1.24	8.50	...- 050-2553
450	80	0.051	1.29	9.10	...- 050-2557
450	80	0.053	1.35	9.80	...- 050-2563
450	80	0.055	1.40	11.00	...- 050-2569
450	80	0.057	1.45	11.80	...- 050-2575
450	80	0.059	1.50	12.50	...- 050-2581
450	80	0.061	1.55	13.70	...- 050-2585
500	90	0.015	0.38	0.72	...- 050-0801
500	90	0.016	0.41	0.91	...- 050-0812
500	90	0.017	0.43	0.91	...- 050-2493
500	90	0.018	0.46	1.10	...- 050-0822
500	90	0.019	0.48	1.30	...- 050-0830
500	90	0.021	0.53	1.52	...- 050-0840
500	90	0.023	0.58	1.83	...- 050-0850
500	90	0.025	0.63	2.13	...- 050-0860
500	90	0.027	0.68	2.50	...- 050-2509
500	90	0.029	0.73	2.95	...- 050-0868
500	90	0.031	0.78	3.42	...- 050-0877
500	90	0.037	0.94	5.10	...- 050-2526
500	90	0.039	0.99	5.50	...- 050-2532
500	90	0.041	1.04	6.15	...- 050-0889
500	90	0.043	1.09	6.80	...- 050-0896
550	100	0.017	0.43	0.91	...- 050-2494
550	100	0.018	0.46	1.10	...- 050-0823
550	100	0.019	0.48	1.30	...- 050-0831

Spray width in mm	Spray angle in °	Nozzle aperture (inches)	Nozzle aperture (mm)	Flow rate at 100 bar l/min	Article no.
550	100	0.021	0.53	1.52	...- 050-0841
550	100	0.023	0.58	1.83	...- 050-2499
550	100	0.025	0.63	2.13	...- 050-2501
550	100	0.027	0.68	2.50	...- 050-2510
550	100	0.029	0.73	2.95	...- 050-2513
550	100	0.031	0.78	3.42	...- 050-2516
550	100	0.033	0.84	3.80	...- 050-2521
550	100	0.035	0.89	4.30	...- 050-0887
550	100	0.045	1.14	7.40	...- 050-2544
550	100	0.047	1.19	7.94	...- 050-0899
550	100	0.049	1.24	8.50	...- 050-2554
550	100	0.051	1.29	9.10	...- 050-2558
550	100	0.053	1.35	9.80	...- 050-2564
550	100	0.055	1.40	11.00	...- 050-2570
550	100	0.057	1.45	11.80	...- 050-2576
550	100	0.059	1.50	12.50	...- 050-2582
550	100	0.061	1.55	13.70	...- 050-2586
600	110	0.023	0.58	1.83	...- 050-0851
600	110	0.025	0.63	2.13	...- 050-0861
600	110	0.037	0.94	5.10	...- 050-2527
600	110	0.039	0.99	5.50	...- 050-2533
600	110	0.041	1.04	6.15	...- 050-2538
650	110	0.027	0.68	2.50	...- 050-2511
650	110	0.029	0.73	2.95	...- 050-2514
650	110	0.031	0.78	3.42	...- 050-0878
650	110	0.033	0.84	3.80	...- 050-2522
650	110	0.035	0.89	4.30	...- 050-0888
650	110	0.043	1.09	6.80	...- 050-0897
650	120	0.045	1.14	7.40	...- 050-2545
650	120	0.047	1.19	7.94	...- 050-2549
650	120	0.049	1.24	8.50	...- 050-2555
650	120	0.051	1.29	9.10	...- 050-2559
650	120	0.053	1.35	9.80	...- 050-2565
650	120	0.055	1.40	11.00	...- 050-2571
650	120	0.057	1.45	11.80	...- 050-2577
650	120	0.059	1.50	12.50	...- 050-2583
650	120	0.061	1.55	13.70	...- 050-2587
700	130	0.037	0.94	5.10	...- 050-2528
700	130	0.039	0.99	5.50	...- 050-2534
700	130	0.041	1.04	6.15	...- 050-2539
700	130	0.043	1.09	6.80	...- 050-2540
750	140	0.045	1.14	7.40	...- 050-2546
750	140	0.047	1.19	7.94	...- 050-2550
750	140	0.049	1.24	8.50	...- 050-2556
750	140	0.051	1.29	9.10	...- 050-2560
750	140	0.053	1.35	9.80	...- 050-2566
750	140	0.055	1.40	11.00	...- 050-2572
750	140	0.057	1.45	11.80	...- 050-2578
750	140	0.059	1.50	12.50	...- 050-2584
750	140	0.061	1.55	13.70	...- 050-2588

Accessories

Nozzles

Airless atomisation

Airless nozzles

classified by
nozzle opening

Nozzle aperture (inches)	Nozzle aperture (mm)	Spray width in mm	Spray angle in °	Flow rate at 100 bar l/min	Article no.
0.007	0.18	75	10	0.18	...- 050-0759
0.007	0.18	125	20	0.18	...- 050-0760
0.007	0.18	175	30	0.18	...- 050-0761
0.007	0.18	225	40	0.18	...- 050-0763
0.007	0.18	275	50	0.18	...- 050-0764
0.009	0.23	75	10	0.25	...- 050-0767
0.009	0.23	125	20	0.25	...- 050-0768
0.009	0.23	175	30	1.25	...- 050-0769
0.009	0.23	225	40	0.25	...- 050-0770
0.009	0.23	275	50	0.25	...- 050-0771
0.009	0.23	325	60	0.25	...- 050-0772
0.011	0.28	75	10	0.37	...- 050-0775
0.011	0.28	125	20	0.37	...- 050-0776
0.011	0.28	175	30	0.37	...- 050-0777
0.011	0.28	225	40	0.37	...- 050-0778
0.011	0.28	275	50	0.37	...- 050-0779
0.011	0.28	325	60	0.37	...- 050-0780
0.011	0.28	375	70	0.37	...- 050-0781
0.013	0.33	75	10	0.57	...- 050-0784
0.013	0.33	125	20	0.57	...- 050-0785
0.013	0.33	175	30	0.57	...- 050-0786
0.013	0.33	225	40	0.57	...- 050-0787
0.013	0.33	275	50	0.57	...- 050-0788
0.013	0.33	325	60	0.57	...- 050-0789
0.013	0.33	375	70	0.57	...- 050-2483
0.013	0.33	425	80	0.57	...- 050-0790
0.015	0.38	75	10	0.72	...- 050-0794
0.015	0.38	150	20	0.72	...- 050-0795
0.015	0.38	200	30	0.72	...- 050-0796
0.015	0.38	250	40	0.72	...- 050-0797
0.015	0.38	300	50	0.72	...- 050-0798
0.015	0.38	350	60	0.72	...- 050-0799
0.015	0.38	400	70	0.72	...- 050-2484
0.015	0.38	450	80	0.72	...- 050-0800
0.015	0.38	500	90	0.72	...- 050-0801
0.016	0.41	75	10	0.91	...- 050-0804
0.016	0.41	150	20	0.91	...- 050-0805
0.016	0.41	175	30	0.91	...- 050-0806
0.016	0.41	250	40	0.91	...- 050-0807
0.016	0.41	300	50	0.91	...- 050-0808
0.016	0.41	350	60	0.91	...- 050-0809
0.016	0.41	400	70	0.91	...- 050-0810
0.016	0.41	450	80	0.91	...- 050-0811
0.016	0.41	500	90	0.91	...- 050-0812
0.017	0.43	75	10	0.91	...- 050-2485
0.017	0.43	150	20	0.91	...- 050-2486
0.017	0.43	200	30	0.91	...- 050-2487
0.017	0.43	250	40	0.91	...- 050-2488
0.017	0.43	300	50	0.91	...- 050-2489
0.017	0.43	350	60	0.91	...- 050-2490
0.017	0.43	400	70	0.91	...- 050-2491
0.017	0.43	450	80	0.91	...- 050-2492
0.017	0.43	500	90	0.91	...- 050-2493
0.017	0.43	550	100	0.91	...- 050-2494
0.018	0.46	75	10	1.10	...- 050-0815
0.018	0.46	150	20	1.10	...- 050-0816
0.018	0.46	200	30	1.10	...- 050-0817
0.018	0.46	250	40	1.10	...- 050-0818

Nozzle aperture (inches)	Nozzle aperture (mm)	Spray width in mm	Spray angle in °	Flow rate at 100 bar l/min	Article no.
0.018	0.46	300	50	1.10	...- 050-0819
0.018	0.46	350	60	1.10	...- 050-0820
0.018	0.46	400	70	1.10	...- 050-2495
0.018	0.46	450	80	1.10	...- 050-0821
0.018	0.46	500	90	1.10	...- 050-0822
0.018	0.46	550	100	1.10	...- 050-0823
0.019	0.48	75	10	1.30	...- 050-2496
0.019	0.48	150	20	1.30	...- 050-2497
0.019	0.48	200	30	1.30	...- 050-0824
0.019	0.48	250	40	1.30	...- 050-0825
0.019	0.48	300	50	1.30	...- 050-0826
0.019	0.48	350	60	1.30	...- 050-0827
0.019	0.48	400	70	1.30	...- 050-0828
0.019	0.48	450	80	1.30	...- 050-0829
0.019	0.48	500	90	1.30	...- 050-0830
0.019	0.48	550	100	1.30	...- 050-0831
0.021	0.53	75	10	1.52	...- 050-0833
0.021	0.53	150	20	1.52	...- 050-0834
0.021	0.53	200	30	1.52	...- 050-0835
0.021	0.53	250	40	1.52	...- 050-0836
0.021	0.53	300	50	1.52	...- 050-0837
0.021	0.53	350	60	1.52	...- 050-0838
0.021	0.53	400	70	1.52	...- 050-2498
0.021	0.53	450	80	1.52	...- 050-0839
0.021	0.53	500	90	1.52	...- 050-0840
0.021	0.53	550	100	1.52	...- 050-0841
0.023	0.58	150	20	1.83	...- 050-0843
0.023	0.58	200	30	1.83	...- 050-0844
0.023	0.58	250	40	1.83	...- 050-0845
0.023	0.58	300	50	1.83	...- 050-0846
0.023	0.58	350	60	1.83	...- 050-0847
0.023	0.58	400	70	1.83	...- 050-0848
0.023	0.58	450	80	1.83	...- 050-0849
0.023	0.58	500	90	1.83	...- 050-0850
0.023	0.58	550	100	1.83	...- 050-2499
0.023	0.58	600	110	1.83	...- 050-0851
0.025	0.63	150	20	2.13	...- 050-0854
0.025	0.63	200	30	2.13	...- 050-0855
0.025	0.63	250	40	2.13	...- 050-0856
0.025	0.63	300	50	2.13	...- 050-0857
0.025	0.63	350	60	2.13	...- 050-0858
0.025	0.63	400	70	2.13	...- 050-2500
0.025	0.63	450	80	2.13	...- 050-0859
0.025	0.63	500	90	2.13	...- 050-0860
0.025	0.63	550	100	2.13	...- 050-2501
0.025	0.63	600	110	2.13	...- 050-0861
0.027	0.68	150	20	2.50	...- 050-2502
0.027	0.68	200	30	2.50	...- 050-2503
0.027	0.68	250	40	2.50	...- 050-2504
0.027	0.68	300	50	2.50	...- 050-2505
0.027	0.68	350	60	2.50	...- 050-2506
0.027	0.68	400	70	2.50	...- 050-2507
0.027	0.68	450	80	2.50	...- 050-2508
0.027	0.68	500	90	2.50	...- 050-2509
0.027	0.68	550	100	2.50	...- 050-2510
0.027	0.68	650	110	2.50	...- 050-2511
0.029	0.73	150	20	2.95	...- 050-2512
0.029	0.73	200	30	2.95	...- 050-0862

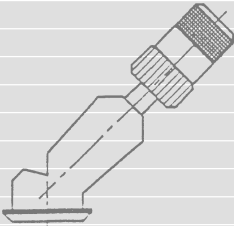
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nozzle opening

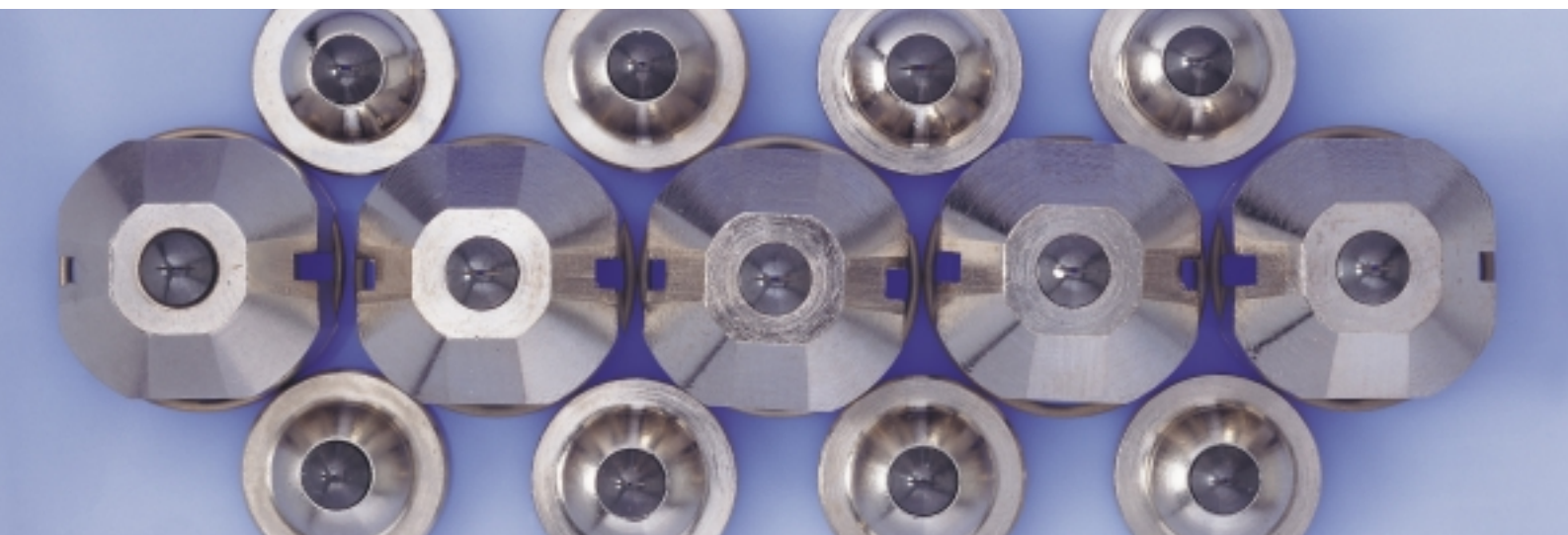
Nozzle aperture (inches)	Nozzle aperture (mm)	Spray width in mm	Spray angle in °	Flow rate at 100 bar l/min	Article no.
0,029	0,73	250	40	2,95	...- 050-0863
0,029	0,73	300	50	2,95	...- 050-0864
0,029	0,73	350	60	2,95	...- 050-0865
0,029	0,73	400	70	2,95	...- 050-0866
0,029	0,73	450	80	2,95	...- 050-0867
0,029	0,73	500	90	2,95	...- 050-0868
0,029	0,73	550	100	2,95	...- 050-2513
0,029	0,73	650	110	2,95	...- 050-2514
0,031	0,78	150	20	3,42	...- 050-0871
0,031	0,78	200	30	3,42	...- 050-0872
0,031	0,78	250	40	3,42	...- 050-0873
0,031	0,78	300	50	3,42	...- 050-0874
0,031	0,78	350	60	3,42	...- 050-0875
0,031	0,78	400	70	3,42	...- 050-2515
0,031	0,78	450	80	3,42	...- 050-0876
0,031	0,78	500	90	3,42	...- 050-0877
0,031	0,78	550	100	3,42	...- 050-2516
0,031	0,78	650	110	3,42	...- 050-0878
0,033	0,84	150	20	3,80	...- 050-2517
0,033	0,84	250	40	3,80	...- 050-2518
0,033	0,84	350	60	3,80	...- 050-2519
0,033	0,84	450	80	3,80	...- 050-2520
0,033	0,84	550	100	3,80	...- 050-2521
0,033	0,84	650	110	3,80	...- 050-2522
0,035	0,89	150	20	4,30	...- 050-0881
0,035	0,89	250	40	4,30	...- 050-0883
0,035	0,89	350	60	4,30	...- 050-0885
0,035	0,89	450	80	4,30	...- 050-0886
0,035	0,89	550	100	4,30	...- 050-0887
0,035	0,89	650	110	4,30	...- 050-0888
0,037	0,94	200	30	5,10	...- 050-2523
0,037	0,94	300	50	5,10	...- 050-2524
0,037	0,94	400	70	5,10	...- 050-2525
0,037	0,94	500	90	5,10	...- 050-2526
0,037	0,94	600	110	5,10	...- 050-2527
0,037	0,94	700	130	5,10	...- 050-2528
0,039	0,99	200	30	5,50	...- 050-2529
0,039	0,99	300	50	5,50	...- 050-2530
0,039	0,99	400	70	5,50	...- 050-2531
0,039	0,99	500	90	5,50	...- 050-2532
0,039	0,99	600	110	5,50	...- 050-2533
0,039	0,99	700	130	5,50	...- 050-2534
0,041	1,04	200	30	6,15	...- 050-2535
0,041	1,04	300	50	6,15	...- 050-2536
0,041	1,04	400	70	6,15	...- 050-2537
0,041	1,04	500	90	6,15	...- 050-0889
0,041	1,04	600	110	6,15	...- 050-2538
0,041	1,04	700	130	6,15	...- 050-2539
0,043	1,09	200	30	6,80	...- 050-0891
0,043	1,09	300	50	6,80	...- 050-0893
0,043	1,09	400	70	6,80	...- 050-0894
0,043	1,09	500	90	6,80	...- 050-0896
0,043	1,09	650	110	6,80	...- 050-0897
0,043	1,09	700	130	6,80	...- 050-2540
0,045	1,14	250	40	7,40	...- 050-2541
0,045	1,14	350	60	7,40	...- 050-2542
0,045	1,14	450	80	7,40	...- 050-2543
0,045	1,14	550	100	7,40	...- 050-2544

Nozzle aperture (inches)	Nozzle aperture (mm)	Spray width in mm	Spray angle in °	Flow rate at 100 bar l/min	Article no.
0,045	1,14	650	120	7,40	...- 050-2545
0,045	1,14	750	140	7,40	...- 050-2546
0,047	1,19	250	40	7,94	...- 050-2547
0,047	1,19	350	60	7,94	...- 050-2548
0,047	1,19	450	80	7,94	...- 050-0898
0,047	1,19	550	100	7,94	...- 050-0899
0,047	1,19	650	120	7,94	...- 050-2549
0,047	1,19	750	140	7,94	...- 050-2550
0,049	1,24	250	40	8,50	...- 050-2551
0,049	1,24	350	60	8,50	...- 050-2552
0,049	1,24	450	80	8,50	...- 050-2553
0,049	1,24	550	100	8,50	...- 050-2554
0,049	1,24	650	120	8,50	...- 050-2555
0,049	1,24	750	140	8,50	...- 050-2556
0,051	1,29	250	40	9,10	...- 050-0900
0,051	1,29	350	60	9,10	...- 050-0901
0,051	1,29	450	80	9,10	...- 050-2557
0,051	1,29	550	100	9,10	...- 050-2558
0,051	1,29	650	120	9,10	...- 050-2559
0,051	1,29	750	140	9,10	...- 050-2560
0,053	1,35	250	40	9,80	...- 050-2561
0,053	1,35	350	60	9,80	...- 050-2562
0,053	1,35	450	80	9,80	...- 050-2563
0,053	1,35	550	100	9,80	...- 050-2564
0,053	1,35	650	120	9,80	...- 050-2565
0,053	1,35	750	140	9,80	...- 050-2566
0,055	1,40	250	40	11,00	...- 050-2567
0,055	1,40	350	60	11,00	...- 050-2568
0,055	1,40	450	80	11,00	...- 050-2569
0,055	1,40	550	100	11,00	...- 050-2570
0,055	1,40	650	120	11,00	...- 050-2571
0,055	1,40	750	140	11,00	...- 050-2572
0,057	1,45	250	40	11,80	...- 050-2573
0,057	1,45	350	60	11,80	...- 050-2574
0,057	1,45	450	80	11,80	...- 050-2575
0,057	1,45	550	100	11,80	...- 050-2576
0,057	1,45	650	120	11,80	...- 050-2577
0,057	1,45	750	140	11,80	...- 050-2578
0,059	1,50	250	40	12,50	...- 050-2579
0,059	1,50	350	60	12,50	...- 050-2580
0,059	1,50	450	80	12,50	...- 050-2581
0,059	1,50	550	100	12,50	...- 050-2582
0,059	1,50	650	120	12,50	...- 050-2583
0,059	1,50	750	140	12,50	...- 050-2584
0,061	1,55	250	40	13,70	...- 050-0902
0,061	1,55	350	60	13,70	...- 050-0903
0,061	1,55	450	80	13,70	...- 050-2585
0,061	1,55	550	100	13,70	...- 050-2586
0,061	1,55	650	120	13,70	...- 050-2587
0,061	1,55	750	140	13,70	...- 050-2588

[illegible]

[illegible]

<div>Adjustable airless nozzles</div> 	For nozzles with			
	nozzle opening	Spraying width	Size	Order no.
	in mm	in mm		
	0.13 - 0.46	50 - 350	15	050-1288
	0.18 - 0.48	150 - 500	20	050-1285
	0.28 - 0.66	150 - 550	28	050-1286
	0.43 - 0.88	150 - 600	41	050-1287
	0.53 - 1.37	150 - 400	49	050-0917

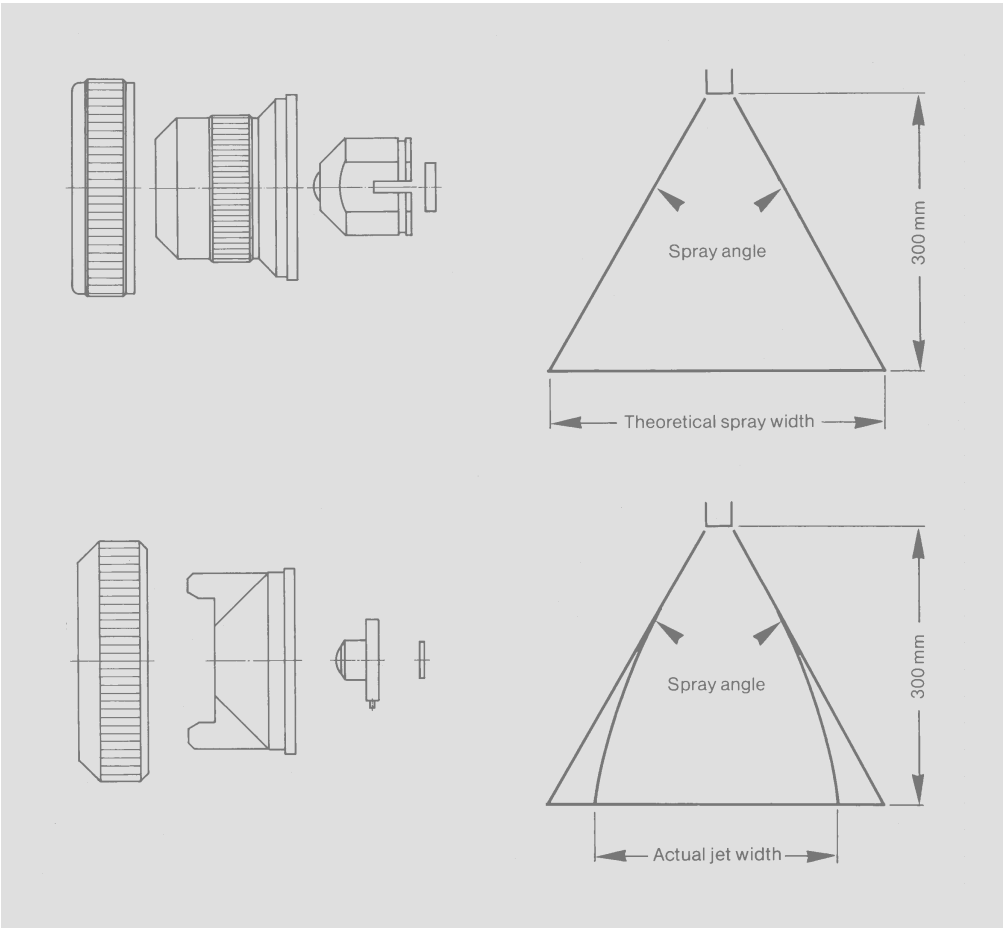


Duo nozzles

Duo nozzles have an elliptical shape. The column "equivalence diameters" lists dimensions for circular boreholes corresponding to the elliptical openings in terms of flow rate.

The throughput volumes listed in the chart – based on water in litres/min. at 100 bar – vary coating substances of different density and viscosity.

The effective spraying width is measured using water at 100 bar at a distance of 30 cm from the workpiece without the addition of spraying air.

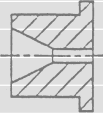


Example for ordering:

For Duo H, horn air: 3200-plus, art. no. from nozzle chart

3200 + ...- 050-1927 = 3200-050-1927

Spray gun type Order no. from nozzle selection chart Complete order no.

Pre-atomiser for "Duo" nozzles		Fits all "Duo" material nozzles	Order no. 050-1295

Accessories

Nozzles

Duo atomisation

Duo-nozzles

Slot air

classified by
spraying width

Spray width in mm	Spray angle in °	Nozzle aperture (inches)	Nozzle aperture (mm)	Flow rate at 100 bar l/min	Article no.
75	10	0.007	0.18	0.18	...- 050-1888
75	10	0.009	0.23	0.25	...- 050-1892
75	10	0.011	0.28	0.37	...- 050-1897
75	10	0.013	0.33	0.57	...- 050-1903
75	10	0.015	0.38	0.72	...- 050-1910
75	10	0.016	0.41	0.91	...- 050-1917
75	10	0.017	0.43	0.91	...- 050-2364
75	10	0.018	0.46	1.10	...- 050-2374
75	10	0.019	0.48	1.30	...- 050-2375
75	10	0.021	0.53	1.52	...- 050-2378
125	20	0.007	0.18	0.18	...- 050-1889
125	20	0.009	0.23	0.25	...- 050-1893
125	20	0.011	0.28	0.37	...- 050-1898
125	20	0.013	0.33	0.57	...- 050-1904
125	20	0.015	0.38	0.72	...- 050-1911
150	20	0.016	0.41	0.91	...- 050-1918
150	20	0.017	0.43	0.91	...- 050-2365
150	20	0.018	0.46	1.10	...- 050-1925
150	20	0.019	0.48	1.30	...- 050-1931
150	20	0.021	0.53	1.52	...- 050-1938
150	20	0.023	0.58	1.83	...- 050-1944
150	20	0.025	0.63	2.13	...- 050-1951
150	20	0.027	0.68	2.50	...- 050-2389
150	20	0.029	0.73	2.95	...- 050-1957
150	20	0.031	0.78	3.42	...- 050-2402
150	20	0.033	0.84	3.80	...- 050-2407
150	20	0.035	0.89	4.30	...- 050-2413
175	30	0.007	0.18	0.18	...- 050-1890
175	30	0.009	0.23	1.25	...- 050-2358
175	30	0.011	0.28	0.37	...- 050-2359
175	30	0.013	0.33	0.57	...- 050-2360
175	30	0.016	0.41	0.91	...- 050-2363
200	30	0.015	0.38	0.72	...- 050-1912
200	30	0.017	0.43	0.91	...- 050-2366
200	30	0.018	0.46	1.10	...- 050-1926
200	30	0.019	0.48	1.30	...- 050-1932
200	30	0.021	0.53	1.52	...- 050-1939
200	30	0.023	0.58	1.83	...- 050-1945
200	30	0.025	0.63	2.13	...- 050-1952
200	30	0.027	0.68	2.50	...- 050-2390
200	30	0.029	0.73	2.95	...- 050-1958
200	30	0.031	0.78	3.42	...- 050-1964
200	30	0.037	0.94	5.10	...- 050-2415
200	30	0.039	0.99	5.50	...- 050-2421
200	30	0.041	1.04	6.15	...- 050-2427
200	30	0.043	1.09	6.80	...- 050-1976
225	40	0.007	0.18	0.18	...- 050-1891
225	40	0.009	0.23	0.25	...- 050-1894
225	40	0.011	0.28	0.37	...- 050-1899
225	40	0.013	0.33	0.57	...- 050-1905
250	40	0.015	0.38	0.72	...- 050-1913
250	40	0.016	0.41	0.91	...- 050-1919
250	40	0.017	0.43	0.91	...- 050-2367
250	40	0.018	0.46	1.10	...- 050-1927
250	40	0.019	0.48	1.30	...- 050-1933
250	40	0.021	0.53	1.52	...- 050-1940
250	40	0.023	0.58	1.83	...- 050-1946
250	40	0.025	0.63	2.13	...- 050-1953

Spray width in mm	Spray angle in °	Nozzle aperture (inches)	Nozzle aperture (mm)	Flow rate at 100 bar l/min	Article no.
250	40	0.027	0.68	2.50	...- 050-2391
250	40	0.029	0.73	2.95	...- 050-1959
250	40	0.031	0.78	3.42	...- 050-1965
250	40	0.033	0.84	3.80	...- 050-2408
250	40	0.035	0.89	4.30	...- 050-1970
250	40	0.045	1.14	7.40	...- 050-2434
250	40	0.047	1.19	7.94	...- 050-2440
250	40	0.049	1.24	8.50	...- 050-2445
250	40	0.051	1.29	9.10	...- 050-1983
250	40	0.053	1.35	9.80	...- 050-2455
250	40	0.055	1.40	11.00	...- 050-2461
250	40	0.057	1.45	11.80	...- 050-2467
250	40	0.059	1.50	12.50	...- 050-2473
250	40	0.061	1.55	13.70	...- 050-1985
275	50	0.007	0.18	0.18	...- 050-2357
275	50	0.009	0.23	0.25	...- 050-1895
275	50	0.011	0.28	0.37	...- 050-1900
275	50	0.013	0.33	0.57	...- 050-1906
300	50	0.015	0.38	0.72	...- 050-2361
300	50	0.016	0.41	0.91	...- 050-1920
300	50	0.017	0.43	0.91	...- 050-2368
300	50	0.018	0.46	1.10	...- 050-2086
300	50	0.019	0.48	1.30	...- 050-1934
300	50	0.021	0.53	1.52	...- 050-2379
300	50	0.023	0.58	1.83	...- 050-2382
300	50	0.025	0.63	2.13	...- 050-2385
300	50	0.027	0.68	2.50	...- 050-2392
300	50	0.029	0.73	2.95	...- 050-2399
300	50	0.031	0.78	3.42	...- 050-2403
300	50	0.037	0.94	5.10	...- 050-2416
300	50	0.039	0.99	5.50	...- 050-2422
300	50	0.041	1.04	6.15	...- 050-2428
300	50	0.043	1.09	6.80	...- 050-1977
325	60	0.009	0.23	0.25	...- 050-1896
325	60	0.011	0.28	0.37	...- 050-1901
325	60	0.013	0.33	0.57	...- 050-1907
350	60	0.015	0.38	0.72	...- 050-1914
350	60	0.016	0.41	0.91	...- 050-1921
350	60	0.017	0.43	0.91	...- 050-2369
350	60	0.018	0.46	1.10	...- 050-1928
350	60	0.019	0.48	1.30	...- 050-1935
350	60	0.021	0.53	1.52	...- 050-1941
350	60	0.023	0.58	1.83	...- 050-1947
350	60	0.025	0.63	2.13	...- 050-1954
350	60	0.027	0.68	2.50	...- 050-2393
350	60	0.029	0.73	2.95	...- 050-1960
350	60	0.031	0.78	3.42	...- 050-1966
350	60	0.033	0.84	3.80	...- 050-2409
350	60	0.035	0.89	4.30	...- 050-1971
350	60	0.045	1.14	7.40	...- 050-2435
350	60	0.047	1.19	7.94	...- 050-2441
350	60	0.049	1.24	8.50	...- 050-2446
350	60	0.051	1.29	9.10	...- 050-1984
350	60	0.053	1.35	9.80	...- 050-2456
350	60	0.055	1.40	11.00	...- 050-2462
350	60	0.057	1.45	11.80	...- 050-2468
350	60	0.059	1.50	12.50	...- 050-2474
350	60	0.061	1.55	13.70	...- 050-1986

classified by
spraying width

Spray width	Spray angle	Nozzle aperture	Nozzle aperture	Flow rate	Article no.
in mm	in °	(inches)	(mm)	at 100 bar l/min	
375	70	0.011	0.28	0.37	...- 050-1902
375	70	0.013	0.33	0.57	...- 050-1908
400	70	0.015	0.38	0.72	...- 050-2362
400	70	0.016	0.41	0.91	...- 050-1922
400	70	0.017	0.43	0.91	...- 050-2370
400	70	0.018	0.46	1.10	...- 050-2087
400	70	0.019	0.48	1.30	...- 050-2376
400	70	0.021	0.53	1.52	...- 050-2380
400	70	0.023	0.58	1.83	...- 050-1948
400	70	0.025	0.63	2.13	...- 050-2386
400	70	0.027	0.68	2.50	...- 050-2394
400	70	0.029	0.73	2.95	...- 050-1961
400	70	0.031	0.78	3.42	...- 050-2404
400	70	0.037	0.94	5.10	...- 050-2417
400	70	0.039	0.99	5.50	...- 050-2423
400	70	0.041	1.04	6.15	...- 050-2429
400	70	0.043	1.09	6.80	...- 050-1979
425	80	0.013	0.33	0.57	...- 050-1909
450	80	0.015	0.38	0.72	...- 050-1915
450	80	0.016	0.41	0.91	...- 050-1923
450	80	0.017	0.43	0.91	...- 050-2371
450	80	0.018	0.46	1.10	...- 050-1929
450	80	0.019	0.48	1.30	...- 050-1936
450	80	0.021	0.53	1.52	...- 050-1942
450	80	0.023	0.58	1.83	...- 050-1949
450	80	0.025	0.63	2.13	...- 050-1955
450	80	0.027	0.68	2.50	...- 050-2395
450	80	0.029	0.73	2.95	...- 050-1962
450	80	0.031	0.78	3.42	...- 050-1967
450	80	0.033	0.84	3.80	...- 050-2410
450	80	0.035	0.89	4.30	...- 050-1972
450	80	0.045	1.14	7.40	...- 050-2436
450	80	0.047	1.19	7.94	...- 050-1981
450	80	0.049	1.24	8.50	...- 050-2447
450	80	0.051	1.29	9.10	...- 050-2451
450	80	0.053	1.35	9.80	...- 050-2457
450	80	0.055	1.40	11.00	...- 050-2463
450	80	0.057	1.45	11.80	...- 050-2469
450	80	0.059	1.50	12.50	...- 050-2475
450	80	0.061	1.55	13.70	...- 050-2479
500	90	0.015	0.38	0.72	...- 050-1916
500	90	0.016	0.41	0.91	...- 050-1924
500	90	0.017	0.43	0.91	...- 050-2372
500	90	0.018	0.46	1.10	...- 050-1930
500	90	0.019	0.48	1.30	...- 050-1937
500	90	0.021	0.53	1.52	...- 050-1943
500	90	0.023	0.58	1.83	...- 050-1950
500	90	0.025	0.63	2.13	...- 050-1956
500	90	0.027	0.68	2.50	...- 050-2396
500	90	0.029	0.73	2.95	...- 050-1963
500	90	0.031	0.78	3.42	...- 050-0968
500	90	0.037	0.94	5.10	...- 050-2418
500	90	0.039	0.99	5.50	...- 050-2424
500	90	0.041	1.04	6.15	...- 050-1975
500	90	0.043	1.09	6.80	...- 050-1980
550	100	0.017	0.43	0.91	...- 050-2373
550	100	0.018	0.46	1.10	...- 050-2088
550	100	0.019	0.48	1.30	...- 050-2377

Spray width	Spray angle	Nozzle aperture	Nozzle aperture	Flow rate	Article no.
in mm	in °	(inches)	(mm)	at 100 bar l/min	
550	100	0.021	0.53	1.52	...- 050-2381
550	100	0.023	0.58	1.83	...- 050-2383
550	100	0.025	0.63	2.13	...- 050-2387
550	100	0.027	0.68	2.50	...- 050-2397
550	100	0.029	0.73	2.95	...- 050-2400
550	100	0.031	0.78	3.42	...- 050-2405
550	100	0.033	0.84	3.80	...- 050-2411
550	100	0.035	0.89	4.30	...- 050-1974
550	100	0.045	1.14	7.40	...- 050-2437
550	100	0.047	1.19	7.94	...- 050-2442
550	100	0.049	1.24	8.50	...- 050-2448
550	100	0.051	1.29	9.10	...- 050-2452
550	100	0.053	1.35	9.80	...- 050-2458
550	100	0.055	1.40	11.00	...- 050-2464
550	100	0.057	1.45	11.80	...- 050-2470
550	100	0.059	1.50	12.50	...- 050-2476
550	100	0.061	1.55	13.70	...- 050-2480
600	110	0.023	0.58	1.83	...- 050-2384
600	110	0.025	0.63	2.13	...- 050-2388
600	110	0.037	0.94	5.10	...- 050-2419
600	110	0.039	0.99	5.50	...- 050-2425
600	110	0.041	1.04	6.15	...- 050-2430
650	110	0.027	0.68	2.50	...- 050-2398
650	110	0.029	0.73	2.95	...- 050-2401
650	110	0.031	0.78	3.42	...- 050-2406
650	110	0.033	0.84	3.80	...- 050-2412
650	110	0.035	0.89	4.30	...- 050-2414
650	110	0.043	1.09	6.80	...- 050-2432
650	120	0.045	1.14	7.40	...- 050-2438
650	120	0.047	1.19	7.94	...- 050-2443
650	120	0.049	1.24	8.50	...- 050-2449
650	120	0.051	1.29	9.10	...- 050-2453
650	120	0.053	1.35	9.80	...- 050-2459
650	120	0.055	1.40	11.00	...- 050-2465
650	120	0.057	1.45	11.80	...- 050-2471
650	120	0.059	1.50	12.50	...- 050-2477
650	120	0.061	1.55	13.70	...- 050-2481
700	130	0.037	0.94	5.10	...- 050-2420
700	130	0.039	0.99	5.50	...- 050-2426
700	130	0.041	1.04	6.15	...- 050-2431
700	130	0.043	1.09	6.80	...- 050-2433
750	140	0.045	1.14	7.40	...- 050-2439
750	140	0.047	1.19	7.94	...- 050-2444
750	140	0.049	1.24	8.50	...- 050-2450
750	140	0.051	1.29	9.10	...- 050-2454
750	140	0.053	1.35	9.80	...- 050-2460
750	140	0.055	1.40	11.00	...- 050-2466
750	140	0.057	1.45	11.80	...- 050-2472
750	140	0.059	1.50	12.50	...- 050-2478
750	140	0.061	1.55	13.70	...- 050-2482

Accessories

Nozzles

Duo atomisation

Duo-nozzles

Slot air

classified by
nozzle opening

Nozzle aperture (inches)	Nozzle aperture (mm)	Spray width in mm	Spray angle in °	Flow rate at 100 bar l/min	Article no.
0.007	0.18	75	10	0.18	...- 050-1888
0.007	0.18	125	20	0.18	...- 050-1889
0.007	0.18	175	30	0.18	...- 050-1890
0.007	0.18	225	40	0.18	...- 050-1891
0.007	0.18	275	50	0.18	...- 050-2357
0.009	0.23	75	10	0.25	...- 050-1892
0.009	0.23	125	20	0.25	...- 050-1893
0.009	0.23	175	30	1.25	...- 050-2358
0.009	0.23	225	40	0.25	...- 050-1894
0.009	0.23	275	50	0.25	...- 050-1895
0.009	0.23	325	60	0.25	...- 050-1896
0.011	0.28	75	10	0.37	...- 050-1897
0.011	0.28	125	20	0.37	...- 050-1898
0.011	0.28	175	30	0.37	...- 050-2359
0.011	0.28	225	40	0.37	...- 050-1899
0.011	0.28	275	50	0.37	...- 050-1900
0.011	0.28	325	60	0.37	...- 050-1901
0.011	0.28	375	70	0.37	...- 050-1902
0.013	0.33	75	10	0.57	...- 050-1903
0.013	0.33	125	20	0.57	...- 050-1904
0.013	0.33	175	30	0.57	...- 050-2360
0.013	0.33	225	40	0.57	...- 050-1905
0.013	0.33	275	50	0.57	...- 050-1906
0.013	0.33	325	60	0.57	...- 050-1907
0.013	0.33	375	70	0.57	...- 050-1908
0.013	0.33	425	80	0.57	...- 050-1909
0.015	0.38	75	10	0.72	...- 050-1910
0.015	0.38	125	20	0.72	...- 050-1911
0.015	0.38	200	30	0.72	...- 050-1912
0.015	0.38	250	40	0.72	...- 050-1913
0.015	0.38	300	50	0.72	...- 050-2361
0.015	0.38	350	60	0.72	...- 050-1914
0.015	0.38	400	70	0.72	...- 050-2362
0.015	0.38	450	80	0.72	...- 050-1915
0.015	0.38	500	90	0.72	...- 050-1916
0.016	0.41	75	10	0.91	...- 050-1917
0.016	0.41	150	20	0.91	...- 050-1918
0.016	0.41	175	30	0.91	...- 050-2363
0.016	0.41	250	40	0.91	...- 050-1919
0.016	0.41	300	50	0.91	...- 050-1920
0.016	0.41	350	60	0.91	...- 050-1921
0.016	0.41	400	70	0.91	...- 050-1922
0.016	0.41	450	80	0.91	...- 050-1923
0.016	0.41	500	90	0.91	...- 050-1924
0.017	0.43	75	10	0.91	...- 050-2364
0.017	0.43	150	20	0.91	...- 050-2365
0.017	0.43	200	30	0.91	...- 050-2366
0.017	0.43	250	40	0.91	...- 050-2367
0.017	0.43	300	50	0.91	...- 050-2368
0.017	0.43	350	60	0.91	...- 050-2369
0.017	0.43	400	70	0.91	...- 050-2370
0.017	0.43	450	80	0.91	...- 050-2371
0.017	0.43	500	90	0.91	...- 050-2372
0.017	0.43	550	100	0.91	...- 050-2373
0.018	0.46	75	10	1.10	...- 050-2374
0.018	0.46	150	20	1.10	...- 050-1925
0.018	0.46	200	30	1.10	...- 050-1926
0.018	0.46	250	40	1.10	...- 050-1927

Nozzle aperture (inches)	Nozzle aperture (mm)	Spray width in mm	Spray angle in °	Flow rate at 100 bar l/min	Article no.
0.018	0.46	300	50	1.10	...- 050-2086
0.018	0.46	350	60	1.10	...- 050-1928
0.018	0.46	400	70	1.10	...- 050-2087
0.018	0.46	450	80	1.10	...- 050-1929
0.018	0.46	500	90	1.10	...- 050-1930
0.018	0.46	550	100	1.10	...- 050-2088
0.019	0.48	75	10	1.30	...- 050-2375
0.019	0.48	150	20	1.30	...- 050-1931
0.019	0.48	200	30	1.30	...- 050-1932
0.019	0.48	250	40	1.30	...- 050-1933
0.019	0.48	300	50	1.30	...- 050-1934
0.019	0.48	350	60	1.30	...- 050-1935
0.019	0.48	400	70	1.30	...- 050-2376
0.019	0.48	450	80	1.30	...- 050-1936
0.019	0.48	500	90	1.30	...- 050-1937
0.019	0.48	550	100	1.30	...- 050-2377
0.021	0.53	75	10	1.52	...- 050-2378
0.021	0.53	150	20	1.52	...- 050-1938
0.021	0.53	200	30	1.52	...- 050-1939
0.021	0.53	250	40	1.52	...- 050-1940
0.021	0.53	300	50	1.52	...- 050-2379
0.021	0.53	350	60	1.52	...- 050-1941
0.021	0.53	400	70	1.52	...- 050-2380
0.021	0.53	450	80	1.52	...- 050-1942
0.021	0.53	500	90	1.52	...- 050-1943
0.021	0.53	550	100	1.52	...- 050-2381
0.023	0.58	150	20	1.83	...- 050-1944
0.023	0.58	200	30	1.83	...- 050-1945
0.023	0.58	250	40	1.83	...- 050-1946
0.023	0.58	300	50	1.83	...- 050-2382
0.023	0.58	350	60	1.83	...- 050-1947
0.023	0.58	400	70	1.83	...- 050-1948
0.023	0.58	450	80	1.83	...- 050-1949
0.023	0.58	500	90	1.83	...- 050-1950
0.023	0.58	550	100	1.83	...- 050-2383
0.023	0.58	600	110	1.83	...- 050-2384
0.025	0.63	150	20	2.13	...- 050-1951
0.025	0.63	200	30	2.13	...- 050-1952
0.025	0.63	250	40	2.13	...- 050-1953
0.025	0.63	300	50	2.13	...- 050-2385
0.025	0.63	350	60	2.13	...- 050-1954
0.025	0.63	400	70	2.13	...- 050-2386
0.025	0.63	450	80	2.13	...- 050-1955
0.025	0.63	500	90	2.13	...- 050-1956
0.025	0.63	550	100	2.13	...- 050-2387
0.025	0.63	600	110	2.13	...- 050-2388
0.027	0.68	150	20	2.50	...- 050-2389
0.027	0.68	200	30	2.50	...- 050-2390
0.027	0.68	250	40	2.50	...- 050-2391
0.027	0.68	300	50	2.50	...- 050-2392
0.027	0.68	350	60	2.50	...- 050-2393
0.027	0.68	400	70	2.50	...- 050-2394
0.027	0.68	450	80	2.50	...- 050-2395
0.027	0.68	500	90	2.50	...- 050-2396
0.027	0.68	550	100	2.50	...- 050-2397
0.027	0.68	650	110	2.50	...- 050-2398
0.029	0.73	150	20	2.95	...- 050-1957
0.029	0.73	200	30	2.95	...- 050-1958

classified by
nozzle opening

Nozzle aperture (inches)	Nozzle aperture (mm)	Spray width in mm	Spray angle in °	Flow rate at 100 bar l/min	Article no.
0.029	0.73	250	40	2.95	...- 050-1959
0.029	0.73	300	50	2.95	...- 050-2399
0.029	0.73	350	60	2.95	...- 050-1960
0.029	0.73	400	70	2.95	...- 050-1961
0.029	0.73	450	80	2.95	...- 050-1962
0.029	0.73	500	90	2.95	...- 050-1963
0.029	0.73	550	100	2.95	...- 050-2400
0.029	0.73	650	110	2.95	...- 050-2401
0.031	0.78	150	20	3.42	...- 050-2402
0.031	0.78	200	30	3.42	...- 050-1964
0.031	0.78	250	40	3.42	...- 050-1965
0.031	0.78	300	50	3.42	...- 050-2403
0.031	0.78	350	60	3.42	...- 050-1966
0.031	0.78	400	70	3.42	...- 050-2404
0.031	0.78	450	80	3.42	...- 050-1967
0.031	0.78	500	90	3.42	...- 050-0968
0.031	0.78	550	100	3.42	...- 050-2405
0.031	0.78	650	110	3.42	...- 050-2406
0.033	0.84	150	20	3.80	...- 050-2407
0.033	0.84	250	40	3.80	...- 050-2408
0.033	0.84	350	60	3.80	...- 050-2409
0.033	0.84	450	80	3.80	...- 050-2410
0.033	0.84	550	100	3.80	...- 050-2411
0.033	0.84	650	110	3.80	...- 050-2412
0.035	0.89	150	20	4.30	...- 050-2413
0.035	0.89	250	40	4.30	...- 050-1970
0.035	0.89	350	60	4.30	...- 050-1971
0.035	0.89	450	80	4.30	...- 050-1972
0.035	0.89	550	100	4.30	...- 050-1974
0.035	0.89	650	110	4.30	...- 050-2414
0.037	0.94	200	30	5.10	...- 050-2415
0.037	0.94	300	50	5.10	...- 050-2416
0.037	0.94	400	70	5.10	...- 050-2417
0.037	0.94	500	90	5.10	...- 050-2418
0.037	0.94	600	110	5.10	...- 050-2419
0.037	0.94	700	130	5.10	...- 050-2420
0.039	0.99	200	30	5.50	...- 050-2421
0.039	0.99	300	50	5.50	...- 050-2422
0.039	0.99	400	70	5.50	...- 050-2423
0.039	0.99	500	90	5.50	...- 050-2424
0.039	0.99	600	110	5.50	...- 050-2425
0.039	0.99	700	130	5.50	...- 050-2426
0.041	1.04	200	30	6.15	...- 050-2427
0.041	1.04	300	50	6.15	...- 050-2428
0.041	1.04	400	70	6.15	...- 050-2429
0.041	1.04	500	90	6.15	...- 050-1975
0.041	1.04	600	110	6.15	...- 050-2430
0.041	1.04	700	130	6.15	...- 050-2431
0.043	1.09	200	30	6.80	...- 050-1976
0.043	1.09	300	50	6.80	...- 050-1977
0.043	1.09	400	70	6.80	...- 050-1979
0.043	1.09	500	90	6.80	...- 050-1980
0.043	1.09	650	110	6.80	...- 050-2432
0.043	1.09	700	130	6.80	...- 050-2433
0.045	1.14	250	40	7.40	...- 050-2434
0.045	1.14	350	60	7.40	...- 050-2435
0.045	1.14	450	80	7.40	...- 050-2436
0.045	1.14	550	100	7.40	...- 050-2437

Nozzle aperture (inches)	Nozzle aperture (mm)	Spray width in mm	Spray angle in °	Flow rate at 100 bar l/min	Article no.
0.045	1.14	650	120	7.40	...- 050-2438
0.045	1.14	750	140	7.40	...- 050-2439
0.047	1.19	250	40	7.94	...- 050-2440
0.047	1.19	350	60	7.94	...- 050-2441
0.047	1.19	450	80	7.94	...- 050-1981
0.047	1.19	550	100	7.94	...- 050-2442
0.047	1.19	650	120	7.94	...- 050-2443
0.047	1.19	750	140	7.94	...- 050-2444
0.049	1.24	250	40	8.50	...- 050-2445
0.049	1.24	350	60	8.50	...- 050-2446
0.049	1.24	450	80	8.50	...- 050-2447
0.049	1.24	550	100	8.50	...- 050-2448
0.049	1.24	650	120	8.50	...- 050-2449
0.049	1.24	750	140	8.50	...- 050-2450
0.051	1.29	250	40	9.10	...- 050-1983
0.051	1.29	350	60	9.10	...- 050-1984
0.051	1.29	450	80	9.10	...- 050-2451
0.051	1.29	550	100	9.10	...- 050-2452
0.051	1.29	650	120	9.10	...- 050-2453
0.051	1.29	750	140	9.10	...- 050-2454
0.053	1.35	250	40	9.80	...- 050-2455
0.053	1.35	350	60	9.80	...- 050-2456
0.053	1.35	450	80	9.80	...- 050-2457
0.053	1.35	550	100	9.80	...- 050-2458
0.053	1.35	650	120	9.80	...- 050-2459
0.053	1.35	750	140	9.80	...- 050-2460
0.055	1.40	250	40	11.00	...- 050-2461
0.055	1.40	350	60	11.00	...- 050-2462
0.055	1.40	450	80	11.00	...- 050-2463
0.055	1.40	550	100	11.00	...- 050-2464
0.055	1.40	650	120	11.00	...- 050-2465
0.055	1.40	750	140	11.00	...- 050-2466
0.057	1.45	250	40	11.80	...- 050-2467
0.057	1.45	350	60	11.80	...- 050-2468
0.057	1.45	450	80	11.80	...- 050-2469
0.057	1.45	550	100	11.80	...- 050-2470
0.057	1.45	650	120	11.80	...- 050-2471
0.057	1.45	750	140	11.80	...- 050-2472
0.059	1.50	250	40	12.50	...- 050-2473
0.059	1.50	350	60	12.50	...- 050-2474
0.059	1.50	450	80	12.50	...- 050-2475
0.059	1.50	550	100	12.50	...- 050-2476
0.059	1.50	650	120	12.50	...- 050-2477
0.059	1.50	750	140	12.50	...- 050-2478
0.061	1.55	250	40	13.70	...- 050-1985
0.061	1.55	350	60	13.70	...- 050-1986
0.061	1.55	450	80	13.70	...- 050-2479
0.061	1.55	550	100	13.70	...- 050-2480
0.061	1.55	650	120	13.70	...- 050-2481
0.061	1.55	750	140	13.70	...- 050-2482

Accessories

Nozzles

Duo atomisation

Duo-nozzles

Horn air

classified by
spraying width

Spray width in mm	Spray angle in °	Nozzle aperture (inches)	Nozzle aperture (mm)	Flow rate at 100 bar l/min	Article no.
75	10	0.007	0.18	0.18	...- 050-1773
75	10	0.009	0.23	0.25	...- 050-1777
75	10	0.011	0.28	0.37	...- 050-1782
75	10	0.013	0.33	0.57	...- 050-1788
75	10	0.015	0.38	0.72	...- 050-1795
75	10	0.016	0.41	0.91	...- 050-1802
75	10	0.017	0.43	0.91	...- 050-2237
75	10	0.018	0.46	1.10	...- 050-2247
75	10	0.019	0.48	1.30	...- 050-2248
75	10	0.021	0.53	1.52	...- 050-2251
125	20	0.007	0.18	0.18	...- 050-1774
125	20	0.009	0.23	0.25	...- 050-1778
125	20	0.011	0.28	0.37	...- 050-1783
125	20	0.013	0.33	0.57	...- 050-1789
125	20	0.015	0.38	0.72	...- 050-1796
150	20	0.016	0.41	0.91	...- 050-1803
150	20	0.017	0.43	0.91	...- 050-2238
150	20	0.018	0.46	1.10	...- 050-1810
150	20	0.019	0.48	1.30	...- 050-1816
150	20	0.021	0.53	1.52	...- 050-1823
150	20	0.023	0.58	1.83	...- 050-1829
150	20	0.025	0.63	2.13	...- 050-1836
150	20	0.027	0.68	2.50	...- 050-2262
150	20	0.029	0.73	2.95	...- 050-1842
150	20	0.031	0.78	3.42	...- 050-2275
150	20	0.033	0.84	3.80	...- 050-2280
150	20	0.035	0.89	4.30	...- 050-2286
175	30	0.007	0.18	0.18	...- 050-1775
175	30	0.009	0.23	1.25	...- 050-2231
175	30	0.011	0.28	0.37	...- 050-2232
175	30	0.013	0.33	0.57	...- 050-2233
175	30	0.016	0.41	0.91	...- 050-2236
200	30	0.015	0.38	0.72	...- 050-1797
200	30	0.017	0.43	0.91	...- 050-2239
200	30	0.018	0.46	1.10	...- 050-1811
200	30	0.019	0.48	1.30	...- 050-1817
200	30	0.021	0.53	1.52	...- 050-1824
200	30	0.023	0.58	1.83	...- 050-1830
200	30	0.025	0.63	2.13	...- 050-1837
200	30	0.027	0.68	2.50	...- 050-2263
200	30	0.029	0.73	2.95	...- 050-1843
200	30	0.031	0.78	3.42	...- 050-1849
200	30	0.037	0.94	5.10	...- 050-2288
200	30	0.039	0.99	5.50	...- 050-2294
200	30	0.041	1.04	6.15	...- 050-2300
200	30	0.043	1.09	6.80	...- 050-1861
225	40	0.007	0.18	0.18	...- 050-1776
225	40	0.009	0.23	0.25	...- 050-1779
225	40	0.011	0.28	0.37	...- 050-1784
225	40	0.013	0.33	0.57	...- 050-1790
250	40	0.015	0.38	0.72	...- 050-1798
250	40	0.016	0.41	0.91	...- 050-1804
250	40	0.017	0.43	0.91	...- 050-2240
250	40	0.018	0.46	1.10	...- 050-1812
250	40	0.019	0.48	1.30	...- 050-1818
250	40	0.021	0.53	1.52	...- 050-1825
250	40	0.023	0.58	1.83	...- 050-1831
250	40	0.025	0.63	2.13	...- 050-1838

Spray width in mm	Spray angle in °	Nozzle aperture (inches)	Nozzle aperture (mm)	Flow rate at 100 bar l/min	Article no.
250	40	0.027	0.68	2.50	...- 050-2264
250	40	0.029	0.73	2.95	...- 050-1844
250	40	0.031	0.78	3.42	...- 050-1850
250	40	0.033	0.84	3.80	...- 050-2281
250	40	0.035	0.89	4.30	...- 050-1855
250	40	0.045	1.14	7.40	...- 050-2307
250	40	0.047	1.19	7.94	...- 050-2313
250	40	0.049	1.24	8.50	...- 050-2318
250	40	0.051	1.29	9.10	...- 050-1868
250	40	0.053	1.35	9.80	...- 050-2328
250	40	0.055	1.40	11.00	...- 050-2334
250	40	0.057	1.45	11.80	...- 050-2340
250	40	0.059	1.50	12.50	...- 050-2346
250	40	0.061	1.55	13.70	...- 050-1870
275	50	0.007	0.18	0.18	...- 050-2230
275	50	0.009	0.23	0.25	...- 050-1780
275	50	0.011	0.28	0.37	...- 050-1785
275	50	0.013	0.33	0.57	...- 050-1791
300	50	0.015	0.38	0.72	...- 050-2234
300	50	0.016	0.41	0.91	...- 050-1805
300	50	0.017	0.43	0.91	...- 050-2241
300	50	0.018	0.46	1.10	...- 050-2089
300	50	0.019	0.48	1.30	...- 050-1819
300	50	0.021	0.53	1.52	...- 050-2252
300	50	0.023	0.58	1.83	...- 050-2255
300	50	0.025	0.63	2.13	...- 050-2258
300	50	0.027	0.68	2.50	...- 050-2265
300	50	0.029	0.73	2.95	...- 050-2272
300	50	0.031	0.78	3.42	...- 050-2276
300	50	0.037	0.94	5.10	...- 050-2289
300	50	0.039	0.99	5.50	...- 050-2295
300	50	0.041	1.04	6.15	...- 050-2301
300	50	0.043	1.09	6.80	...- 050-1862
325	60	0.009	0.23	0.25	...- 050-1781
325	60	0.011	0.28	0.37	...- 050-1786
325	60	0.013	0.33	0.57	...- 050-1792
350	60	0.015	0.38	0.72	...- 050-1799
350	60	0.016	0.41	0.91	...- 050-1806
350	60	0.017	0.43	0.91	...- 050-2242
350	60	0.018	0.46	1.10	...- 050-1813
350	60	0.019	0.48	1.30	...- 050-1820
350	60	0.021	0.53	1.52	...- 050-1826
350	60	0.023	0.58	1.83	...- 050-1832
350	60	0.025	0.63	2.13	...- 050-1839
350	60	0.027	0.68	2.50	...- 050-2266
350	60	0.029	0.73	2.95	...- 050-1845
350	60	0.031	0.78	3.42	...- 050-1851
350	60	0.033	0.84	3.80	...- 050-2282
350	60	0.035	0.89	4.30	...- 050-1856
350	60	0.045	1.14	7.40	...- 050-2308
350	60	0.047	1.19	7.94	...- 050-2314
350	60	0.049	1.24	8.50	...- 050-2319
350	60	0.051	1.29	9.10	...- 050-1869
350	60	0.053	1.35	9.80	...- 050-2329
350	60	0.055	1.40	11.00	...- 050-2335
350	60	0.057	1.45	11.80	...- 050-2341
350	60	0.059	1.50	12.50	...- 050-2347
350	60	0.061	1.55	13.70	...- 050-1871

classified by
spraying width

Spray width	Spray angle	Nozzle aperture	Nozzle aperture	Flow rate	Article no.
in mm	in °	(inches)	(mm)	l/min	
375	70	0.011	0.28	0.37	...- 050-1787
375	70	0.013	0.33	0.57	...- 050-1793
400	70	0.015	0.38	0.72	...- 050-2235
400	70	0.016	0.41	0.91	...- 050-1807
400	70	0.017	0.43	0.91	...- 050-2243
400	70	0.018	0.46	1.10	...- 050-2090
400	70	0.019	0.48	1.30	...- 050-2249
400	70	0.021	0.53	1.52	...- 050-2253
400	70	0.023	0.58	1.83	...- 050-1833
400	70	0.025	0.63	2.13	...- 050-2259
400	70	0.027	0.68	2.50	...- 050-2267
400	70	0.029	0.73	2.95	...- 050-1846
400	70	0.031	0.78	3.42	...- 050-2277
400	70	0.037	0.94	5.10	...- 050-2290
400	70	0.039	0.99	5.50	...- 050-2296
400	70	0.041	1.04	6.15	...- 050-2302
400	70	0.043	1.09	6.80	...- 050-1864
425	80	0.013	0.33	0.57	...- 050-1794
450	80	0.015	0.38	0.72	...- 050-1800
450	80	0.016	0.41	0.91	...- 050-1808
450	80	0.017	0.43	0.91	...- 050-2244
450	80	0.018	0.46	1.10	...- 050-1814
450	80	0.019	0.48	1.30	...- 050-1821
450	80	0.021	0.53	1.52	...- 050-1827
450	80	0.023	0.58	1.83	...- 050-1834
450	80	0.025	0.63	2.13	...- 050-1840
450	80	0.027	0.68	2.50	...- 050-2268
450	80	0.029	0.73	2.95	...- 050-1847
450	80	0.031	0.78	3.42	...- 050-1852
450	80	0.033	0.84	3.80	...- 050-2283
450	80	0.035	0.89	4.30	...- 050-1857
450	80	0.045	1.14	7.40	...- 050-2309
450	80	0.047	1.19	7.94	...- 050-1866
450	80	0.049	1.24	8.50	...- 050-2320
450	80	0.051	1.29	9.10	...- 050-2324
450	80	0.053	1.35	9.80	...- 050-2330
450	80	0.055	1.40	11.00	...- 050-2336
450	80	0.057	1.45	11.80	...- 050-2342
450	80	0.059	1.50	12.50	...- 050-2348
450	80	0.061	1.55	13.70	...- 050-2352
500	90	0.015	0.38	0.72	...- 050-1801
500	90	0.016	0.41	0.91	...- 050-1809
500	90	0.017	0.43	0.91	...- 050-2245
500	90	0.018	0.46	1.10	...- 050-1815
500	90	0.019	0.48	1.30	...- 050-1822
500	90	0.021	0.53	1.52	...- 050-1828
500	90	0.023	0.58	1.83	...- 050-1835
500	90	0.025	0.63	2.13	...- 050-1841
500	90	0.027	0.68	2.50	...- 050-2269
500	90	0.029	0.73	2.95	...- 050-1848
500	90	0.031	0.78	3.42	...- 050-1853
500	90	0.037	0.94	5.10	...- 050-2291
500	90	0.039	0.99	5.50	...- 050-2297
500	90	0.041	1.04	6.15	...- 050-1860
500	90	0.043	1.09	6.80	...- 050-1865
550	100	0.017	0.43	0.91	...- 050-2246
550	100	0.018	0.46	1.10	...- 050-2091
550	100	0.019	0.48	1.30	...- 050-2250

Spray width	Spray angle	Nozzle aperture	Nozzle aperture	Flow rate	Article no.
in mm	in °	(inches)	(mm)	l/min	
550	100	0.021	0.53	1.52	...- 050-2254
550	100	0.023	0.58	1.83	...- 050-2256
550	100	0.025	0.63	2.13	...- 050-2260
550	100	0.027	0.68	2.50	...- 050-2270
550	100	0.029	0.73	2.95	...- 050-2273
550	100	0.031	0.78	3.42	...- 050-2278
550	100	0.033	0.84	3.80	...- 050-2284
550	100	0.035	0.89	4.30	...- 050-1859
550	100	0.045	1.14	7.40	...- 050-2310
550	100	0.047	1.19	7.94	...- 050-2315
550	100	0.049	1.24	8.50	...- 050-2321
550	100	0.051	1.29	9.10	...- 050-2325
550	100	0.053	1.35	9.80	...- 050-2331
550	100	0.055	1.40	11.00	...- 050-2337
550	100	0.057	1.45	11.80	...- 050-2343
550	100	0.059	1.50	12.50	...- 050-2349
550	100	0.061	1.55	13.70	...- 050-2353
600	110	0.023	0.58	1.83	...- 050-2257
600	110	0.025	0.63	2.13	...- 050-2261
600	110	0.037	0.94	5.10	...- 050-2292
600	110	0.039	0.99	5.50	...- 050-2298
600	110	0.041	1.04	6.15	...- 050-2303
650	110	0.027	0.68	2.50	...- 050-2271
650	110	0.029	0.73	2.95	...- 050-2274
650	110	0.031	0.78	3.42	...- 050-2279
650	110	0.033	0.84	3.80	...- 050-2285
650	110	0.035	0.89	4.30	...- 050-2287
650	110	0.043	1.09	6.80	...- 050-2305
650	120	0.045	1.14	7.40	...- 050-2311
650	120	0.047	1.19	7.94	...- 050-2316
650	120	0.049	1.24	8.50	...- 050-2322
650	120	0.051	1.29	9.10	...- 050-2326
650	120	0.053	1.35	9.80	...- 050-2332
650	120	0.055	1.40	11.00	...- 050-2338
650	120	0.057	1.45	11.80	...- 050-2344
650	120	0.059	1.50	12.50	...- 050-2350
650	120	0.061	1.55	13.70	...- 050-2354
700	130	0.037	0.94	5.10	...- 050-2293
700	130	0.039	0.99	5.50	...- 050-2299
700	130	0.041	1.04	6.15	...- 050-2304
700	130	0.043	1.09	6.80	...- 050-2306
750	140	0.045	1.14	7.40	...- 050-2312
750	140	0.047	1.19	7.94	...- 050-2317
750	140	0.049	1.24	8.50	...- 050-2323
750	140	0.051	1.29	9.10	...- 050-2327
750	140	0.053	1.35	9.80	...- 050-2333
750	140	0.055	1.40	11.00	...- 050-2339
750	140	0.057	1.45	11.80	...- 050-2345
750	140	0.059	1.50	12.50	...- 050-2351
750	140	0.061	1.55	13.70	...- 050-2355

Accessories

Nozzles

Duo atomisation

Duo-nozzles

Horn air

classified by
nozzle opening

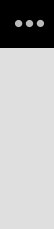
Nozzle aperture (inches)	Nozzle aperture (mm)	Spray width in mm	Spray angle in °	Flow rate at 100 bar l/min	Article no.
0.007	0.18	75	10	0.18	...- 050-1773
0.007	0.18	125	20	0.18	...- 050-1774
0.007	0.18	175	30	0.18	...- 050-1775
0.007	0.18	225	40	0.18	...- 050-1776
0.007	0.18	275	50	0.18	...- 050-2230
0.009	0.23	75	10	0.25	...- 050-1777
0.009	0.23	125	20	0.25	...- 050-1778
0.009	0.23	175	30	1.25	...- 050-2231
0.009	0.23	225	40	0.25	...- 050-1779
0.009	0.23	275	50	0.25	...- 050-1780
0.009	0.23	325	60	0.25	...- 050-1781
0.011	0.28	75	10	0.37	...- 050-1782
0.011	0.28	125	20	0.37	...- 050-1783
0.011	0.28	175	30	0.37	...- 050-2232
0.011	0.28	225	40	0.37	...- 050-1784
0.011	0.28	275	50	0.37	...- 050-1785
0.011	0.28	325	60	0.37	...- 050-1786
0.011	0.28	375	70	0.37	...- 050-1787
0.013	0.33	75	10	0.57	...- 050-1788
0.013	0.33	125	20	0.57	...- 050-1789
0.013	0.33	175	30	0.57	...- 050-2233
0.013	0.33	225	40	0.57	...- 050-1790
0.013	0.33	275	50	0.57	...- 050-1791
0.013	0.33	325	60	0.57	...- 050-1792
0.013	0.33	375	70	0.57	...- 050-1793
0.013	0.33	425	80	0.57	...- 050-1794
0.015	0.38	75	10	0.72	...- 050-1795
0.015	0.38	125	20	0.72	...- 050-1796
0.015	0.38	200	30	0.72	...- 050-1797
0.015	0.38	250	40	0.72	...- 050-1798
0.015	0.38	300	50	0.72	...- 050-2234
0.015	0.38	350	60	0.72	...- 050-1799
0.015	0.38	400	70	0.72	...- 050-2235
0.015	0.38	450	80	0.72	...- 050-1800
0.015	0.38	500	90	0.72	...- 050-1801
0.016	0.41	75	10	0.91	...- 050-1802
0.016	0.41	150	20	0.91	...- 050-1803
0.016	0.41	175	30	0.91	...- 050-2236
0.016	0.41	250	40	0.91	...- 050-1804
0.016	0.41	300	50	0.91	...- 050-1805
0.016	0.41	350	60	0.91	...- 050-1806
0.016	0.41	400	70	0.91	...- 050-1807
0.016	0.41	450	80	0.91	...- 050-1808
0.016	0.41	500	90	0.91	...- 050-1809
0.017	0.43	75	10	0.91	...- 050-2237
0.017	0.43	150	20	0.91	...- 050-2238
0.017	0.43	200	30	0.91	...- 050-2239
0.017	0.43	250	40	0.91	...- 050-2240
0.017	0.43	300	50	0.91	...- 050-2241
0.017	0.43	350	60	0.91	...- 050-2242
0.017	0.43	400	70	0.91	...- 050-2243
0.017	0.43	450	80	0.91	...- 050-2244
0.017	0.43	500	90	0.91	...- 050-2245
0.017	0.43	550	100	0.91	...- 050-2246
0.018	0.46	75	10	1.10	...- 050-2247
0.018	0.46	150	20	1.10	...- 050-1810
0.018	0.46	200	30	1.10	...- 050-1811
0.018	0.46	250	40	1.10	...- 050-1812

Nozzle aperture (inches)	Nozzle aperture (mm)	Spray width in mm	Spray angle in °	Flow rate at 100 bar l/min	Article no.
0.018	0.46	300	50	1.10	...- 050-2089
0.018	0.46	350	60	1.10	...- 050-1813
0.018	0.46	400	70	1.10	...- 050-2090
0.018	0.46	450	80	1.10	...- 050-1814
0.018	0.46	500	90	1.10	...- 050-1815
0.018	0.46	550	100	1.10	...- 050-2091
0.019	0.48	75	10	1.30	...- 050-2248
0.019	0.48	150	20	1.30	...- 050-1816
0.019	0.48	200	30	1.30	...- 050-1817
0.019	0.48	250	40	1.30	...- 050-1818
0.019	0.48	300	50	1.30	...- 050-1819
0.019	0.48	350	60	1.30	...- 050-1820
0.019	0.48	400	70	1.30	...- 050-2249
0.019	0.48	450	80	1.30	...- 050-1821
0.019	0.48	500	90	1.30	...- 050-1822
0.019	0.48	550	100	1.30	...- 050-2250
0.021	0.53	75	10	1.52	...- 050-2251
0.021	0.53	150	20	1.52	...- 050-1823
0.021	0.53	200	30	1.52	...- 050-1824
0.021	0.53	250	40	1.52	...- 050-1825
0.021	0.53	300	50	1.52	...- 050-2252
0.021	0.53	350	60	1.52	...- 050-1826
0.021	0.53	400	70	1.52	...- 050-2253
0.021	0.53	450	80	1.52	...- 050-1827
0.021	0.53	500	90	1.52	...- 050-1828
0.021	0.53	550	100	1.52	...- 050-2254
0.023	0.58	150	20	1.83	...- 050-1829
0.023	0.58	200	30	1.83	...- 050-1830
0.023	0.58	250	40	1.83	...- 050-1831
0.023	0.58	300	50	1.83	...- 050-2255
0.023	0.58	350	60	1.83	...- 050-1832
0.023	0.58	400	70	1.83	...- 050-1833
0.023	0.58	450	80	1.83	...- 050-1834
0.023	0.58	500	90	1.83	...- 050-1835
0.023	0.58	550	100	1.83	...- 050-2256
0.023	0.58	600	110	1.83	...- 050-2257
0.025	0.63	150	20	2.13	...- 050-1836
0.025	0.63	200	30	2.13	...- 050-1837
0.025	0.63	250	40	2.13	...- 050-1838
0.025	0.63	300	50	2.13	...- 050-2258
0.025	0.63	350	60	2.13	...- 050-1839
0.025	0.63	400	70	2.13	...- 050-2259
0.025	0.63	450	80	2.13	...- 050-1840
0.025	0.63	500	90	2.13	...- 050-1841
0.025	0.63	550	100	2.13	...- 050-2260
0.025	0.63	600	110	2.13	...- 050-2261
0.027	0.68	150	20	2.50	...- 050-2262
0.027	0.68	200	30	2.50	...- 050-2263
0.027	0.68	250	40	2.50	...- 050-2264
0.027	0.68	300	50	2.50	...- 050-2265
0.027	0.68	350	60	2.50	...- 050-2266
0.027	0.68	400	70	2.50	...- 050-2267
0.027	0.68	450	80	2.50	...- 050-2268
0.027	0.68	500	90	2.50	...- 050-2269
0.027	0.68	550	100	2.50	...- 050-2270
0.027	0.68	650	110	2.50	...- 050-2271
0.029	0.73	150	20	2.95	...- 050-1842
0.029	0.73	200	30	2.95	...- 050-1843

classified by
nozzle opening

Nozzle aperture (inches)	Nozzle aperture (mm)	Spray width in mm	Spray angle in °	Flow rate at 100 bar l/min	Article no.
0.029	0.73	250	40	2.95	...- 050-1844
0.029	0.73	300	50	2.95	...- 050-2272
0.029	0.73	350	60	2.95	...- 050-1845
0.029	0.73	400	70	2.95	...- 050-1846
0.029	0.73	450	80	2.95	...- 050-1847
0.029	0.73	500	90	2.95	...- 050-1848
0.029	0.73	550	100	2.95	...- 050-2273
0.029	0.73	650	110	2.95	...- 050-2274
0.031	0.78	150	20	3.42	...- 050-2275
0.031	0.78	200	30	3.42	...- 050-1849
0.031	0.78	250	40	3.42	...- 050-1850
0.031	0.78	300	50	3.42	...- 050-2276
0.031	0.78	350	60	3.42	...- 050-1851
0.031	0.78	400	70	3.42	...- 050-2277
0.031	0.78	450	80	3.42	...- 050-1852
0.031	0.78	500	90	3.42	...- 050-1853
0.031	0.78	550	100	3.42	...- 050-2278
0.031	0.78	650	110	3.42	...- 050-2279
0.033	0.84	150	20	3.80	...- 050-2280
0.033	0.84	250	40	3.80	...- 050-2281
0.033	0.84	350	60	3.80	...- 050-2282
0.033	0.84	450	80	3.80	...- 050-2283
0.033	0.84	550	100	3.80	...- 050-2284
0.033	0.84	650	110	3.80	...- 050-2285
0.035	0.89	150	20	4.30	...- 050-2286
0.035	0.89	250	40	4.30	...- 050-1855
0.035	0.89	350	60	4.30	...- 050-1856
0.035	0.89	450	80	4.30	...- 050-1857
0.035	0.89	550	100	4.30	...- 050-1859
0.035	0.89	650	110	4.30	...- 050-2287
0.037	0.94	200	30	5.10	...- 050-2288
0.037	0.94	300	50	5.10	...- 050-2289
0.037	0.94	400	70	5.10	...- 050-2290
0.037	0.94	500	90	5.10	...- 050-2291
0.037	0.94	600	110	5.10	...- 050-2292
0.037	0.94	700	130	5.10	...- 050-2293
0.039	0.99	200	30	5.50	...- 050-2294
0.039	0.99	300	50	5.50	...- 050-2295
0.039	0.99	400	70	5.50	...- 050-2296
0.039	0.99	500	90	5.50	...- 050-2297
0.039	0.99	600	110	5.50	...- 050-2298
0.039	0.99	700	130	5.50	...- 050-2299
0.041	1.04	200	30	6.15	...- 050-2300
0.041	1.04	300	50	6.15	...- 050-2301
0.041	1.04	400	70	6.15	...- 050-2302
0.041	1.04	500	90	6.15	...- 050-1860
0.041	1.04	600	110	6.15	...- 050-2303
0.041	1.04	700	130	6.15	...- 050-2304
0.043	1.09	200	30	6.80	...- 050-1861
0.043	1.09	300	50	6.80	...- 050-1862
0.043	1.09	400	70	6.80	...- 050-1864
0.043	1.09	500	90	6.80	...- 050-1865
0.043	1.09	650	110	6.80	...- 050-2305
0.043	1.09	700	130	6.80	...- 050-2306
0.045	1.14	250	40	7.40	...- 050-2307
0.045	1.14	350	60	7.40	...- 050-2308
0.045	1.14	450	80	7.40	...- 050-2309
0.045	1.14	550	100	7.40	...- 050-2310

Nozzle aperture (inches)	Nozzle aperture (mm)	Spray width in mm	Spray angle in °	Flow rate at 100 bar l/min	Article no.
0.045	1.14	650	120	7.40	...- 050-2311
0.045	1.14	750	140	7.40	...- 050-2312
0.047	1.19	250	40	7.94	...- 050-2313
0.047	1.19	350	60	7.94	...- 050-2314
0.047	1.19	450	80	7.94	...- 050-1866
0.047	1.19	550	100	7.94	...- 050-2315
0.047	1.19	650	120	7.94	...- 050-2316
0.047	1.19	750	140	7.94	...- 050-2317
0.049	1.24	250	40	8.50	...- 050-2318
0.049	1.24	350	60	8.50	...- 050-2319
0.049	1.24	450	80	8.50	...- 050-2320
0.049	1.24	550	100	8.50	...- 050-2321
0.049	1.24	650	120	8.50	...- 050-2322
0.049	1.24	750	140	8.50	...- 050-2323
0.051	1.29	250	40	9.10	...- 050-1868
0.051	1.29	350	60	9.10	...- 050-1869
0.051	1.29	450	80	9.10	...- 050-2324
0.051	1.29	550	100	9.10	...- 050-2325
0.051	1.29	650	120	9.10	...- 050-2326
0.051	1.29	750	140	9.10	...- 050-2327
0.053	1.35	250	40	9.80	...- 050-2328
0.053	1.35	350	60	9.80	...- 050-2329
0.053	1.35	450	80	9.80	...- 050-2330
0.053	1.35	550	100	9.80	...- 050-2331
0.053	1.35	650	120	9.80	...- 050-2332
0.053	1.35	750	140	9.80	...- 050-2333
0.055	1.40	250	40	11.00	...- 050-2334
0.055	1.40	350	60	11.00	...- 050-2335
0.055	1.40	450	80	11.00	...- 050-2336
0.055	1.40	550	100	11.00	...- 050-2337
0.055	1.40	650	120	11.00	...- 050-2338
0.055	1.40	750	140	11.00	...- 050-2339
0.057	1.45	250	40	11.80	...- 050-2340
0.057	1.45	350	60	11.80	...- 050-2341
0.057	1.45	450	80	11.80	...- 050-2342
0.057	1.45	550	100	11.80	...- 050-2343
0.057	1.45	650	120	11.80	...- 050-2344
0.057	1.45	750	140	11.80	...- 050-2345
0.059	1.50	250	40	12.50	...- 050-2346
0.059	1.50	350	60	12.50	...- 050-2347
0.059	1.50	450	80	12.50	...- 050-2348
0.059	1.50	550	100	12.50	...- 050-2349
0.059	1.50	650	120	12.50	...- 050-2350
0.059	1.50	750	140	12.50	...- 050-2351
0.061	1.55	250	40	13.70	...- 050-1870
0.061	1.55	350	60	13.70	...- 050-1871
0.061	1.55	450	80	13.70	...- 050-2352
0.061	1.55	550	100	13.70	...- 050-2353
0.061	1.55	650	120	13.70	...- 050-2354
0.061	1.55	750	140	13.70	...- 050-2355



Hand-held spray guns,
classified by material

		HS 25	Perfekt 4	Mignon 3
Type no. (Please state type no. in front of order no.)	>	2500...	0660...	0850...
Material	mm			
Stainless steel	0.20	-	-	...-070-2315
Stainless steel	0.30	...-070-0309	...-070-1353	...-070-2316
Stainless steel	0.50	...-070-0310	...-070-0718	...-070-2317
Stainless steel	0.65	-	-	...-070-2318
Stainless steel	0.80	...-070-0311	...-070-0719	...-070-2319
Stainless steel	1.00	...-070-0312	...-070-0720	...-070-2320
Stainless steel	1.20	...-070-0313	...-070-0721	...-070-2321
Stainless steel	1.50	...-070-0315	...-070-0723	...-070-2322
Stainless steel	1.80	...-070-0316	...-070-0724	...-070-2323
Stainless steel	2.00	...-070-0317	...-070-0725	...-070-2324
Stainless steel	2.50	...-070-0319	...-070-0726	-
Stainless steel	2.20	...-070-0318	-	-
Stainless steel / Protruding needle	0.50	...-070-1130	...-070-0528	...-070-2449
Stainless steel / Protruding needle	0.65	-	-	...-070-2450
Stainless steel / Protruding needle	0.80	...-070-1131	...-070-0529	...-070-2451
Stainless steel / Protruding needle	1.00	...-070-1132	...-070-0530	...-070-2452
Stainless steel / Protruding needle	1.20	...-070-1133	...-070-0531	...-070-2453
Stainless steel / Protruding needle	1.50	...-070-1134	...-070-0533	...-070-2454
Stainless steel / Protruding needle	1.80	...-070-1135	...-070-0534	...-070-2455
Stainless steel / Protruding needle	2.00	...-070-1136	...-070-0535	-
Stainless steel / Protruding needle	2.50	...-070-1205	...-070-1204	-
Stainless steel / Protruding needle, hard chrome-plated	0.50	-	...-070-1753	-
Stainless steel / Protruding needle, hard chrome-plated	0.80	-	...-070-1754	-
Stainless steel / Protruding needle, hard chrome-plated	1.00	-	...-070-1755	-
Stainless steel / Protruding needle, hard chrome-plated	1.20	-	...-070-1756	-
Stainless steel / Protruding needle, hard chrome-plated	1.50	-	...-070-1758	-
Stainless steel / Protruding needle, hard chrome-plated	1.80	-	...-070-1759	-
Stainless steel / Protruding needle, hard chrome-plated	2.00	-	...-070-1760	-
Stainless steel / Protruding needle, hard chrome-plated	2.50	-	...-070-1761	-
Stainless steel / Hardened	0.20	-	-	...-070-2440
Stainless steel / Hardened	0.30	...-070-0573	...-070-1400	...-070-2441
Stainless steel / Hardened	0.50	...-070-0574	...-070-1401	...-070-2442
Stainless steel / Hardened	0.65	-	-	...-070-2443
Stainless steel / Hardened	0.80	...-070-0575	...-070-1402	...-070-2444
Stainless steel / Hardened	1.00	...-070-0576	...-070-1403	...-070-2445
Stainless steel / Hardened	1.20	...-070-0577	...-070-1404	...-070-2446
Stainless steel / Hardened	1.50	...-070-0579	...-070-1406	...-070-2447
Stainless steel / Hardened	1.80	...-070-0580	...-070-1407	...-070-2448
Stainless steel / Hardened	2.00	...-070-0581	...-070-1408	-
Stainless steel / Hardened	2.20	...-070-0582	-	-
Stainless steel / Hardened / Protruding needle	0.50	-	...-070-1762	-
Stainless steel / Hardened / Protruding needle	0.80	-	...-070-1763	-
Stainless steel / Hardened / Protruding needle	1.00	-	...-070-1764	-
Stainless steel / Hardened / Protruding needle	1.20	-	...-070-1765	-
Stainless steel / Hardened / Protruding needle	1.50	-	...-070-1767	-
Stainless steel / Hardened / Protruding needle	1.80	-	...-070-1768	-
Stainless steel / Hardened / Protruding needle	2.00	-	...-070-1769	-
Stainless steel / Hardened / Protruding needle	2.50	-	...-070-1770	-
Stainless steel / Hard chrome-plated	0.30	...-070-0555	...-070-1389	-
Stainless steel / Hard chrome-plated	0.50	...-070-0556	...-070-1390	-
Stainless steel / Hard chrome-plated	0.80	...-070-0557	...-070-1391	-

		HS 25	Perfekt 4	Mignon 3
Type no. (Please state type no. in front of order no.)	>	2500...	0660...	0850...
Material	mm			
Stainless steel / Hard chrome-plated	1.00	...-070-0558	...-070-1392	-
Stainless steel / Hard chrome-plated	1.20	...-070-0559	...-070-1393	-
Stainless steel / Hard chrome-plated	1.50	...-070-0560	...-070-1395	-
Stainless steel / Hard chrome-plated	1.80	...-070-0561	...-070-1396	-
Stainless steel / Hard chrome-plated	2.00	...-070-0562	...-070-1397	-
Stainless steel / Hard chrome-plated	2.50	...-070-0563	...-070-1399	-
Tungsten carbide	1.20	...-070-0524	...-070-0733	-
Tungsten carbide	1.50	...-070-0525	...-070-0734	-
Tungsten carbide	1.80	...-070-0526	...-070-0735	-
Tungsten carbide	2.00	...-070-2219	...-070-2223	-
Tungsten carbide	2.20	...-070-2220	-	-
Tungsten carbide	2.50	...-070-0527	-	-
Plastic	0.30	...-070-0497	-	-
Plastic	0.50	...-070-0499	-	-
Plastic	0.80	...-070-0501	-	-
Plastic	1.00	...-070-0502	-	-
Plastic	1.20	...-070-0503	-	-
Plastic	1.50	...-070-0505	-	-
Plastic	1.80	...-070-0506	-	-
Plastic	2.00	...-070-0507	-	-
Plastic	2.20	...-070-0508	-	-
Plastic	2.50	...-070-0509	-	-
Plastic	3.00	...-070-0510	-	-

Hand-held spray guns,
classified by size

		HS 25	Perfekt 4	Mignon 3
Type no. (Please state type no. in front of order no.)	>	2500...	0660...	0850...
mm	Material			
0.20	Stainless steel	-	-	...-070-2315
0.20	Stainless steel / Hardened	-	-	...-070-2440
0.30	Stainless steel	...-070-0309	...-070-1353	...-070-2316
0.30	Stainless steel / Hardened	...-070-0573	...-070-1400	...-070-2441
0.30	Stainless steel / Hard chrome-plated	...-070-0555	...-070-1389	-
0.30	Plastic	...-070-0497	-	-
0.50	Stainless steel	...-070-0310	...-070-0718	...-070-2317
0.50	Stainless steel / Protruding needle	...-070-1130	...-070-0528	...-070-2449
0.50	Stainless steel / Protruding needle, hard chrome-plated	-	...-070-1753	-
0.50	Stainless steel / Hardened	...-070-0574	...-070-1401	...-070-2442
0.50	Stainless steel / Hardened / Protruding needle	-	...-070-1762	-
0.50	Stainless steel / Hard chrome-plated	...-070-0556	...-070-1390	-
0.50	Plastic	...-070-0499	-	-
0.65	Stainless steel	-	-	...-070-2318
0.65	Stainless steel / Protruding needle	-	-	...-070-2450
0.65	Stainless steel / Hardened	-	-	...-070-2443
0.80	Stainless steel	...-070-0311	...-070-0719	...-070-2319
0.80	Stainless steel / Protruding needle	...-070-1131	...-070-0529	...-070-2451
0.80	Stainless steel / Protruding needle, hard chrome-plated	-	...-070-1754	-
0.80	Stainless steel / Hardened	...-070-0575	...-070-1402	...-070-2444
0.80	Stainless steel / Hardened / Protruding needle	-	...-070-1763	-
0.80	Stainless steel / Hard chrome-plated	...-070-0557	...-070-1391	-
0.80	Plastic	...-070-0501	-	-
1.00	Stainless steel	...-070-0312	...-070-0720	...-070-2320
1.00	Stainless steel / Protruding needle	...-070-1132	...-070-0530	...-070-2452
1.00	Stainless steel / Protruding needle, hard chrome-plated	-	...-070-1755	-
1.00	Stainless steel / Hardened	...-070-0576	...-070-1403	...-070-2445
1.00	Stainless steel / Hardened / Protruding needle	-	...-070-1764	-
1.00	Stainless steel / Hard chrome-plated	...-070-0558	...-070-1392	-
1.00	Plastic	...-070-0502	-	-
1.20	Stainless steel	...-070-0313	...-070-0721	...-070-2321
1.20	Stainless steel / Protruding needle	...-070-1133	...-070-0531	...-070-2453
1.20	Stainless steel / Protruding needle, hard chrome-plated	-	...-070-1756	-
1.20	Stainless steel / Hardened	...-070-0577	...-070-1404	...-070-2446
1.20	Stainless steel / Hardened / Protruding needle	-	...-070-1765	-
1.20	Stainless steel / Hard chrome-plated	...-070-0559	...-070-1393	-
1.20	Tungsten carbide	...-070-0524	...-070-0733	-
1.20	Plastic	...-070-0503	-	-
1.50	Stainless steel	...-070-0315	...-070-0723	...-070-2322
1.50	Stainless steel / Protruding needle	...-070-1134	...-070-0533	...-070-2454
1.50	Stainless steel / Protruding needle, hard chrome-plated	-	...-070-1758	-
1.50	Stainless steel / Hardened	...-070-0579	...-070-1406	...-070-2447
1.50	Stainless steel / Hardened / Protruding needle	-	...-070-1767	-
1.50	Stainless steel / Hard chrome-plated	...-070-0560	...-070-1395	-
1.50	Tungsten carbide	...-070-0525	...-070-0734	-
1.50	Plastic	...-070-0505	-	-
1.80	Stainless steel	...-070-0316	...-070-0724	...-070-2323
1.80	Stainless steel / Protruding needle	...-070-1135	...-070-0534	...-070-2455

		HS 25	Perfekt 4	Mignon 3
Type no. (Please state type no. in front of order no.)	>	2500...	0660...	0850...
mm	Material			
1.80	Stainless steel / Protruding needle, hard chrome-plated	-	...-070-1759	-
1.80	Stainless steel / Hardened	...-070-0580	...-070-1407	...-070-2448
1.80	Stainless steel / Hardened / Protruding needle	-	...-070-1768	-
1.80	Stainless steel / Hard chrome-plated	...-070-0561	...-070-1396	-
1.80	Tungsten carbide	...-070-0526	...-070-0735	-
1.80	Plastic	...-070-0506	-	-
2.00	Stainless steel	...-070-0317	...-070-0725	...-070-2324
2.00	Stainless steel / Protruding needle	...-070-1136	...-070-0535	-
2.00	Stainless steel / Protruding needle, hard chrome-plated	-	...-070-1760	-
2.00	Stainless steel / Hardened	...-070-0581	...-070-1408	-
2.00	Stainless steel / Hardened / Protruding needle	-	...-070-1769	-
2.00	Stainless steel / Hard chrome-plated	...-070-0562	...-070-1397	-
2.00	Tungsten carbide	...-070-2219	...-070-2223	-
2.00	Plastic	...-070-0507	-	-
2.20	Stainless steel	...-070-0318	-	-
2.20	Stainless steel / Hardened	...-070-0582	-	-
2.20	Tungsten carbide	...-070-2220	-	-
2.20	Plastic	...-070-0508	-	-
2.50	Stainless steel	...-070-0319	...-070-0726	-
2.50	Stainless steel / Protruding needle	...-070-1205	...-070-1204	-
2.50	Stainless steel / Protruding needle, hard chrome-plated	-	...-070-1761	-
2.50	Stainless steel / Hardened / Protruding needle	-	...-070-1770	-
2.50	Stainless steel / Hard chrome-plated	...-070-0563	...-070-1399	-
2.50	Tungsten carbide	...-070-0527	-	-
2.50	Plastic	...-070-0509	-	-
3.00	Plastic	...-070-0510	-	-

		A 10	A 11	RA 2	MA 1	Mikro 3 14 x 0,75	Mikro 3 24 x 1	M 10
Type no. (Please state type no. in front of order no.)	>	1000...	1020...	0902...	1050...	2830...	2831...	2900...
Material	mm							
Aluminium / Hard coated	0.30	...-070-1294	...-070-1294	-	-	-	-	-
Aluminium / Hard coated	0.50	...-070-1295	...-070-1295	-	-	-	-	-
Aluminium / Hard coated	0.80	...-070-1296	...-070-1296	-	-	-	-	-
Aluminium / Hard coated	1.00	...-070-1297	...-070-1297	-	-	-	-	-
Aluminium / Hard coated	1.20	...-070-1298	...-070-1298	-	-	-	-	-
Aluminium / Hard coated	1.50	...-070-1299	...-070-1299	-	-	-	-	-
Aluminium / Hard coated	1.80	...-070-1300	...-070-1300	-	-	-	-	-
Aluminium / Hard coated	2.00	...-070-1301	...-070-1301	-	-	-	-	-
Aluminium / Hard coated	2.20	...-070-1302	...-070-1302	-	-	-	-	-
Aluminium / Hard coated	2.50	...-070-1303	...-070-1303	-	-	-	-	-
Stainless steel	0.20	-	-	-	-	...-070-1350	...-070-2315	...-070-1350
Stainless steel	0.30	...-070-0923	...-070-0923	...-070-1353	-	...-070-0320	...-070-2316	...-070-0320
Stainless steel	0.50	...-070-0281	...-070-0281	...-070-0718	-	...-070-0321	...-070-2317	...-070-0321
Stainless steel	0.60	...-070-0282	...-070-0282	-	-	-	-	-
Stainless steel	0.65	-	-	-	-	...-070-0322	...-070-2318	...-070-0322
Stainless steel	0.70	...-070-0828	...-070-0828	-	-	-	-	-
Stainless steel	0.80	...-070-0283	...-070-0283	...-070-0719	-	...-070-0323	...-070-2319	...-070-0323
Stainless steel	1.00	...-070-0284	...-070-0284	...-070-0720	-	...-070-0324	...-070-2320	...-070-0324
Stainless steel	1.20	...-070-0285	...-070-0285	...-070-0721	-	...-070-0325	...-070-2321	...-070-0325
Stainless steel	1.40	-	-	...-070-0722	-	-	-	-
Stainless steel	1.50	...-070-0286	...-070-0286	...-070-0723	-	...-070-0326	...-070-2322	...-070-0326
Stainless steel	1.80	...-070-0287	...-070-0287	...-070-0724	-	...-070-0327	...-070-2323	...-070-0327
Stainless steel	2.00	...-070-0288	...-070-0288	...-070-0725	-	...-070-2246	...-070-2324	...-070-2246
Stainless steel	2.20	...-070-0924	...-070-0924	...-070-0269	-	-	-	-
Stainless steel	2.50	...-070-0289	...-070-0289	...-070-0726	-	-	...-070-2325	-
Stainless steel / Protruding needle	0.30	-	-	...-070-1601	-	-	-	-
Stainless steel / Protruding needle	0.50	...-070-0820	...-070-0820	...-070-0528	-	...-070-0925	...-070-2449	...-070-0925
Stainless steel / Protruding needle	0.65	-	-	-	-	...-070-0926	...-070-2450	...-070-0926
Stainless steel / Protruding needle	0.80	...-070-0821	...-070-0821	...-070-0529	-	...-070-0927	...-070-2451	...-070-0927
Stainless steel / Protruding needle	1.00	...-070-0822	...-070-0822	...-070-0530	-	...-070-0928	...-070-2452	...-070-0928
Stainless steel / Protruding needle	1.20	...-070-0823	...-070-0823	...-070-0531	-	...-070-0929	...-070-2453	...-070-0929
Stainless steel / Protruding needle	1.40	...-070-0824	...-070-0824	...-070-0532	-	-	-	-
Stainless steel / Protruding needle	1.50	...-070-0825	...-070-0825	...-070-0533	-	...-070-0930	...-070-2454	...-070-0930
Stainless steel / Protruding needle	1.80	...-070-0826	...-070-0826	...-070-0534	-	...-070-0931	...-070-2455	...-070-0931
Stainless steel / Protruding needle	2.00	...-070-0827	...-070-0827	...-070-0535	-	-	-	-
Stainless steel / Protruding needle	2.50	...-070-1206	...-070-1206	...-070-1204	-	-	-	-
Stainless steel / Protruding needle, hardened	0.50	-	-	...-070-1762	-	-	-	-
Stainless steel / Protruding needle, hardened	0.80	-	-	...-070-1763	-	-	-	-
Stainless steel / Protruding needle, hardened	1.00	-	-	...-070-1764	-	-	-	-
Stainless steel / Protruding needle, hardened	1.20	-	-	...-070-1765	-	-	-	-
Stainless steel / Protruding needle, hardened	1.40	-	-	...-070-1766	-	-	-	-
Stainless steel / Protruding needle, hardened	1.50	-	-	...-070-1767	-	-	-	-
Stainless steel / Protruding needle, hardened	1.80	-	-	...-070-1768	-	-	-	-
Stainless steel / Protruding needle, hardened	2.00	-	-	...-070-1769	-	-	-	-
Stainless steel / Protruding needle, hardened	2.50	-	-	...-070-1770	-	-	-	-
Stainless steel / Protruding needle, hard chrome-plated	0.50	-	-	...-070-1753	-	-	-	-
Stainless steel / Protruding needle, hard chrome-plated	0.80	-	-	...-070-1754	-	-	-	-
Stainless steel / Protruding needle, hard chrome-plated	1.00	-	-	...-070-1755	-	-	-	-
Stainless steel / Protruding needle, hard chrome-plated	1.20	-	-	...-070-1756	-	-	-	-
Stainless steel / Protruding needle, hard chrome-plated	1.40	-	-	...-070-1757	-	-	-	-
Stainless steel / Protruding needle, hard chrome-plated	1.50	-	-	...-070-1758	-	-	-	-

Automatic spray guns,
classified by material

		A 10	A 11	RA 2	MA 1	Mikro 3 14 x 0,75	Mikro 3 24 x 1	M 10
Type no. (Please state type no. in front of order no.)	>	1000...	1020...	0902...	1050...	2830...	2831...	2900...
Material	mm							
Stainless steel / Protruding needle, hard chrome-plated	1.80	-	-	...-070-1759	-	-	-	-
Stainless steel / Protruding needle, hard chrome-plated	2.00	-	-	...-070-1760	-	-	-	-
Stainless steel / Protruding needle, hard chrome-plated	2.50	-	-	...-070-1761	-	-	-	-
Stainless steel / Hardened	0.20	-	-	-	...-070-2184	...-070-1667	...-070-2240	...-070-1667
Stainless steel / Hardened	0.30	...-070-1207	...-070-1207	...-070-1400	...-070-2185	...-070-1668	...-070-2241	...-070-1668
Stainless steel / Hardened	0.50	...-070-1208	...-070-1208	...-070-1401	...-070-2186	...-070-1669	...-070-2242	...-070-1669
Stainless steel / Hardened	0.60	...-070-1209	...-070-1209	-	-	-	-	-
Stainless steel / Hardened	0.65	-	-	-	...-070-2187	...-070-1670	...-070-2243	...-070-1670
Stainless steel / Hardened	0.70	...-070-1210	...-070-1210	-	-	-	-	-
Stainless steel / Hardened	0.80	...-070-1211	...-070-1211	...-070-1402	...-070-2188	...-070-1671	...-070-2244	...-070-1671
Stainless steel / Hardened	1.00	...-070-1212	...-070-1212	...-070-1403	...-070-2189	...-070-1672	...-070-2245	...-070-1672
Stainless steel / Hardened	1.20	...-070-1213	...-070-1213	...-070-1404	...-070-2190	...-070-1673	...-070-2246	...-070-1673
Stainless steel / Hardened	1.40	-	-	...-070-1405	-	-	-	-
Stainless steel / Hardened	1.50	...-070-1214	...-070-1214	...-070-1406	...-070-2191	...-070-1674	...-070-2247	...-070-1674
Stainless steel / Hardened	1.80	...-070-1215	...-070-1215	...-070-1407	...-070-2192	...-070-1675	...-070-2248	...-070-1675
Stainless steel / Hardened	2.00	...-070-1216	...-070-1216	...-070-1408	-	-	-	-
Stainless steel / Hardened	2.20	...-070-1217	...-070-1217	...-070-1409	-	-	-	-
Stainless steel / Hardened	2.50	...-070-1218	...-070-1218	...-070-1410	-	-	-	-
Stainless steel / Hard chrome-plated	0.20	-	-	-	...-070-2193	-	-	-
Stainless steel / Hard chrome-plated	0.30	...-070-1368	...-070-1368	...-070-1389	...-070-2194	-	-	-
Stainless steel / Hard chrome-plated	0.50	...-070-1192	...-070-1192	...-070-1390	...-070-2195	-	-	-
Stainless steel / Hard chrome-plated	0.60	...-070-1369	...-070-1369	-	-	-	-	-
Stainless steel / Hard chrome-plated	0.70	...-070-1370	...-070-1370	-	-	-	-	-
Stainless steel / Hard chrome-plated	0.80	...-070-1191	...-070-1191	...-070-1391	...-070-2196	-	-	-
Stainless steel / Hard chrome-plated	1.00	...-070-1193	...-070-1193	...-070-1392	...-070-2197	-	-	-
Stainless steel / Hard chrome-plated	1.20	...-070-1314	...-070-1314	...-070-1393	...-070-2198	-	-	-
Stainless steel / Hard chrome-plated	1.40	-	-	...-070-1394	...-070-2199	-	-	-
Stainless steel / Hard chrome-plated	1.50	...-070-1363	...-070-1363	...-070-1395	...-070-2200	-	-	-
Stainless steel / Hard chrome-plated	1.80	...-070-1364	...-070-1364	...-070-1396	...-070-2201	-	-	-
Stainless steel / Hard chrome-plated	2.00	...-070-1365	...-070-1365	...-070-1397	-	-	-	-
Stainless steel / Hard chrome-plated	2.20	...-070-1366	...-070-1366	...-070-1398	-	-	-	-
Stainless steel / Hard chrome-plated	2.50	...-070-1367	...-070-1367	...-070-1399	-	-	-	-
Stainless steel / Reinforced head section	3.00	...-070-1145	...-070-1145	-	-	-	-	-
Stainless steel / Reinforced head section	3.50	...-070-1146	...-070-1146	-	-	-	-	-
Stainless steel / Reinforced head section	4.50	...-070-1147	...-070-1147	-	-	-	-	-
Stainless steel / Reinforced head section	6.00	...-070-1148	...-070-1148	-	-	-	-	-
Tungsten carbide	1.20	...-070-0853	...-070-0853	...-070-0647	-	-	-	-
Tungsten carbide	1.50	...-070-0854	...-070-0854	...-070-0648	-	-	-	-
Tungsten carbide	1.80	...-070-0855	...-070-0855	...-070-0649	-	-	-	-
Tungsten carbide	2.00	...-070-2217	...-070-2217	...-070-2221	-	-	-	-
Tungsten carbide	2.20	...-070-2218	...-070-2218	...-070-2222	-	-	-	-
Tungsten carbide	2.50	...-070-0856	...-070-0856	...-070-0650	-	-	-	-
Plastic	0.30	...-070-2148	...-070-2148	-	-	...-070-2370	-	...-070-2370
Plastic	0.40	...-070-2149	...-070-2149	-	-	-	-	-
Plastic	0.50	...-070-2150	...-070-2150	-	-	...-070-2379	-	...-070-2379
Plastic	0.60	...-070-2151	...-070-2151	-	-	-	-	-
Plastic	0.80	...-070-2152	...-070-2152	-	-	...-070-2380	-	...-070-2380
Plastic	1.00	...-070-2153	...-070-2153	-	-	...-070-1618	-	...-070-1618
Plastic	1.20	...-070-2154	...-070-2154	-	-	...-070-2381	-	...-070-2381
Plastic	1.40	...-070-2155	...-070-2155	-	-	-	-	-

[illegible]

		A 10	A 11	RA 2	MA 1	Mikro 3 14 x 0,75	Mikro 3 24 x 1	M 10
Type no. (Please state type no. in front of order no.)	>	1000...	1020...	0902...	1050...	2830...	2831...	2900...
mm	Material							
0.20	Stainless steel	-	-	-	-	...-070-1350	...-070-2315	...-070-1350
0.20	Stainless steel / Hardened	-	-	-	...-070-2184	...-070-1667	...-070-2240	...-070-1667
0.20	Stainless steel / Hard chrome-plated	-	-	-	...-070-2193	-	-	-
0.30	Aluminium / Hard coated	...-070-1294	...-070-1294	-	-	-	-	-
0.30	Stainless steel	...-070-0923	...-070-0923	...-070-1353	-	...-070-0320	...-070-2316	...-070-0320
0.30	Stainless steel / Protruding needle	-	-	...-070-1601	-	-	-	-
0.30	Stainless steel / Hardened	...-070-1207	...-070-1207	...-070-1400	...-070-2185	...-070-1668	...-070-2241	...-070-1668
0.30	Stainless steel / Hard chrome-plated	...-070-1368	...-070-1368	...-070-1389	...-070-2194	-	-	-
0.30	Plastic	...-070-2148	...-070-2148	-	-	...-070-2370	-	...-070-2370
0.40	Plastic	...-070-2149	...-070-2149	-	-	-	-	-
0.50	Aluminium / Hard coated	...-070-1295	...-070-1295	-	-	-	-	-
0.50	Stainless steel	...-070-0281	...-070-0281	...-070-0718	-	...-070-0321	...-070-2317	...-070-0321
0.50	Stainless steel / Protruding needle	...-070-0820	...-070-0820	...-070-0528	-	...-070-0925	...-070-2449	...-070-0925
0.50	Stainless steel / Protruding needle, hardened	-	-	...-070-1762	-	-	-	-
0.50	Stainless steel / Protruding needle, hard chrome-plated	-	-	...-070-1753	-	-	-	-
0.50	Stainless steel / Hardened	...-070-1208	...-070-1208	...-070-1401	...-070-2186	...-070-1669	...-070-2242	...-070-1669
0.50	Stainless steel / Hard chrome-plated	...-070-1192	...-070-1192	...-070-1390	...-070-2195	-	-	-
0.50	Plastic	...-070-2150	...-070-2150	-	-	...-070-2379	-	...-070-2379
0.60	Stainless steel	...-070-0282	...-070-0282	-	-	-	-	-
0.60	Stainless steel / Hardened	...-070-1209	...-070-1209	-	-	-	-	-
0.60	Stainless steel / Hard chrome-plated	...-070-1369	...-070-1369	-	-	-	-	-
0.60	Plastic	...-070-2151	...-070-2151	-	-	-	-	-
0.65	Stainless steel	-	-	-	-	...-070-0322	...-070-2318	...-070-0322
0.65	Stainless steel / Protruding needle	-	-	-	-	...-070-0926	...-070-2450	...-070-0926
0.65	Stainless steel / Hardened	-	-	-	...-070-2187	...-070-1670	...-070-2243	...-070-1670
0.70	Stainless steel	...-070-0828	...-070-0828	-	-	-	-	-
0.70	Stainless steel / Hardened	...-070-1210	...-070-1210	-	-	-	-	-
0.70	Stainless steel / Hard chrome-plated	...-070-1370	...-070-1370	-	-	-	-	-
0.80	Aluminium / Hard coated	...-070-1296	...-070-1296	-	-	-	-	-
0.80	Stainless steel	...-070-0283	...-070-0283	...-070-0719	-	...-070-0323	...-070-2319	...-070-0323
0.80	Stainless steel / Protruding needle	...-070-0821	...-070-0821	...-070-0529	-	...-070-0927	...-070-2451	...-070-0927
0.80	Stainless steel / Protruding needle, hardened	-	-	...-070-1763	-	-	-	-
0.80	Stainless steel / Protruding needle, hard chrome-plated	-	-	...-070-1754	-	-	-	-
0.80	Stainless steel / Hardened	...-070-1211	...-070-1211	...-070-1402	...-070-2188	...-070-1671	...-070-2244	...-070-1671
0.80	Stainless steel / Hard chrome-plated	...-070-1191	...-070-1191	...-070-1391	...-070-2196	-	-	-
0.80	Plastic	...-070-2152	...-070-2152	-	-	...-070-2380	-	...-070-2380
1.00	Aluminium / Hard coated	...-070-1297	...-070-1297	-	-	-	-	-
1.00	Stainless steel	...-070-0284	...-070-0284	...-070-0720	-	...-070-0324	...-070-2320	...-070-0324
1.00	Stainless steel / Protruding needle	...-070-0822	...-070-0822	...-070-0530	-	...-070-0928	...-070-2452	...-070-0928
1.00	Stainless steel / Protruding needle, hardened	-	-	...-070-1764	-	-	-	-
1.00	Stainless steel / Protruding needle, hard chrome-plated	-	-	...-070-1755	-	-	-	-
1.00	Stainless steel / Hardened	...-070-1212	...-070-1212	...-070-1403	...-070-2189	...-070-1672	...-070-2245	...-070-1672
1.00	Stainless steel / Hard chrome-plated	...-070-1193	...-070-1193	...-070-1392	...-070-2197	-	-	-
1.00	Plastic	...-070-2153	...-070-2153	-	-	...-070-1618	-	...-070-1618
1.20	Aluminium / Hard coated	...-070-1298	...-070-1298	-	-	-	-	-
1.20	Stainless steel	...-070-0285	...-070-0285	...-070-0721	-	...-070-0325	...-070-2321	...-070-0325

Automatic spray guns,
classified by size

		A 10	A 11	RA 2	MA 1	Mikro 3 14 x 0,75	Mikro 3 24 x 1	M 10
Type no. (Please state type no. in front of order no.)	>	1000...	1020...	0902...	1050...	2830...	2831...	2900...
mm	Material							
1.20	Stainless steel / Protruding needle	...-070-0823	...-070-0823	...-070-0531	-	...-070-0929	...-070-2453	...-070-0929
1.20	Stainless steel / Protruding needle, hardened	-	-	...-070-1765	-	-	-	-
1.20	Stainless steel / Protruding needle, hard chrome-plated	-	-	...-070-1756	-	-	-	-
1.20	Stainless steel / Hardened	...-070-1213	...-070-1213	...-070-1404	...-070-2190	...-070-1673	...-070-2246	...-070-1673
1.20	Stainless steel / Hard chrome-plated	...-070-1314	...-070-1314	...-070-1393	...-070-2198	-	-	-
1.20	Tungsten carbide	...-070-0853	...-070-0853	...-070-0647	-	-	-	-
1.20	Plastic	...-070-2154	...-070-2154	-	-	...-070-2381	-	...-070-2381
1.40	Stainless steel	-	-	...-070-0722	-	-	-	-
1.40	Stainless steel / Protruding needle	...-070-0824	...-070-0824	...-070-0532	-	-	-	-
1.40	Stainless steel / Protruding needle, hardened	-	-	...-070-1766	-	-	-	-
1.40	Stainless steel / Protruding needle, hard chrome-plated	-	-	...-070-1757	-	-	-	-
1.40	Stainless steel / Hardened	-	-	...-070-1405	-	-	-	-
1.40	Stainless steel / Hard chrome-plated	-	-	...-070-1394	...-070-2199	-	-	-
1.40	Plastic	...-070-2155	...-070-2155	-	-	-	-	-
1.50	Aluminium / Hard coated	...-070-1299	...-070-1299	-	-	-	-	-
1.50	Stainless steel	...-070-0286	...-070-0286	...-070-0723	-	...-070-0326	...-070-2322	...-070-0326
1.50	Stainless steel / Protruding needle	...-070-0825	...-070-0825	...-070-0533	-	...-070-0930	...-070-2454	...-070-0930
1.50	Stainless steel / Protruding needle, hardened	-	-	...-070-1767	-	-	-	-
1.50	Stainless steel / Protruding needle, hard chrome-plated	-	-	...-070-1758	-	-	-	-
1.50	Stainless steel / Hardened	...-070-1214	...-070-1214	...-070-1406	...-070-2191	...-070-1674	...-070-2247	...-070-1674
1.50	Stainless steel / Hard chrome-plated	...-070-1363	...-070-1363	...-070-1395	...-070-2200	-	-	-
1.50	Tungsten carbide	...-070-0854	...-070-0854	...-070-0648	-	-	-	-
1.50	Plastic	...-070-2156	...-070-2156	-	-	...-070-2382	-	...-070-2382
1.80	Aluminium / Hard coated	...-070-1300	...-070-1300	-	-	-	-	-
1.80	Stainless steel	...-070-0287	...-070-0287	...-070-0724	-	...-070-0327	...-070-2323	...-070-0327
1.80	Stainless steel / Protruding needle	...-070-0826	...-070-0826	...-070-0534	-	...-070-0931	...-070-2455	...-070-0931
1.80	Stainless steel / Protruding needle, hardened	-	-	...-070-1768	-	-	-	-
1.80	Stainless steel / Protruding needle, hard chrome-plated	-	-	...-070-1759	-	-	-	-
1.80	Stainless steel / Hardened	...-070-1215	...-070-1215	...-070-1407	...-070-2192	...-070-1675	...-070-2448	...-070-1675
1.80	Stainless steel / Hard chrome-plated	...-070-1364	...-070-1364	...-070-1396	...-070-2201	-	-	-
1.80	Tungsten carbide	...-070-0855	...-070-0855	...-070-0649	-	-	-	-
1.80	Plastic	...-070-2157	...-070-2157	-	-	...-070-2383	-	...-070-2383
2.00	Aluminium / Hard coated	...-070-1301	...-070-1301	-	-	-	-	-
2.00	Stainless steel	...-070-0288	...-070-0288	...-070-0725	-	...-070-2246	...-070-2324	...-070-2246
2.00	Stainless steel / Protruding needle	...-070-0827	...-070-0827	...-070-0535	-	-	-	-
2.00	Stainless steel / Protruding needle, hardened	-	-	...-070-1769	-	-	-	-
2.00	Stainless steel / Protruding needle, hard chrome-plated	-	-	...-070-1760	-	-	-	-
2.00	Stainless steel / Hardened	...-070-1216	...-070-1216	...-070-1408	-	-	-	-
2.00	Stainless steel / Hard chrome-plated	...-070-1365	...-070-1365	...-070-1397	-	-	-	-
2.00	Tungsten carbide	...-070-2217	...-070-2217	...-070-2221	-	-	-	-
2.00	Plastic	...-070-2158	...-070-2158	-	-	-	-	-
2.20	Aluminium / Hard coated	...-070-1302	...-070-1302	-	-	-	-	-
2.20	Stainless steel	...-070-0924	...-070-0924	...-070-0269	-	-	-	-
2.20	Stainless steel / Hardened	...-070-1217	...-070-1217	...-070-1409	-	-	-	-
2.20	Stainless steel / Hard chrome-plated	...-070-1366	...-070-1366	...-070-1398	-	-	-	-
2.20	Tungsten carbide	...-070-2218	...-070-2218	...-070-2222	-	-	-	-
2.20	Plastic	...-070-2159	...-070-2159	-	-	-	-	-
2.50	Aluminium / Hard coated	...-070-1303	...-070-1303	-	-	-	-	-
2.50	Stainless steel	...-070-0289	...-070-0289	...-070-0726	-	-	...-070-2325	-

[illegible]

Hand-held spray guns,
classified by material

		HS 25 HV1	HS 25 HV3	Mignon 3 HV3
Type no. (Please state type no. in front of order no.)	>	2583...	2587...	0853...
Material	mm			
Stainless steel	0.20	-	-	...-070-2315
Stainless steel	0.30	...-070-0309	...-070-0309	...-070-2316
Stainless steel	0.50	...-070-0310	...-070-0310	...-070-2317
Stainless steel	0.65	-	-	...-070-2318
Stainless steel	0.80	...-070-0311	...-070-0311	...-070-2319
Stainless steel	1.00	...-070-0312	...-070-0312	...-070-2320
Stainless steel	1.20	...-070-0313	...-070-0313	...-070-2321
Stainless steel	1.50	...-070-0315	...-070-0315	...-070-2322
Stainless steel	1.80	...-070-0316	...-070-0316	...-070-2323
Stainless steel	2.00	...-070-0317	...-070-0317	...-070-2324
Stainless steel	2.50	...-070-0319	...-070-0319	...-070-2325
Stainless steel / Protruding needle	0.50	...-070-1130	...-070-1130	...-070-2449
Stainless steel / Protruding needle	0.65	-	-	...-070-2450
Stainless steel / Protruding needle	0.80	...-070-1131	...-070-1131	...-070-2451
Stainless steel / Protruding needle	1.00	...-070-1132	...-070-1132	...-070-2452
Stainless steel / Protruding needle	1.20	...-070-1133	...-070-1133	...-070-2453
Stainless steel / Protruding needle	1.50	...-070-1134	...-070-1134	...-070-2454
Stainless steel / Protruding needle	1.80	...-070-1135	...-070-1135	...-070-2455
Stainless steel / Protruding needle	2.00	...-070-1136	...-070-1136	-
Stainless steel / Protruding needle	2.50	...-070-1205	...-070-1205	-
Stainless steel / Hardened	0.20	-	-	...-070-2440
Stainless steel / Hardened	0.30	...-070-0573	...-070-0573	...-070-2441
Stainless steel / Hardened	0.50	...-070-0574	...-070-0574	...-070-2442
Stainless steel / Hardened	0.65	-	-	...-070-2443
Stainless steel / Hardened	0.80	...-070-0575	...-070-0575	...-070-2444
Stainless steel / Hardened	1.00	...-070-0576	...-070-0576	...-070-2445
Stainless steel / Hardened	1.20	...-070-0577	...-070-0577	...-070-2446
Stainless steel / Hardened	1.50	...-070-0579	...-070-0579	...-070-2447
Stainless steel / Hardened	1.80	...-070-0580	...-070-0580	...-070-2448
Stainless steel / Hardened	2.00	...-070-0581	...-070-0581	-
Stainless steel / Hardened	2.50	...-070-0583	...-070-0583	-
Stainless steel / Hard chrome-plated	0.30	...-070-0555	...-070-0555	-
Stainless steel / Hard chrome-plated	0.50	...-070-0556	...-070-0556	-
Stainless steel / Hard chrome-plated	0.80	...-070-0557	...-070-0557	-
Stainless steel / Hard chrome-plated	1.00	...-070-0558	...-070-0558	-
Stainless steel / Hard chrome-plated	1.20	...-070-0559	...-070-0559	-
Stainless steel / Hard chrome-plated	1.50	...-070-0560	...-070-0560	-
Stainless steel / Hard chrome-plated	1.80	...-070-0561	...-070-0561	-
Stainless steel / Hard chrome-plated	2.00	...-070-0562	...-070-0562	-
Stainless steel / Hard chrome-plated	2.50	...-070-0563	...-070-0563	-
Tungsten carbide	1.20	...-070-0524	...-070-0524	-
Tungsten carbide	1.50	...-070-0525	...-070-0525	-
Tungsten carbide	1.80	...-070-0526	...-070-0526	-
Tungsten carbide	2.00	...-070-2219	...-070-2219	-
Tungsten carbide	2.50	...-070-0527	...-070-0527	-
Plastic	0.30	...-070-0497	...-070-0497	-
Plastic	0.50	...-070-0499	...-070-0499	-
Plastic	0.65	...-070-0500	...-070-0500	-
Plastic	0.80	...-070-0501	...-070-0501	-
Plastic	1.00	...-070-0502	...-070-0502	-
Plastic	1.20	...-070-0503	...-070-0503	-

Hand-held spray guns,
classified by size

		HS 25 HV1	HS 25 HV3	Mignon 3 HV3
Type no. (Please state type no. in front of order no.)	>	2583...	2587...	0853...
mm	Material			
0.20	Stainless steel	-	-	...-070-2315
0.20	Stainless steel / Hardened	-	-	...-070-2440
0.30	Stainless steel	...-070-0309	...-070-0309	...-070-2316
0.30	Stainless steel / Hardened	...-070-0573	...-070-0573	...-070-2441
0.30	Stainless steel / Hard chrome-plated	...-070-0555	...-070-0555	-
0.30	Plastic	...-070-0497	...-070-0497	-
0.50	Stainless steel	...-070-0310	...-070-0310	...-070-2317
0.50	Stainless steel / Protruding needle	...-070-1130	...-070-1130	...-070-2449
0.50	Stainless steel / Hardened	...-070-0574	...-070-0574	...-070-2442
0.50	Stainless steel / Hard chrome-plated	...-070-0556	...-070-0556	-
0.50	Plastic	...-070-0499	...-070-0499	-
0.65	Stainless steel	-	-	...-070-2318
0.65	Stainless steel / Protruding needle	-	-	...-070-2450
0.65	Stainless steel / Hardened	-	-	...-070-2443
0.65	Plastic	...-070-0500	...-070-0500	-
0.80	Stainless steel	...-070-0311	...-070-0311	...-070-2319
0.80	Stainless steel / Protruding needle	...-070-1131	...-070-1131	...-070-2451
0.80	Stainless steel / Hardened	...-070-0575	...-070-0575	...-070-2444
0.80	Stainless steel / Hard chrome-plated	...-070-0557	...-070-0557	-
0.80	Plastic	...-070-0501	...-070-0501	-
1.00	Stainless steel	...-070-0312	...-070-0312	...-070-2320
1.00	Stainless steel / Protruding needle	...-070-1132	...-070-1132	...-070-2452
1.00	Stainless steel / Hardened	...-070-0576	...-070-0576	...-070-2445
1.00	Stainless steel / Hard chrome-plated	...-070-0558	...-070-0558	-
1.00	Plastic	...-070-0502	...-070-0502	-
1.20	Stainless steel	...-070-0313	...-070-0313	...-070-2321
1.20	Stainless steel / Protruding needle	...-070-1133	...-070-1133	...-070-2453
1.20	Stainless steel / Hardened	...-070-0577	...-070-0577	...-070-2446
1.20	Stainless steel / Hard chrome-plated	...-070-0559	...-070-0559	-
1.20	Tungsten carbide	...-070-0524	...-070-0524	-
1.20	Plastic	...-070-0503	...-070-0503	-
1.50	Stainless steel	...-070-0315	...-070-0315	...-070-2322
1.50	Stainless steel / Protruding needle	...-070-1134	...-070-1134	...-070-2454
1.50	Stainless steel / Hardened	...-070-0579	...-070-0579	...-070-2447
1.50	Stainless steel / Hard chrome-plated	...-070-0560	...-070-0560	-
1.50	Tungsten carbide	...-070-0525	...-070-0525	-
1.50	Plastic	...-070-0505	...-070-0505	-
1.80	Stainless steel	...-070-0316	...-070-0316	...-070-2323
1.80	Stainless steel / Protruding needle	...-070-1135	...-070-1135	...-070-2455
1.80	Stainless steel / Hardened	...-070-0580	...-070-0580	...-070-2448
1.80	Stainless steel / Hard chrome-plated	...-070-0561	...-070-0561	-
1.80	Tungsten carbide	...-070-0526	...-070-0526	-
1.80	Kunststoff	...-070-0506	...-070-0506	-
2.00	Stainless steel	...-070-0317	...-070-0317	...-070-2324
2.00	Stainless steel / Protruding needle	...-070-1136	...-070-1136	-
2.00	Stainless steel / Hardened	...-070-0581	...-070-0581	-
2.00	Stainless steel / Hard chrome-plated	...-070-0562	...-070-0562	-

Hand-held spray guns,
classified by size

Subject to change

Automatic spray guns,
classified by material

		A 12 HV1	RA 2 HV1	A 14 HV 3	RA 2 HV3	M 14 HV3
Type no. (Please state type no. in front of order no.)	>	1030...	0915...	1032...	0920...	2901...
Material	mm					
Aluminium / Hard coated	0.30	...-070-1294	-	...-070-1294	-	-
Aluminium / Hard coated	0.50	...-070-1295	-	...-070-1295	-	-
Aluminium / Hard coated	0.80	...-070-1296	-	...-070-1296	-	-
Aluminium / Hard coated	1.00	...-070-1297	-	...-070-1297	-	-
Aluminium / Hard coated	1.20	...-070-1298	-	...-070-1298	-	-
Aluminium / Hard coated	1.50	...-070-1299	-	...-070-1299	-	-
Aluminium / Hard coated	1.80	...-070-1300	-	...-070-1300	-	-
Aluminium / Hard coated	2.00	...-070-1301	-	...-070-1301	-	-
Aluminium / Hard coated	2.20	...-070-1302	-	...-070-1302	-	-
Aluminium / Hard coated	2.50	...-070-1303	-	...-070-1303	-	-
Stainless steel	0.20	-	-	-	-	...-070-1350
Stainless steel	0.30	...-070-0923	...-070-1353	...-070-0923	...-070-1353	...-070-0320
Stainless steel	0.50	...-070-0281	...-070-0718	...-070-0281	...-070-0718	...-070-0321
Stainless steel	0.65	-	-	-	-	...-070-0322
Stainless steel	0.80	...-070-0283	...-070-0719	...-070-0283	...-070-0719	...-070-0323
Stainless steel	1.00	...-070-0284	...-070-0720	...-070-0284	...-070-0720	...-070-0324
Stainless steel	1.20	...-070-0285	...-070-0721	...-070-0285	...-070-0721	...-070-0325
Stainless steel	1.50	...-070-0286	...-070-0723	...-070-0286	...-070-0723	...-070-0326
Stainless steel	1.80	...-070-0287	...-070-0724	...-070-0287	...-070-0724	...-070-0327
Stainless steel	2.00	...-070-0288	...-070-0725	...-070-0288	...-070-0725	...-070-2246
Stainless steel	2.20	...-070-0924	...-070-0269	...-070-0924	...-070-0269	-
Stainless steel	2.50	...-070-0289	...-070-0726	...-070-0289	...-070-0726	-
Stainless steel / Protruding needle, hardened	0.50	-	...-070-1762	-	...-070-1762	-
Stainless steel / Protruding needle, hardened	0.80	-	...-070-1763	-	...-070-1763	-
Stainless steel / Protruding needle, hardened	1.00	-	...-070-1764	-	...-070-1764	-
Stainless steel / Protruding needle, hardened	1.20	-	...-070-1765	-	...-070-1765	-
Stainless steel / Protruding needle, hardened	1.50	-	...-070-1767	-	...-070-1767	-
Stainless steel / Protruding needle, hardened	1.80	-	...-070-1768	-	...-070-1768	-
Stainless steel / Protruding needle, hardened	2.00	-	...-070-1769	-	...-070-1769	-
Stainless steel / Protruding needle, hardened	2.50	-	...-070-1770	-	...-070-1770	-
Stainless steel / Protruding needle, hard chrome-plated	0.50	-	...-070-1753	-	...-070-1753	-
Stainless steel / Protruding needle, hard chrome-plated	0.80	-	...-070-1754	-	...-070-1754	-
Stainless steel / Protruding needle, hard chrome-plated	1.00	-	...-070-1755	-	...-070-1755	-
Stainless steel / Protruding needle, hard chrome-plated	1.20	-	...-070-1756	-	...-070-1756	-
Stainless steel / Protruding needle, hard chrome-plated	1.50	-	...-070-1758	-	...-070-1758	-
Stainless steel / Protruding needle, hard chrome-plated	1.80	-	...-070-1759	-	...-070-1759	-
Stainless steel / Protruding needle, hard chrome-plated	2.00	-	...-070-1760	-	...-070-1760	-
Stainless steel / Protruding needle, hard chrome-plated	2.50	-	...-070-1761	-	...-070-1761	-
Stainless steel / Protruding needle	0.30	-	...-070-1601	-	...-070-1601	-
Stainless steel / Protruding needle	0.50	...-070-0820	...-070-0528	...-070-0820	...-070-0528	-
Stainless steel / Protruding needle	0.65	-	-	-	-	-
Stainless steel / Protruding needle	0.80	...-070-0821	...-070-0529	...-070-0821	...-070-0529	-
Stainless steel / Protruding needle	1.00	...-070-0822	...-070-0530	...-070-0822	...-070-0530	-
Stainless steel / Protruding needle	1.20	...-070-0823	...-070-0531	...-070-0823	...-070-0531	-
Stainless steel / Protruding needle	1.50	...-070-0825	...-070-0533	...-070-0825	...-070-0533	-
Stainless steel / Protruding needle	1.80	...-070-0826	...-070-0534	...-070-0826	...-070-0534	-
Stainless steel / Protruding needle	2.00	...-070-0827	...-070-0535	...-070-0827	...-070-0535	-
Stainless steel / Protruding needle	2.50	...-070-1206	...-070-1204	...-070-1206	...-070-1204	-
Stainless steel / Hardened	0.20	-	-	-	-	...-070-1667
Stainless steel / Hardened	0.30	...-070-1207	...-070-1400	...-070-1207	...-070-1400	...-070-1668
Stainless steel / Hardened	0.50	...-070-1208	...-070-1401	...-070-1208	...-070-1401	...-070-1669

Subject to change

8 | 2.2.2.1. 2 © Krautzberger GmbH / 11.2001

Automatic spray guns,
classified by size

		A 12 HV1	RA 2 HV1	A 14 HV 3	RA 2 HV3	M 14 HV3
Type no. (Please state type no. in front of order no.) >		1030...	0915...	1032...	0920...	2901...
mm	Material					
0.20	Stainless steel	-	-	-	-	...-070-1350
0.20	Stainless steel / Hardened	-	-	-	-	...-070-1667
0.30	Aluminium / Hard coated	...-070-1294	-	...-070-1294	-	-
0.30	Stainless steel	...-070-0923	...-070-1353	...-070-0923	...-070-1353	...-070-0320
0.30	Stainless steel / Protruding needle	-	...-070-1601	-	...-070-1601	-
0.30	Stainless steel / Hardened	...-070-1207	...-070-1400	...-070-1207	...-070-1400	...-070-1668
0.30	Stainless steel / Hard chrome-plated	...-070-1368	...-070-1389	...-070-1368	...-070-1389	-
0.30	Plastic	...-070-2148	-	...-070-2148	-	...-070-2370
0.50	Aluminium / Hard coated	...-070-1295	-	...-070-1295	-	-
0.50	Stainless steel	...-070-0281	...-070-0718	...-070-0281	...-070-0718	...-070-0321
0.50	Stainless steel / Protruding needle, hardened	-	...-070-1762	-	...-070-1762	-
0.50	Stainless steel / Protruding needle, hard chrome-plated	-	...-070-1753	-	...-070-1753	-
0.50	Stainless steel / Protruding needle	...-070-0820	...-070-0528	...-070-0820	...-070-0528	-
0.50	Stainless steel / Hardened	...-070-1208	...-070-1401	...-070-1208	...-070-1401	...-070-1669
0.50	Stainless steel / Hard chrome-plated	...-070-1192	...-070-1390	...-070-1192	...-070-1390	-
0.50	Plastic	...-070-2150	-	...-070-2150	-	...-070-2379
0.65	Stainless steel	-	-	-	-	...-070-0322
0.65	Stainless steel / Protruding needle	-	-	-	-	-
0.65	Stainless steel / Hardened	-	-	-	-	...-070-1670
0.80	Aluminium / Hard coated	...-070-1296	-	...-070-1296	-	-
0.80	Stainless steel	...-070-0283	...-070-0719	...-070-0283	...-070-0719	...-070-0323
0.80	Stainless steel / Protruding needle, hardened	-	...-070-1763	-	...-070-1763	-
0.80	Stainless steel / Protruding needle, hard chrome-plated	-	...-070-1754	-	...-070-1754	-
0.80	Stainless steel / Protruding needle	...-070-0821	...-070-0529	...-070-0821	...-070-0529	-
0.80	Stainless steel / Hardened	...-070-1211	...-070-1402	...-070-1211	...-070-1402	...-070-1671
0.80	Stainless steel / Hard chrome-plated	...-070-1191	...-070-1391	...-070-1191	...-070-1391	-
0.80	Plastic	...-070-2152	-	...-070-2152	-	...-070-2380
1.00	Aluminium / Hard coated	...-070-1297	-	...-070-1297	-	-
1.00	Stainless steel	...-070-0284	...-070-0720	...-070-0284	...-070-0720	...-070-0324
1.00	Stainless steel / Protruding needle, hardened	-	...-070-1764	-	...-070-1764	-
1.00	Stainless steel / Protruding needle, hard chrome-plated	-	...-070-1755	-	...-070-1755	-
1.00	Stainless steel / Protruding needle	...-070-0822	...-070-0530	...-070-0822	...-070-0530	-
1.00	Stainless steel / Hardened	...-070-1212	...-070-1403	...-070-1212	...-070-1403	...-070-1672
1.00	Stainless steel / Hard chrome-plated	...-070-1193	...-070-1392	...-070-1193	...-070-1392	-
1.00	Plastic	...-070-2153	-	...-070-2153	-	...-070-1618
1.20	Aluminium / Hard coated	...-070-1298	-	...-070-1298	-	-
1.20	Stainless steel	...-070-0285	...-070-0721	...-070-0285	...-070-0721	...-070-0325
1.20	Stainless steel / Protruding needle, hardened	-	...-070-1765	-	...-070-1765	-
1.20	Stainless steel / Protruding needle, hard chrome-plated	-	...-070-1756	-	...-070-1756	-
1.20	Stainless steel / Protruding needle	...-070-0823	...-070-0531	...-070-0823	...-070-0531	-
1.20	Stainless steel / Hardened	...-070-1213	...-070-1404	...-070-1213	...-070-1404	...-070-1673
1.20	Stainless steel / Hard chrome-plated	...-070-1314	...-070-1393	...-070-1314	...-070-1393	-
1.20	Tungsten carbide	...-070-0853	...-070-0647	...-070-0853	...-070-0647	-
1.20	Plastic	...-070-2154	-	...-070-2154	-	...-070-2381
1.50	Aluminium / Hard coated	...-070-1299	-	...-070-1299	-	-
1.50	Stainless steel	...-070-0286	...-070-0723	...-070-0286	...-070-0723	...-070-0326
1.50	Stainless steel / Protruding needle, hardened	-	...-070-1767	-	...-070-1767	-
1.50	Stainless steel / Protruding needle, hard chrome-plated	-	...-070-1758	-	...-070-1758	-
1.50	Stainless steel / Protruding needle	...-070-0825	...-070-0533	...-070-0825	...-070-0533	-

Automatic spray guns,
classified by size

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Cup type		HS 25	Perfekt 4	Mignon 3	Dekor	Rasant	Equi-pressure	Gravity	
Suction cup	Capacity								Order no.
Aluminium, polished	1000 ml					x			5611-090-2398
	1000 ml	x	x						5613-090-0366
	750 ml	x	x						5612-090-0365
Plastic	600 ml	x	x						5615-090-0367
Glass	20 ml				x				5620-080-0483
Pressure cup	Capacity								Order no.
Aluminium, polished	2000 ml						x		0506-090-1390
	1000 ml						x		0506-090-0396
	750 ml							x	0502-090-1348
	500 ml							x	0502-090-0370
	250 ml							x	0502-090-1350
Gravity cup UNI	Capacity								Order no.
Aluminium, polished	1000 ml	x	x						5501-090-0356
	750 ml	x	x						5501-080-0553
	500 ml	x	x						5501-090-0354
	250 ml			x					5501-080-3168
	250 ml	x	x						5501-090-0353
	120 ml			x					5501-080-3169
	40 ml				x				5501-090-0107
Copper, nickel-plated	500 ml	x	x						5504-090-0357
	40 ml				x				5504-090-0106
Plastic	500 ml	x	x						5507-090-0371
	300 ml			x					5507-030-2980
	125 ml			x					5507-080-3171
	65 ml			x					5507-080-3192
Brass, nickel-plated	10 ml				x				5504-090-0105
	3 ml				x				5504-090-0104
	1 ml				x				5504-090-0103
Gravity cup NORMA	Capacity								Order no.
Aluminium, polished	500 ml	x	x						5502-090-0360
	170 ml	x	x						5502-090-0359
Brass, nickel-plated	500 ml	x	x						5505-090-0362
	250 ml	x	x						5505-090-0361
	65 ml			x					5505-080-3170





Nozzle extensions

Nozzle extensions are available in various sizes for different handheld and automatic spray guns.

The size required generally depends on the thread size of the nozzle system. Please make a note of the appropriate connection thread.

The lengths listed in the chart are standard lengths. Intermediate lengths and longer lengths are available on request. In the case of longer nozzles than those listed in the chart, the external dimensions will differ, as the external tubes need to be bigger and additional reinforcements and needle centering devices need to be fitted.

Please always specify the following when ordering:

Spray gun type

Article no. of extension

Spraying mode

Nozzle borehole

Desired length A

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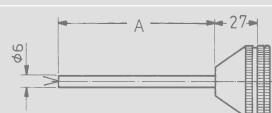
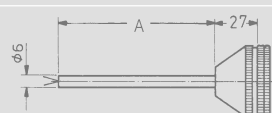
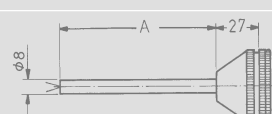
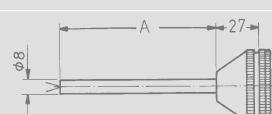
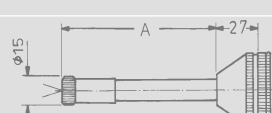
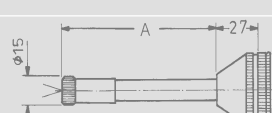
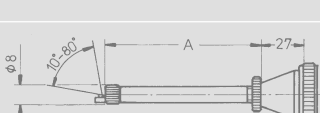
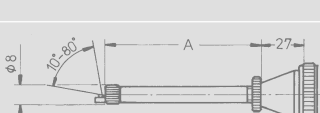
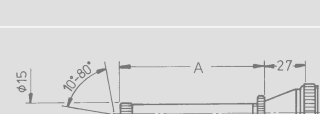
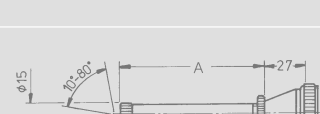
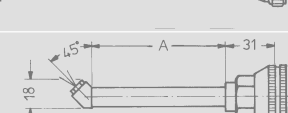
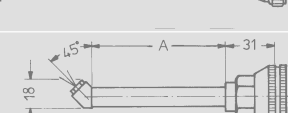
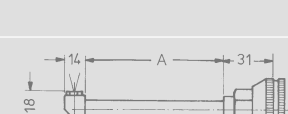
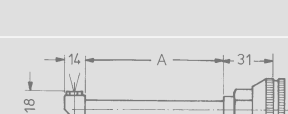


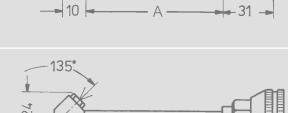
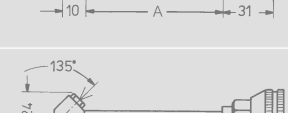




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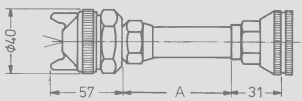
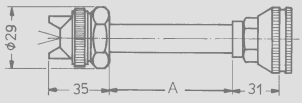
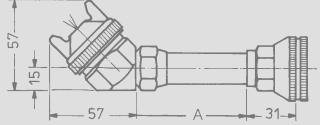
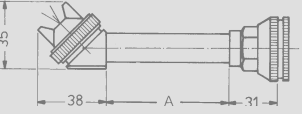
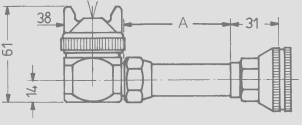
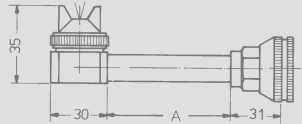
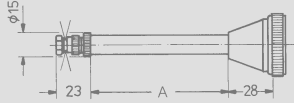
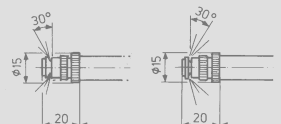
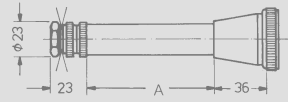
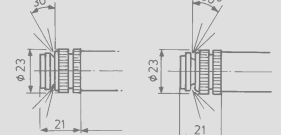
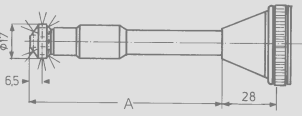
Extensions for Mignon		Flat jet	Circular jet	Rotary jet	Radial jet	Available nozzle sizes in mm															
Connection thread M 24 x 1						0.2	0.3	0.5	0.65	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
	Article no.																				
	090-1775		+			+	+	+		+											
	090-1781		+	+			+	+	+	+	+	+									
	090-1786		+	+			+	+	+	+	+	+	+	+		+					
	090-1848		+			+	+	+	+	+	+										
	090-1818		+			+	+	+		+	+	+	+	+							
	090-1828		+			+	+	+		+											
	090-1819		+			+	+	+		+	+	+	+	+							
	090-1829		+			+	+	+		+											
	090-1820		+			+	+	+		+	+	+	+	+							
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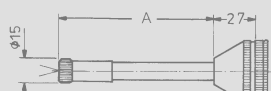

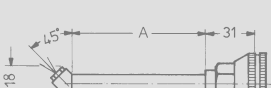
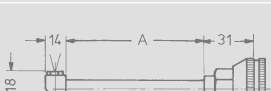
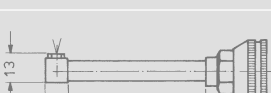


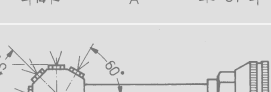

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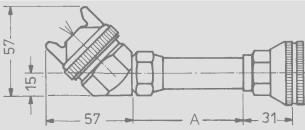
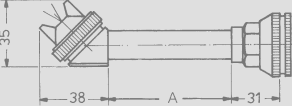
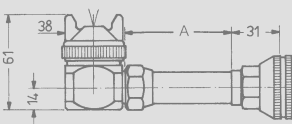
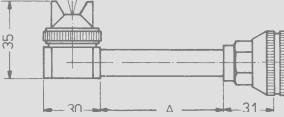
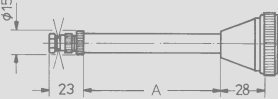
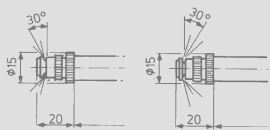
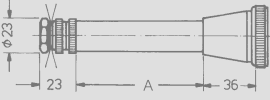
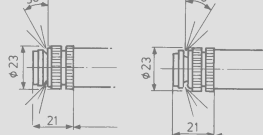
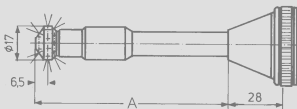
Extensions for Mikro		Article no.	Flat jet	Circular jet	Rotary jet	Radial jet	Available nozzle sizes in mm															
Connection thread M 24 x 1							0.2	0.3	0.5	0.65	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
		090-1775	+				+	+	+		+											
		090-1781	+		+			+	+		+	+	+									
		090-1786	+		+			+	+		+	+	+	+	+							
		090-1848	+					+	+		+	+	+									
		090-1818	+				+	+	+		+	+	+	+	+							
		090-1828	+				+	+	+		+											
		090-1819	+				+	+	+		+	+	+	+	+							
		090-1829	+				+	+	+		+											
		090-1820	+				+	+	+		+	+	+	+	+							
		090-1821	+				+	+	+		+	+	+	+								
		090-1830	+				+	+	+		+											

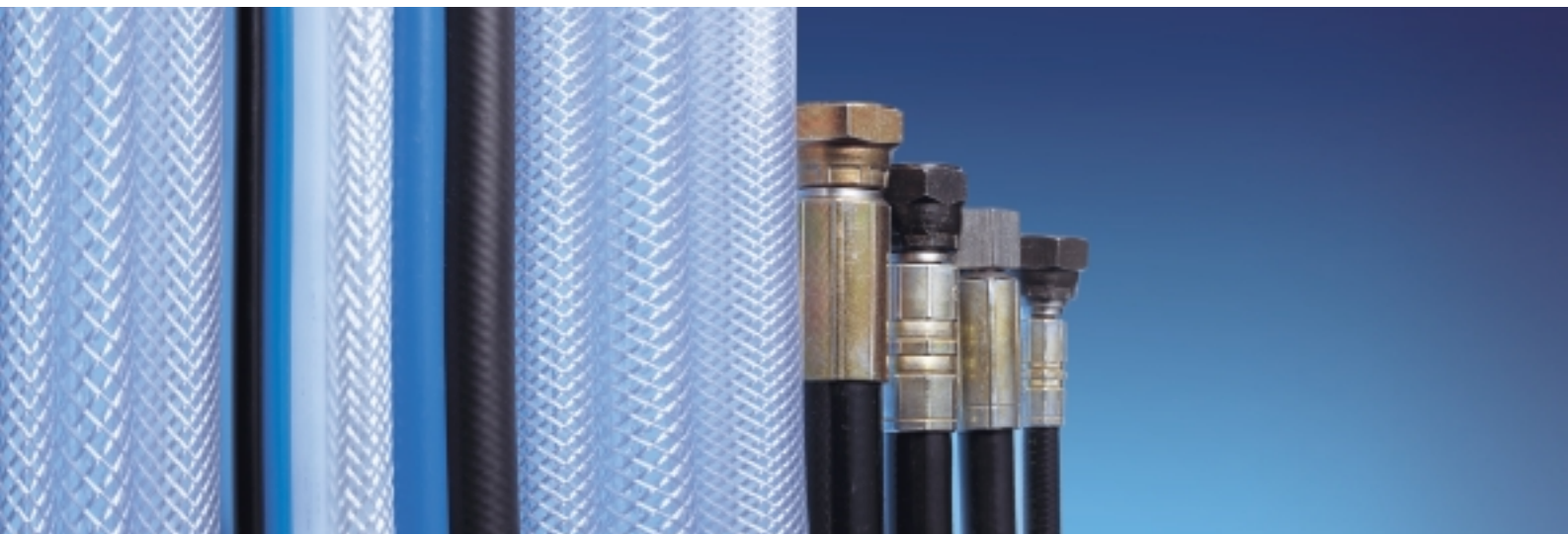
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Extensions for HS 25, Perfekt		Flat jet	Circular jet	Rotary jet	Radial jet	Available nozzle sizes in mm															
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	Article no.																				
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	090-1855		+	+						+	+	+	+	+	+						
	090-1855		+	+						+	+	+	+	+	+						
	090-1929		+	+						+	+	+	+	+	+		+				
	090-1929		+	+						+	+	+	+	+	+		+				
	090-2161		+							+	+	+									
	090-2161		+							+	+	+									
	090-2349		+							+	+	+	+	+	+		+				
	090-2349		+							+	+	+	+	+	+		+				
	090-1951		+							+	+	+	+	+	+		+				
	090-1951		+							+	+	+	+	+	+		+				
	090-1952		+							+	+	+	+	+	+		+				
	090-1952		+							+	+	+	+	+	+		+				
	090-2111		+							+											
	090-2111		+							+											
	090-1953		+							+	+	+	+	+	+		+				
	090-1953		+							+	+	+	+	+	+		+				
	090-1954		+							+	+	+	+	+	+						
	090-1954		+							+	+	+	+	+	+						
	090-1955		+							+	+	+	+	+							
	090-1955		+							+	+	+	+	+							

Extensions for HS 25, Perfekt		Flat jet	Circular jet	Rotary jet	Radial jet	Available nozzle sizes in mm															
Connection thread M 36 x 1						0.2	0.3	0.5	0.65	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
Article no.																					
	090-2196	+	+	+				+		+	+	+	+	+	+	+	+	+	+		
	090-2313	+	+					+	+	+	+	+	+								
	090-2197	+	+	+				+		+	+	+	+	+	+	+	+	+	+		
	090-2314	+	+					+	+	+	+	+	+								
	090-2198	+	+	+				+		+	+	+	+	+	+	+	+	+	+		
	090-2316	+	+					+	+	+	+	+	+								
	090-1889				+					Radial jet											
	090-1889				+					Radial jet											
	090-1223				+					Radial jet											
	090-1223				+					Radial jet											
	090-2326									Golf-ball jet											

Extensions for A 7, A 10		Article no.	Flat jet	Circular jet	Rotary jet	Radial jet	Available nozzle sizes in mm															
Connection thread M 36 x 1							0.2	0.3	0.5	0.65	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
		090-1854		+						+												
		090-1855		+	+					+	+	+	+	+	+		+					
		090-1929		+	+				+	+	+	+	+	+	+		+					
		090-2349		+					+		+	+	+	+	+		+					
		090-1951		+					+		+	+	+	+	+		+					
		090-1952		+					+		+	+	+	+	+		+					
		090-2111		+					+		+											
		090-1953		+					+		+	+	+	+	+		+					
		090-1954		+					+		+	+	+	+	+							
		090-1955		+					+		+	+	+	+	+							
		090-2196	+	+	+				+		+	+	+	+	+	+	+	+	+	+	+	+

Extensions for A 7, A 10		Flat jet	Circular jet	Rotary jet	Radial jet	Available nozzle sizes in mm															
Connection thread M 36 x 1						0.2	0.3	0.5	0.65	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.5	6.0
	090-2313	+	+					+	+	+	+	+	+								
	090-2197	+	+	+				+		+	+	+	+	+	+	+	+	+			
	090-2314	+	+					+	+	+	+	+	+								
	090-2198	+	+	+				+		+	+	+	+	+	+	+	+	+			
	090-2316	+	+					+	+	+	+	+	+								
	090-1889				+																
	090-1889				+																
	090-1223				+																
	090-1223				+																
	090-2326																				



8 | 5.1.1. 1

Air hose, 2-fold air					
Material	NW/mm	bar/max.	Outer dia./mm	Colour	Order no.
PU	2.9	7.0	4.3	Black / Blue	100-0438
PU	3.9	7.0	6.1	Black / Blue	100-0440
Air hose					
Material	NW/mm	bar/max.	Outer dia./mm	Colour	Order no.
Rubber	6.0	12.0	13.0	Black	100-0451
PA	2.0	45.0	4.0	Transparent	100-0436
PA	2.7	17.0	4.0	Blue	100-0435
PE	2.0	15.0	4.0	Transparent	100-0437
PE	4.0	12.0	6.0	Blue	100-0322
PE	4.0	12.0	6.0	Transparent	100-0377
PE	6.0	8.0	8.0	Transparent	100-0338
PE	6.0	8.0	8.0	Blue	100-0378
PE	8.0	6.0	10.0	Transparent	100-0825
PE	8.0	6.5	10.0	Blue	100-0444
PE	8.0	8.0	10.0	Transparent	100-0445
PU	3.0	8.0	5.0	Black	100-0439
PVC	4.0	6.0	6.0	Transparent	100-0383
PVC	6.0	6.0	8.0	Transparent	100-0386
PVC	6.0	23.0	12.0	Transparent	100-0400
PVC	8.0	6.0	10.0	Transparent	110-0130
PVC	8.0	22.0	14.0	Transparent	100-0401
PVC	8.0	25.0	10.2	Blue	100-0504
PVC	9.0	25.0	11.6	Blue	100-0381
PVC	10.0	17.0	16.0	Transparent	100-0403
PVC	13.0	13.0	20.0	Transparent	100-0404
PVC	13.0	25.0	17.6	Blue	100-0382
PVC	13.0	25.0	17.5	Blue	110-0132
PVC	19.0	11.0	26.0	Transparent	100-0405

Material hose					
Material	NW/mm	bar/max.	Outer dia./mm	Colour	Order no.
EPDM	9.0	20.0	R3/8"	Green	100-0416
EPDM	13.0	20.0	R1/2"	Green	100-0417
EPDM	19.0	35.0	R3/4"	Black	100-0415
PA	3.0	17.5	4.3	Transparent	100-0339
PA	3.0	17.5	4.3	Transparent	110-0131
PA	3.0	33.0	5.0	White	100-0389
PA	3.0	33.0	5.0	Blue	100-0390
PA	3.0	33.0	5.0	Black	100-0391
PA	3.0	34.0	5.0	Natural	100-0421
PA	4.0	27.0	6.0	White	100-0398
PA	6.0	19.0	8.0	Transparent	100-0399
PA	6.0	19.0	8.0	Transparent	110-0133
PA	6.4	20.0	10.4	Transparent	100-0709
PA	8.0	12.0	10.0	Blue	100-0453
PA	8.0	15.0	10.0	White	100-0422
PA	8.0	18.0	12.0	Transparent	100-0712
PA	9.0	19.0	12.0	White	100-0450
PA	9.6	15.0	14.0	Transparent	100-0715
PA	10.0	12.0	12.0	White	100-0411
PA	10.0	15.0	15.0	White	100-0412
PA	10.0	35.0	R3/8"	Black	100-0413
PA	13.0	35.0	R1/2"	Black	100-0414
PTFE	4.0	10.0	6.0	White	100-0827
PTFE	6.0	10.0	8.0	White	100-0824
PVC	40.0	pressureless	50.0	Transparent	100-0539
Material spiral hose					
Material	NW/mm	bar/max.		Colour	Order no.
PA	PK-6 / 8 W/m	15		Blue	100-0395
PA	PK-9 / 6 W/m	15		Red	100-0396
PA	PK-9 / 6 W/m	15		Yellow	100-0397

Heated

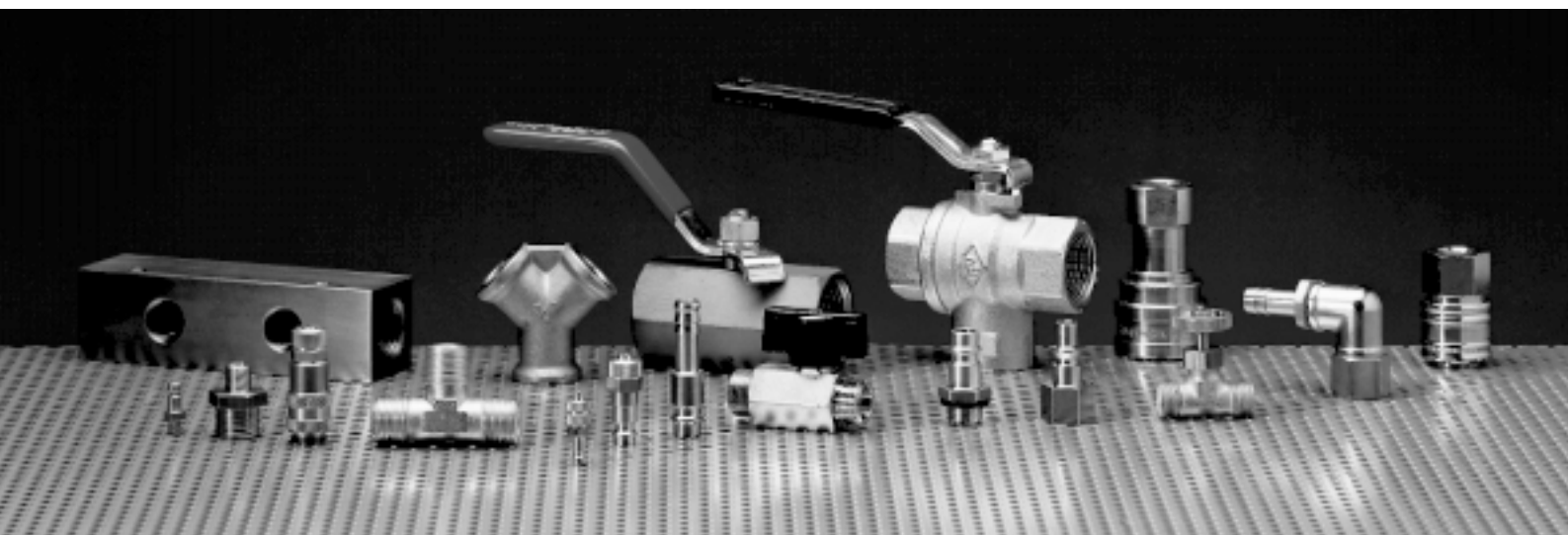
Material	NW/mm	L/m	bar/max.	Colour	Sheath	Sheath mat.	Order no.	Remarks
PA	1/4"	10.0	310	Black	G1/4" IG	Steel, galv.	110-0109	Consists of 2 hoses with the same dimensions
PA	3/8"	5.0	240	Black	G3/8" IG	Steel, galv.	110-0114	Consists of 2 hoses with the same dimensions
PA	3/8"	10.0	240	Black	G3/8" IG	Steel, galv.	110-0115	Consists of 2 hoses with the same dimensions

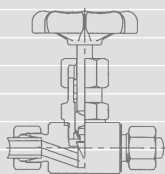
DUO fine spray

Material	NW/mm	L/m	bar/max.	Colour	Sheath	Sheath mat.	Order no.	Remarks
PA	4	5.0	340	Black	G1/4" IG	Steel, galv.	110-0100	incl. air hose, d6 x 13, max. 12 bar
PA	6	5.0	240	Black	G3/8" IG	Steel, galv.	110-0014	Consists of 2 hoses with the same dimensions
PA	6	7.5	310	Black	G1/4" IG	Steel, galv.	110-0023	incl. air hose, d6 x 13, max. 12 bar
PA	6	10.0	310	Black	G1/4" IG	Steel, galv.	110-0099	incl. air hose, d6 x 13, max. 12 bar
PA	6	15.0	310	Black	G1/4" IG	Steel, galv.	110-0134	incl. air hose, d6 x 13, max. 12 bar

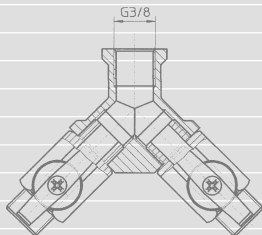
TFP-1

Material	NW/mm	L/m	bar/max.	Colour	Order no.	Remarks
PA	3	3.0	17.5	Transparent	110-0015	incl. air hose, d6 x D8, max. 8 bar, PE
PA	3	3.0	17.5	Transparent	110-0097	incl. air hose, d6 x D8, max. 8 bar, PE with anti-kink spring
PA	3	5.0	17.5	Transparent	110-0027	incl. air hose, d6 x D8, max. 8 bar, PE
PA	3	5.0	17.5	Transparent	110-0098	incl. air hose, d6 x D8, max. 8 bar, PE with anti-kink spring
PA	3	10.0	17.5	Transparent	110-0096	incl. air hose, d6 x D8, max. 8 bar, PE
PA	3	10.0	17.5	Transparent	110-0095	incl. air hose, d6 x D8, max. 8 bar, PE with anti-kink spring

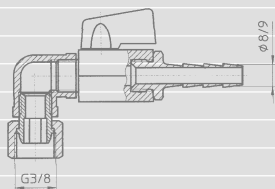




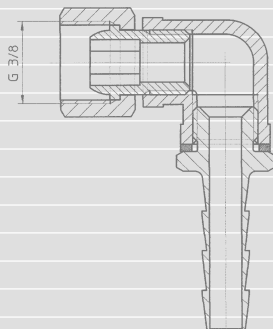
Shutoff valve
 Connection Brass
 1/4" AG with internal cone NW 3.5 030-0967



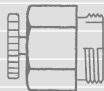
Branch valve
 Connection Brass
 3/8" IG / AG - NW 8, 2-fold outlet 130-0098
 3/8" IG / AG - NW 8, 3-fold outlet 130-0099



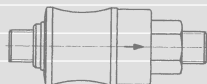
Connection valve
 Connection Brass
 3/8" IG, with hose nozzle 8/9 130-0102



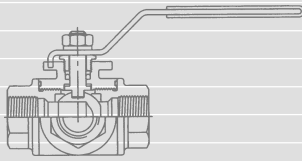
Connecting angle, complete
 Connection Brass
 3/8" IG x NW 8/9 030-2469



Drain valve
 Connection Brass
 1/8" AG 130-0105
 1/4" AG 130-0106

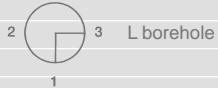


Hand-operated gate valve
 Connection Aluminium, blue
 G 1/4" IG 030-2313

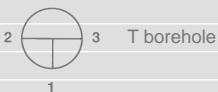
**Valves****Three-way valve, long handle**

Brass, nickel-plated, max. 16 bar

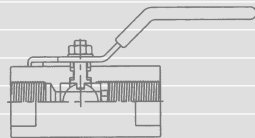
Connection	L borehole
G 1/4" IG	030-0948

**Valves****Three-way valve, brass**

Connection	L borehole	T borehole
1/2" IG	030-0949	-
3/4" IG	-	030-0956

**Valves****Three-way valve, stainless steel**

Connection	L borehole	T borehole
1/2" IG	030-3806	030-3804

**Valves****Ball valve**

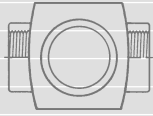
	Brass	Brass nickel-plated	Brass chrome-plated
Connection			
G 1/8" AG / IG	-	-	030-0963
G 1/4" IG / AG	030-0945	-	030-0974
G 1/4" IG	-	030-0946	030-0985
G 1/4" AG	-	030-0982	030-3096
G 3/8" AG	-	030-0983	-
G 3/8" IG / AG	-	030-0947	-

Valves**Ball valve, long handle**

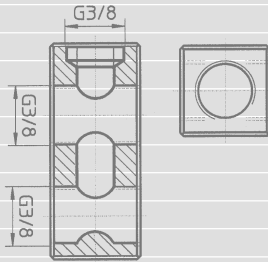
Brass, nickel-plated	40 bar	50 bar	60 bar	64 bar	500 bar
Connection					
G 1/2" IG / AG	-	-	030-0977	-	-
G 3/4" IG / AG	-	030-0979	-	-	-
G 1" AG / IG	030-0984	-	-	-	-
Brass, chrome-plated	40 bar	50 bar	60 bar	64 bar	500 bar
Connection					
G 3/8" AG	-	-	-	030-0981	-
G 1/2" IG / AG	-	-	-	030-0978	-

Valves**Ball valve, long handle**

St. steel	40 bar	50 bar	60 bar	64 bar	500 bar
Connection					
G 1/4" IG	030-0968	-	-	-	030-0961
G 3/8" IG	030-0969	-	-	-	-
G 1/2" IG	030-0970	-	-	-	-
G 3/4" IG	030-0971	-	-	-	-
G 1" IG	030-0972	-	-	-	-
G 1/4" AG	-	-	-	-	030-0960

**Air / Material distributor****Cross-type distributor**

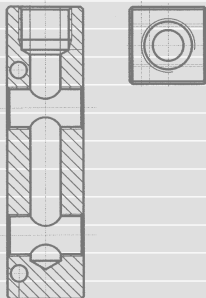
Connection	Brass
4 x G 1/4" IG	030-2128

**Air / Material distributor****Air distributor**

Connection	Aluminum
4 x G 3/8" IG - 1 x G 1/2" IG	030-2666
6 x G 3/8" IG - 1 x G 1/2" IG	030-2662

Air / Material distributor**Material distributor**

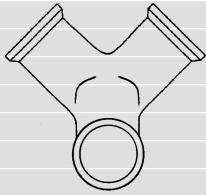
Connection	Brass	Aluminium
3 x G 3/8" IG - 1 x G 1/2" IG	030-2668	-
4 x G 1/8" IG - 1 x G 1/4" IG	030-2670	-
5 x G 1/4" IG	-	030-2676
6 x G 1/4" IG - 1 x G 1/2" IG	-	030-2673
9 x M 5 IG - 1 x G 1/8" IG	-	030-2677

**Air / Material distributor****Material distributor, max. 500 bar**

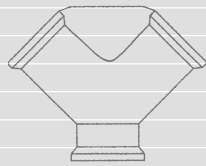
Connection	Brass	Aluminum	Stainless steel
4 x G 1/4" IG - 1 x G 3/8" IG	-	-	040-2031
4 x G 3/8" IG - 2 x G 1/2" IG	040-2666	-	040-2667
4 x G 3/8" IG - 2 x G 3/8" IG	-	030-2680	-
6 x G 3/8" IG - 2 x G 1/2" IG	040-2664	-	040-2665

**Air / Material distributor****Distributor**

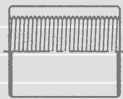
Connection	Steel, galv.	Brass	Brass nickel-plated	Stainless steel
1 x G 1/4" IG - 1 x G 1/8" IG - 1 x G 1/4" AG	-	030-2123	-	-
1 x G 1/2" IG - 2 x G 3/4" IG	-	-	-	030-2506
2 x G 3/8" IG - 1 x G 3/8" AG	-	030-2124	-	-
2 x G 1/4" IG - 1 x G 1/4" AG	-	030-2122	-	-
2 x G 1/4" IG - 1 x G 1/4" AG	030-2556	-	-	-
3 x G 1/4" IG T-piece	-	030-2126	030-2127	-
3 x G 1/4" IG T-distributor	-	030-2166	-	030-2503
3 x G 3/8" IG free-passage T-distributor	-	-	-	030-2504
3 x G 3/8" IG reduced DN 10 T-piece	-	030-2167	-	040-3195
3 x G 1/2" IG	-	-	030-3115	-
3 x G 3/4" IG	-	-	-	030-3803
3 x G 1" IG	030-2546	-	-	-
3 x G 1/4" AG	-	030-2169	-	-
3 x G 3/8" AG	-	030-2170	-	-
3 x G 1/2" AG	-	-	-	-
4 x G 3/8" IG	030-2574	-	-	-
4 x G 1/2" IG	030-2573	-	-	030-2505

**Air / Material distributor****Angle distributor**

Connection	Steel, galvanised
3 x G 3/8" IG	030-2570

**Air / Material distributor****Y-distributor**

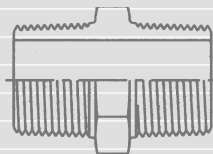
Connection	Steel, galv.	Brass	Brass nickel-plated
2 x G 1/4" IG - 1 x G 1/4" AG	-	-	030-2685
3 x G 1/4" IG	030-2691	-	-
3 x G 3/8" IG	-	030-2688	-
4 x G 3/8" IG	-	030-2690	-

**Sockets**

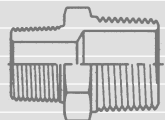
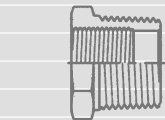
Connection	Brass	Steel, galv.
G 1/4" IG	030-2119	-
G 1/2" IG	030-2121	-
G 3/8" IG	030-2120	-
G 3/4" IG (DIN 2986)	-	030-2625
G 3/4" IG	-	030-2588
G 1" (DIN 2986)	-	030-2626
G 1/8" x 1/4" IG	030-2114	-

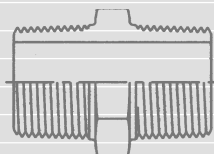
**Half Sockets**

Connection	Steel, galv.
G 3/4" IG (DIN 2986)	030-3744

**Nippel****Doppelnippel**

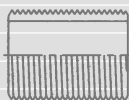
Connection	Steel, galv.	Brass	Brass nickel-pl.	Brass chem. nickel-pl.	Stainless steel	SW/NW
M 5 AG *	-	030-2232	-	-	-	SW 7
M 7 x 0,75 AG - G 1/8" IG *	-	-	-	040-2611	-	SW 13
M 12 IG x 1 - 18 x 1	-	-	-	-	040-0362	SW 24
G 1/8" AG	-	-	-	-	040-2349	SW 14
G 1/8" AG	-	030-2233	-	-	-	SW 14
G 1/8" AG - M 5 IG	-	030-2185	-	-	-	SW 14
G 1/8" AG - G 1/4" AG	-	030-2198	030-2199	-	-	SW 17
G 1/8" AG - G 3/8" AG	-	030-2200	-	-	-	SW 14
G 1/8" AG - G 1/4" IG *	-	040-0896	-	-	-	SW 17
G 1/8" AG - G 1/4" AG	-	-	-	-	030-2487	SW 14
G 1/8" AG - G 3/8" AG	-	-	-	-	040-1810	SW 13
G 1/4" AG	-	-	-	-	030-2495	SW 19
G 1/4" AG * (internal cone at one end)	-	-	-	-	040-0582	SW 19
G 1/4" AG *	-	030-2235	-	030-2236	-	SW 17
G 1/4" AG * (hex socket 7 mm)	-	030-2239	030-2237	030-2238	-	Hex socket
G 1/4" AG - M 5 IG	-	030-2186	-	-	-	SW 14
G 1/4" IG - M 5 IG „	-	030-2146	-	-	-	SW 17
G 1/4" AG - G 1/8" IG	-	030-2187	-	-	030-2483	SW 17
G 1/4" AG - G 3/8" AG	-	030-2201	-	030-2202	-	SW 19
G 1/4" AG - G 3/8" AG	-	-	-	-	040-0601	SW 22
G 1/4" AG - G 3/8" IG	-	030-2184	-	-	-	SW 19



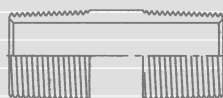
**Nipples****Double nipple**

Connection	Steel, galv.	Brass	Brass nickel-pl.	Brass chem. nickel-pl.	Stainless steel	SW/NW
G 1/4" AG - G 1/2" AG	-	-	-	-	030-2489	SW 27
G 1/4" AG - 19/32 x 18 Gg AG	-	-	-	-	040-2569	SW 19
G 3/8" AG	-	-	-	-	040-0061	SW 22
G 3/8" AG *	-	030-2175	-	-	-	SW 19
G 3/8" IG - AG *	-	030-2173	-	-	-	SW 19
G 3/8" AG - G 1/2" IG	-	030-2188	-	-	-	SW 19
G 3/8" AG - M 16 x 1,5 IG *	-	-	-	-	040-3588	SW 19
G 3/8" IG - G 1/4" AG	030-2592	-	-	-	-	Reduction bushing
G 3/8" AG - G 1/4" IG	-	030-2189	-	030-2190	030-2484	SW 19
G 3/8" AG - G 1/2" AG	-	030-2205	-	030-2206	-	SW 24
G 3/8" AG x G 1/2" IG *	-	030-2182	-	-	030-3986	SW 24
G 3/8" AG - G 3/4" AG	-	030-2141	-	030-2142	040-1997	SW 24
G 1/2" AG * (internal cone at both ends)	-	-	-	-	030-2496	SW 27
G 1/2" AG *	-	030-1991	-	030-2178	-	SW 24
G 1/2" AG ***	030-2480	-	-	-	-	SW 27
G 1/2" AG x M 20 x 1 AG	-	-	040-1567	-	-	SW 25
G 1/2" AG - G 3/4" AG	-	030-2143	-	-	-	SW 32
G 1/2" AG - G 3/4" AG	-	-	-	-	030-2492	SW 32
G 1/2" AG - G 3/4" AG	-	-	-	-	040-0600	SW 27
G 1/2" AG - G 1/4" IG	-	030-2191	-	-	-	SW 24
G 1/2" AG - G 3/8" IG	-	030-2193	-	030-2192	-	SW 22
G 1/2" AG - G 3/8" IG	-	-	-	-	030-2485	SW 22
G 1/2" AG - G 1/4" IG	-	-	-	-	030-3360	SW 22
G 3/4" AG	-	-	-	-	040-0966	SW 32
G 3/4" AG * (internal cone at one end)	-	040-0963	-	-	-	SW 32
G 3/4" AG * (internal cone at both ends)	-	030-2180	-	-	-	SW 32
G 3/4" AG - G 1/2" AG	-	-	-	040-0915	-	SW 27
G 3/4" AG - M 36 x 1,5 AG	-	-	-	-	040-4540	SW 27
G 3/4" AG - G 1/2" IG	-	030-2195	-	-	-	SW 32
G 3/4" AG - G 1/2" IG	-	-	-	040-0916	-	Screw-in part
G 3/4" AG - G 1/2" IG	-	-	-	030-2196	-	SW 36
G 3/4" AG - G 1/2" IG	-	-	-	-	030-2486	SW 32
G 1" AG	-	-	-	-	030-2497	SW 36
G 1" AG - G 3/4" AG	-	040-0942	-	-	040-0943	SW 36
G 1" AG - G 3/4" IG	-	030-2197	-	-	-	SW 36
G 1" AG **	030-2603	-	-	-	-	SW 36

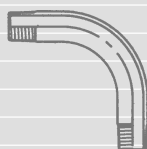
* with internal cone ** with conical AG *** with cylindrical thread

**Pipe nipple, size 7**

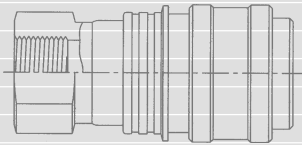
Connection	Steel, galvanised	SW/NW
1/4" AG x 13	040-1167	NW 7

**Pipe double nipple**

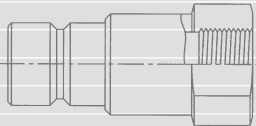
Connection	St. steel	St. steel
60 mm	100 mm	
G 1/2" AG	030-2513	030-2514

**Pipe bend 90°**

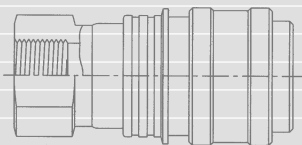
Connection	Steel, galvanised	St. steel
G 1/2" AG	-	030-2517
G 3/4" AG	-	030-2518
G 3/4" IG - AG	030-2020	-
G 1" AG, short	-	030-2519
G 1" AG, long	-	030-2520

**Fast screw coupling**

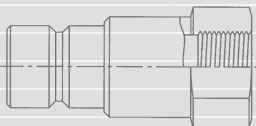
Brass	Size 5	Size 9	Size 12	Size 13
Connection				
G 1/8" IG	-	030-2277	-	-
G 1/8" AG	030-2300	030-2275	-	-
G 1/4" IG	-	030-2278	030-2330	-
G 1/4" AG	-	030-2276	-	-
G 3/8" IG	-	-	030-2331	030-2321
G 3/8" AG	-	-	030-2332	-
G 1/2" AG	-	-	030-2333	-
PK-3	030-2293	-	-	-
PK-4	030-2294	-	-	-
4 mm x 6 mm	-	030-2281	-	-
Hose 8/9	-	-	030-2335	-

**Seal nipple**

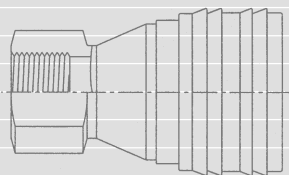
Brass	Size 5	Size 9	Size 12	Size 13
Connection				
PK-3	030-2301	-	-	-
PK-6	-	-	030-2292	-
M 5 AG	030-2297	-	-	-
M 6 x 0,6	-	-	-	-
G 1/8" AG	030-2248	030-2287	-	-
G 1/4" IG	-	-	030-2272	-
G 1/4" AG	-	030-2288	030-2337	-
G 3/8" AG	-	-	030-2273	-
6 x 4 mm	-	030-2285	-	-
8 x 6 mm	-	030-2286	-	-
Steel, galvanised				
G 3/8" AG	-	-	-	030-2322

**Fast screw coupling**

Brass, nickel-plated	Size 5	Size 11	Size 13
Connection			
G 1/4" IG	-	030-2314	-

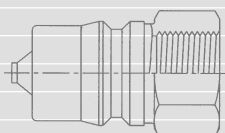
**Seal nipple**

Brass, nickel-plated	Size 5	Size 11	Size 13
Connection			
M 6 x 0,6	040-0817	-	-
G 1/4" IG	-	030-2316	-
G 1/4" AG	-	030-2315	-
Steel, galvanised			
Connection			
Hose 10/11	-	-	030-2328

**Fast screw coupling**

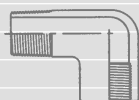
Seal function at both ends

Connection	Brass	Stainless steel
G 3/8" IG	030-2258	030-2264

**Seal nipple**

Seal function at both ends

Connection	Brass	Stainless steel
G 3/8" IG	030-2257	030-2263

**Elbow 90°**

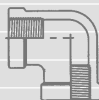
max. 25 bar

Connection	Brass
G 1/4" AG	030-2150

Elbow 90°

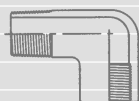
max. 500 bar

Connection	Stainless steel
G 1/4" AG	040-2245
G 3/8" AG	040-0363

**Elbow 90°**

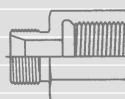
Connection

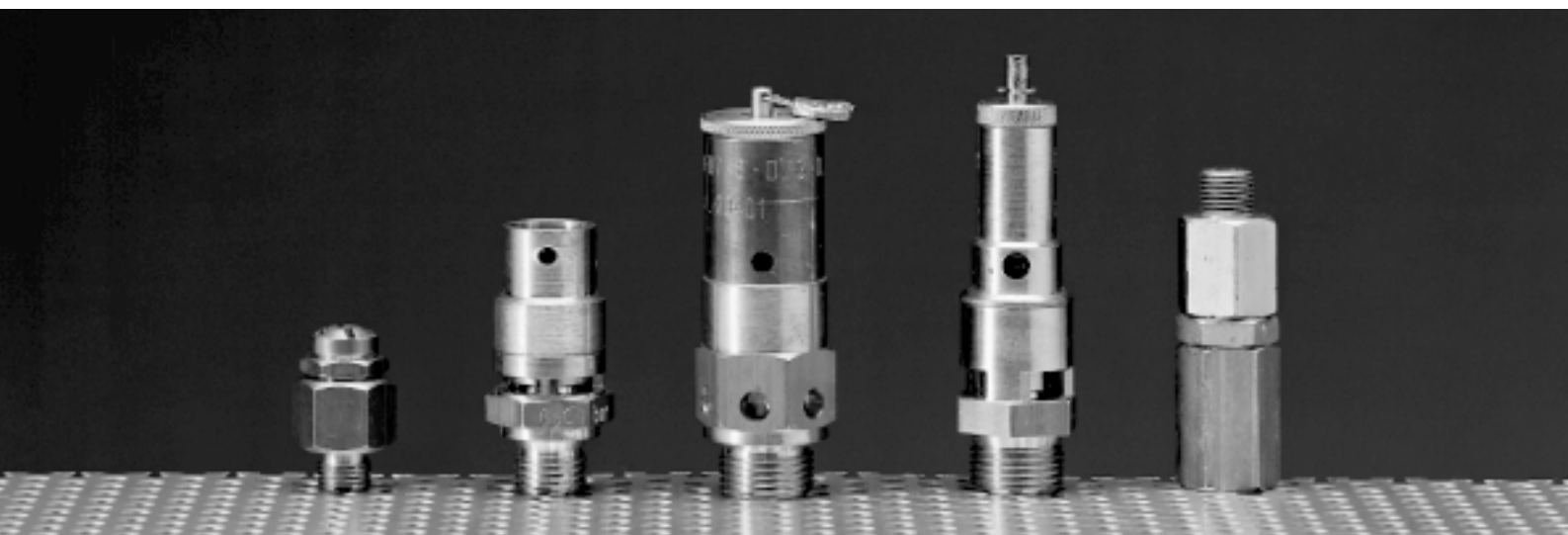
	Steel, galv.	Brass, nickel-plated	Brass	Stainless steel
G 1/8" IG	-	-	030-2156	-
G 1/4" IG	-	030-2160	-	030-2498
G 3/8" IG	030-2524	-	030-2158	030-2499
G 1/2" IG	-	-	030-2159	030-2160
G 3/4" IG	-	-	-	-
G 1/8" AG	-	-	030-2148	-
G 1/4" AG	-	040-0495	-	-
G 3/8" AG	-	-	030-2153	-
G 1/2" AG	-	-	030-2155	-
G 1/8" IG - AG	-	-	030-2161	-
G 1/4" IG - AG	-	030-2163	-	030-2502
G 3/8" IG - AG	-	-	030-2164	-
G 1" IG - AG	030-2533	-	-	-

**M-F coupling**

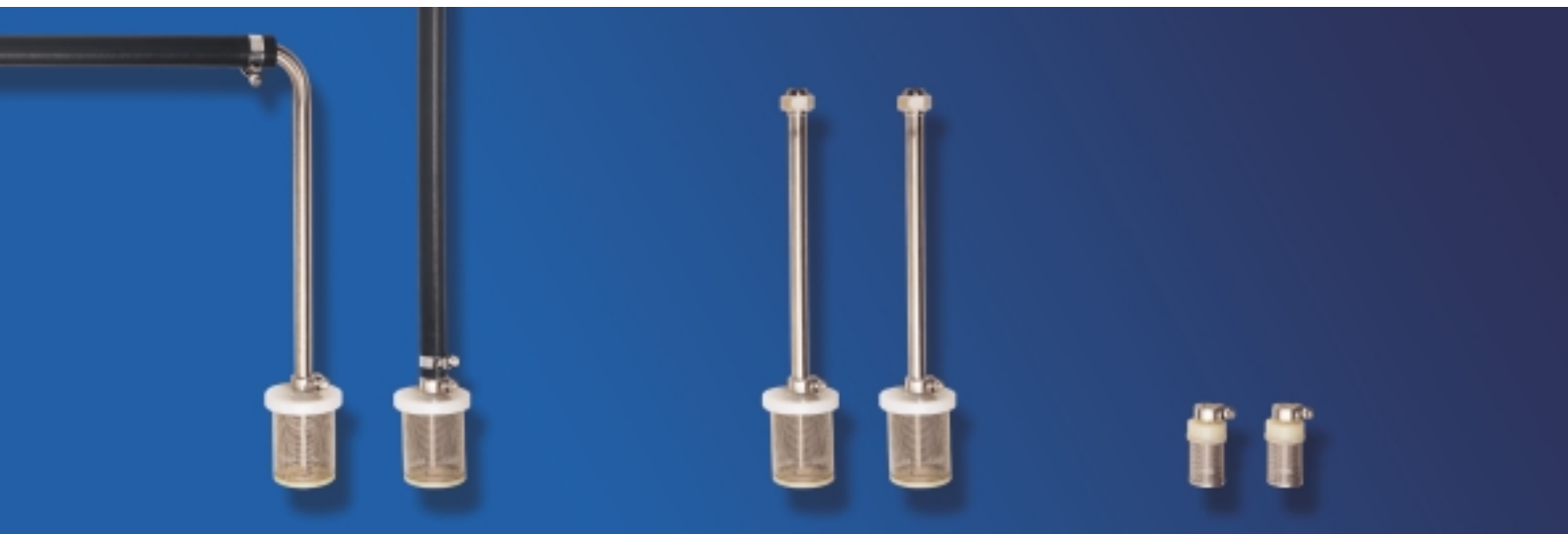
Connection

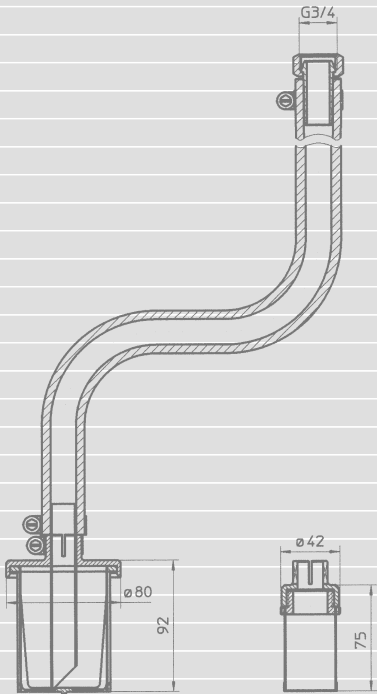
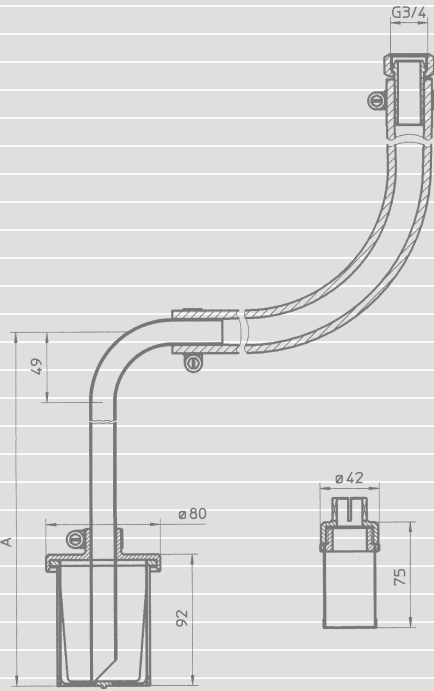
	Steel, galv.	Brass, nickel-plated	Brass	Stainless steel
G 1/2" IG - AG, 30 mm	-	030-2107	030-2108	040-0967
G 3/4" IG - 1/2" AG, 20 mm	030-0708	-	-	-

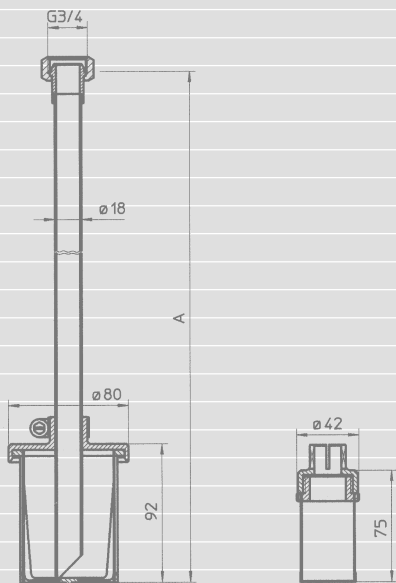




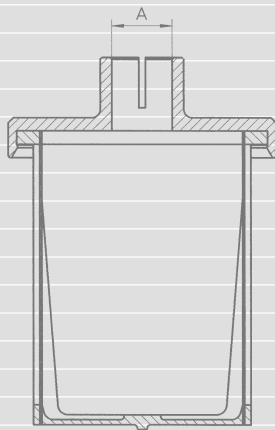
Safety valves, brass, with design test certificate									
Set pressure	1.3	1.5	1.8	2.5	2.8	3.0	4.0	6.0	10.0
G 3/8" AG	130-0084	130-0085	130-0086	130-0088	130-0090	130-0093	130-0094	130-0095	130-0096
G 1/4" AG	-	-	-	-	130-0089	130-0092	-	030-0713	-
G 1/2" AG	-	-	-	-	-	-	-		130-0097
G 1/8" AG	-	-	-	030-2839	-	-	-	-	-
M 12 x 1 AG	-	-	-	-	-	-	-	040-3530	-
Mini safety valves, brass, without design test certificate									
Set pressure	2.5	3.0	6.0	8.0					
G 1/4" AG	130-0087	130-0091	030-2838	130-0179					
G 1/8" AG	-	-	130-0257	-					
Non-return valves, brass									
G 1/8" AG - G 1/8" IG	030-0920								
G 1/4" IG - G 1/4" IG	030-0921								
G 1/4" AG - G 1/4" AG	030-0922								
G 3/8" IG - G 3/8" IG	030-0923								
G 1/2" IG - G 1/2" IG	030-0924								
G 3/4" IG - G 3/4" IG	030-0925								



	Suction unit, complete, with flexible suction hose	Hose length		Suction cage	Suction cage
		in mm		dia. mm	dia. mm
		750		42	80
				080-0778	080-0779
	Suction unit, complete, angled suction pipe, dia. 18 mm, with flexible suction hose	Dimension A	Hose length	Suction cage	Suction cage
		in mm	in mm	dia. mm	dia. mm
		440	750	42	80
		920	1100	080-0288	080-0298
		1100	1000	080-0774	080-0775
				-	080-2331

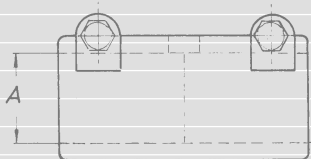


Suction unit	Dimension A	Suction cage	Suction cage
complete, straight suction pipe, dia. 18 mm, without cover panel	in mm	dia. mm	dia. mm
		42	80
	405	090-0125	090-0131
	540	-	090-1278
	640	-	090-1279
	795	090-0126	090-0132
	885	090-0127	090-0133
	940	-	090-1283
	1040	-	090-1284
Suction unit	405	090-0122	090-0128
complete, straight suction pipe, dia. 18 mm, with cover panel (required for mounting on diaphragm pump MP 100)	547	-	090-2844
	795	090-0123	090-0129
	885	090-0124	090-0130



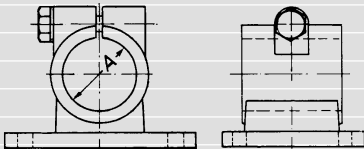
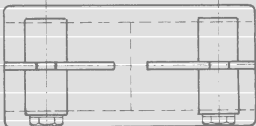
Material screen, complete	For suction Dimension A	Suction cage	Suction cage
	in mm	dia. in mm	dia. in mm
		42	80
	18	080-0014	080-0066
	22	-	080-0624
	33.7	-	080-0625





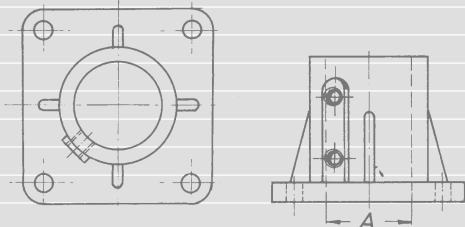
Bushing clamp

Dimension A
in mm
25
030-3144



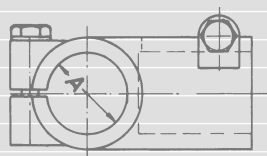
Flange clamp

Dimension A	Dimension A
in mm	in mm
14	25
030-1342	030-1335



Foot clamp

Dimension A	Dimension A
in mm	in mm
14	25
030-1341	030-1334

**Elbow clamp**

Dimension A
in mm

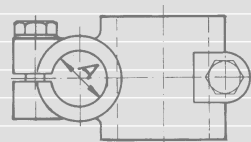
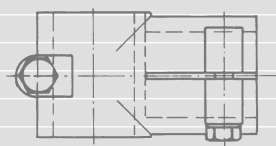
Dimension A
in mm

14

25

030-1340

030-1332

**Cross-type clamp**

Dimension B

Dimension A
14

Dimension A
25

Maß A
30

14

030-1339

-

-

25

030-1336

030-1333

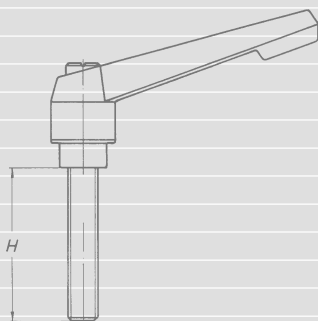
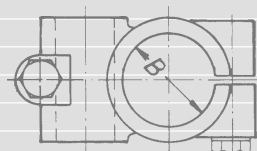
-

40

-

-

030-2031

**Fast-action clamp**

Length H
in mm

Thread
M6

Thread
M8

Thread
M10

25

030-1348

030-1349

-

35

-

030-1350

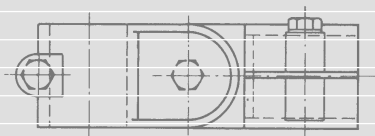
-

70

-

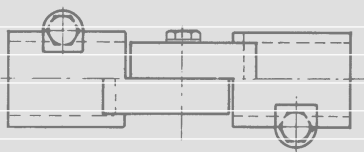
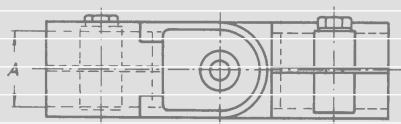
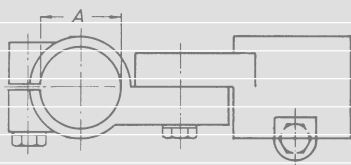
-

030-1351



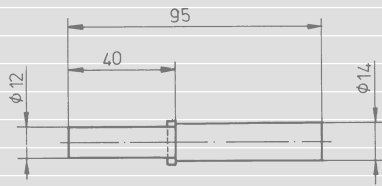
Articulated clamps

Dimension A in mm	Dimension A in mm
14	25
030-1344	030-1337
030-1343	030-1338



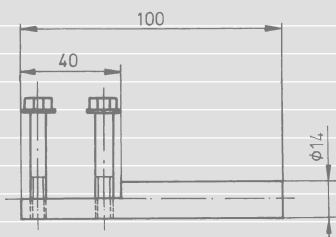
Retaining pipe
Steel

Length L in mm	dia. D in mm 14	dia. D in mm 25	dia. D in mm 60
100	030-1352	030-1357	-
200	030-1353	030-1358	-
300	030-1354	030-1359	-
400	030-1335	030-1360	-
500	030-1356	030-1361	-
600	-	030-1362	-
800	-	030-1363	-
1000	-	030-1365	-
1060	-	030-1367	-
1200	-	030-1368	-
1500	-	030-1369	-
1600	-	030-1370	-
2000	-	030-1371	030-1372



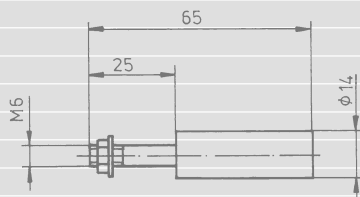
Retaining bolt
Steel, galvanised
for spray guns A 10, A 11, A 12, A 14

Order no. 080-0507



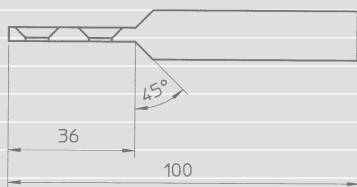
Retaining bolt
Steel, galvanised
for spray guns KAA 1300

Order no. 080-1256



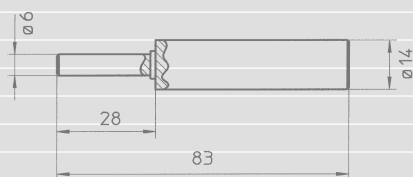
Retaining bolt
Steel, galvanised
for spray guns Mikro

Order no. 080-0474



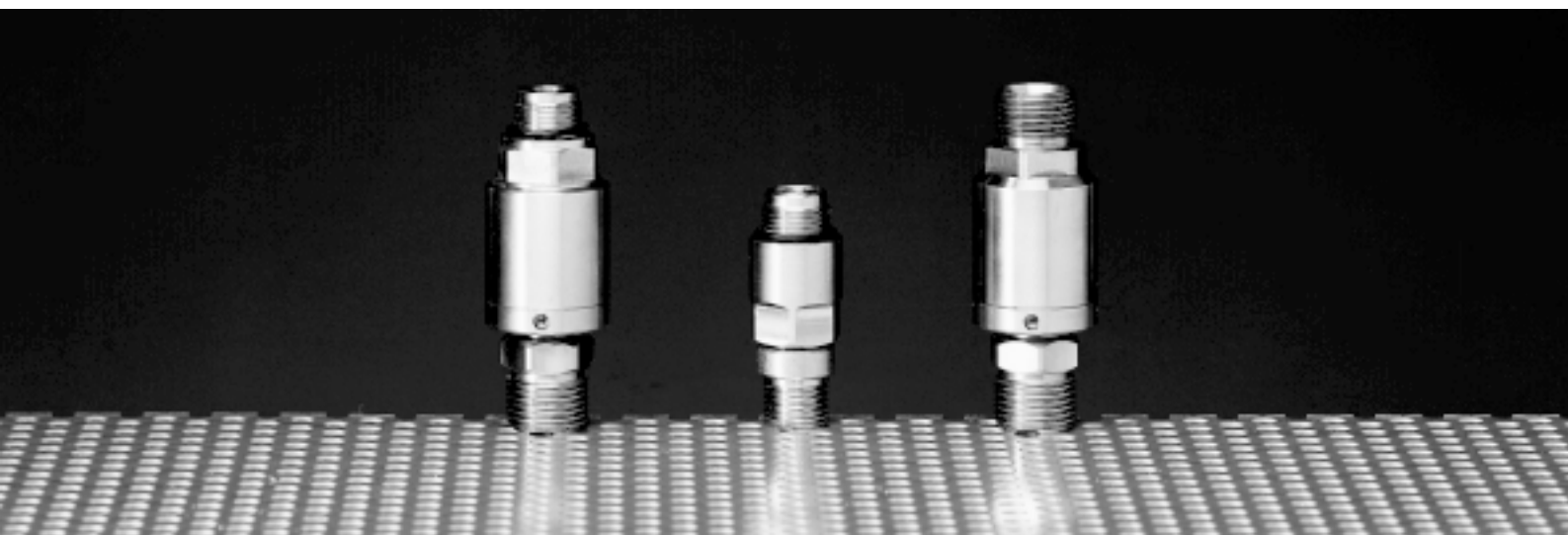
Retaining bolt
Steel, galvanised
for spray guns RA 2

Order no. 080-1358



Retaining bolt
Steel, galvanised
for spray guns M 10, M 14

Order no. 080-3448



[illegible]



Pressure gauges with vertical connection														
dia. in mm	Connection thread	0-1 bar	0-1.6 bar	0-2.5 bar	0-4 bar	0-6 bar	0-10 bar	0-16 bar	0-25 bar	0-40 bar	0-60 bar	0-100 bar	0-160 bar	0-250 bar
40	G 1/8"	-	-	030-1034	-	030-1031	030-1032	030-1033	-	-	-	-	-	-
63	G 1/4"	030-1046	030-1035	030-1036	030-1037	030-1038	030-1039	030-1040	030-1041	030-1042	030-1043	030-1044	030-1045	030-1047
80	G 1/2"	-	-	-	-	-	-	030-1048	-	-	-	-	-	-
100	G 1/2"	-	030-1049	030-1050	030-1051	030-1052	-	-	-	-	-	030-3985	-	-
Pressure gauges with vertical connection, with glycerine filling														
dia. in mm	Connection thread	0-2.5 bar	0-10 bar	0-600 bar										
63	G 1/4"	030-3154	030-1055	030-1056										
Pressure gauges with connection on rear														
dia. in mm	Connection thread	0-1.6 bar	0-2.5 bar	0-4 bar	0-6 bar	0-10 bar	0-16 bar	0-25 bar						
40	G 1/8"	030-3143	-	030-1060	030-1061	030-1063	-	-						
40	G 1/8" *	-	-	030-1058	-	-	-	-						
40	G 1/8" **	-	-	-	030-1062	-	-	-						
40	G 1/8" ***	-	-	030-1059	-	-	-	-						
50	G 1/4"	-	-	-	030-4002	-	030-4003	-						
63	G 1/4"	030-1064	030-1065	030-1066	030-1067	030-1068	030-1069	030-1070						
100	G 1/4"	-	-	-	030-1081	-	-	-						
* marked at 3 bar ** marked at 4 bar *** with adjustable arrow														
Pressure gauges with connection on rear, with glycerine filling														
dia. in mm	Connection thread	0-10 bar												
63	G 1/4"	030-0720												
Pressure gauges with connection on rear, with bracket fastener														
dia. in mm	Connection thread	0-2.5 bar	0-6 bar	0-10 bar										
40	G 1/8"	030-1075	030-1076	030-1077										
63	G 1/4"	030-1078	030-1079	030-1080										
Pressure gauges for installation in control panel														
dia. in mm	Connection thread	0-2.5 bar	0-6 bar	0-10 bar										
63	G 1/4"	030-1071	030-1072	030-1074										



Electric stirrers

The stirrer is driven by an explosion-protected electric motor. The worm and worm gear run in an oil bath, thus ensuring optimum operating reliability.

Compressed air stirrers

The stirrer is driven by a turbine wheel running in ball bearings. The gear wheels running in an oil bath are made of hardened special steel. A built-in throttle valve ensures precision adjustment to suit the operating pressure. Air exit is via a sound absorber.

Manual stirrers

Easy-to-operate hand crank of sturdy design.

Compressed air manual stirrers

Handle the same shape as a gun handle. For stirring and mixing liquid media.

The stirrer blade is fitted with a safety collar and a protective ring.

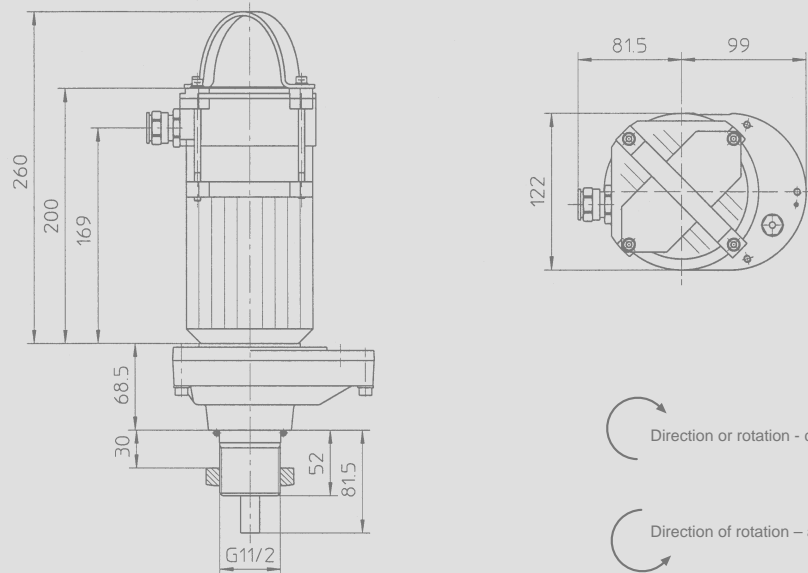
The stirrer shaft is sealed to withstand up to 6 bar in all integrated models, and this permits stirring of media that are under pressure.

The dimensions of the shafts and the size of the stirring blades match the dimensions of the Krautberger material pressure feeding containers.

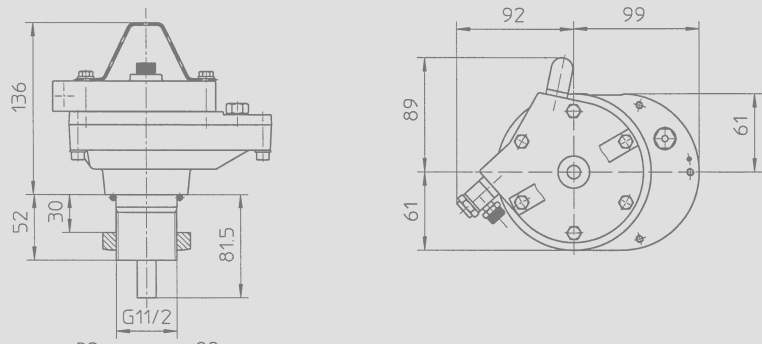
Special versions are also available on request.

Please select the required stirrer by choosing the individual components (drive, stirrer shaft and blades).

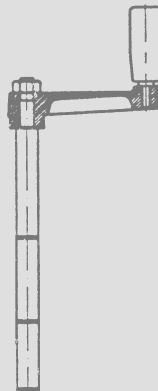
Electric stirrers



Compressed air stirrers

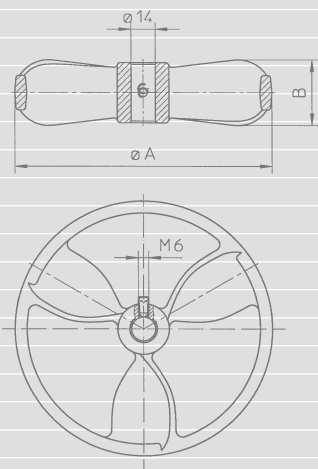


Manual stirrers

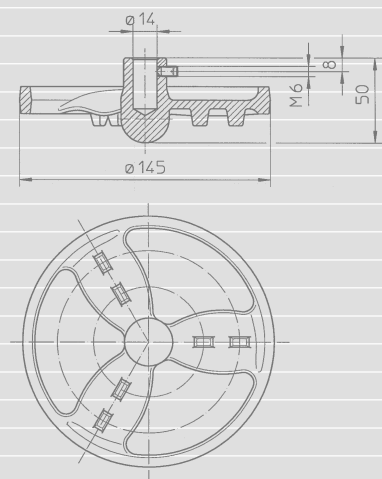


Subject to change

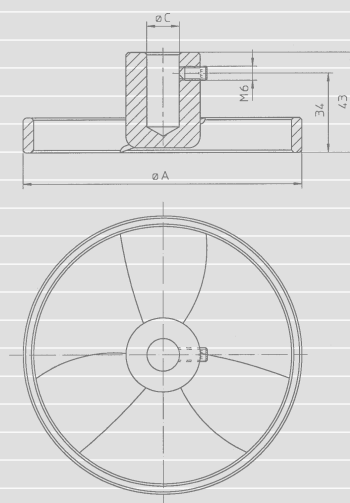
Shafts for stirrers		RE 89	RE 89S	RE 89	RE 89	RE 89	RL 72	RL 56	Manual
		440V		Vario 1		Vario 2			stirrers
For 18 mm dia. drive shaft, blade with 14 mm dia.									
For containers	Length L/mm	Order no.	Order no.	Order no.	Order no.	Order no.	Order no.	Order no.	Order no.
25 l, pressureless	228	080-1756	080-1756	080-1756	080-1756	080-1756	080-1756	080-1756	080-1756
-	250	080-3694	080-3694	080-3694	080-3694	080-3694	080-3694	080-3694	080-3694
30 l, pressureless	268	080-1750	080-1750	080-1750	080-1750	080-1750	080-1750	080-1750	080-1750
25 l, hobcock	318	080-0790	080-0790	080-0790	080-0790	080-0790	080-0790	080-0790	080-0790
20 l, pressure	398	080-0792	080-0792	080-0792	080-0792	080-0792	080-0792	080-0792	080-0792
50 l, pressureless	428	080-1318	080-1318	080-1318	080-1318	080-1318	080-1318	080-1318	080-1318
50 l, hobcock	518	080-0795	080-0795	080-0795	080-0795	080-0795	080-0795	080-0795	080-0795
100 / 150 l, pressureless	538	080-1319	080-1319	080-1319	080-1319	080-1319	080-1319	080-1319	080-1319
50 l, pressure	663	080-0793	080-0793	080-0793	080-0793	080-0793	080-0793	080-0793	080-0793
200 / 250 l, pressureless	688	080-1322	080-1322	080-1322	080-1322	080-1322	080-1322	080-1322	080-1322
200 l barrel, DIN 6644	793	080-0796	080-0796	080-0796	080-0796	080-0796	080-0796	080-0796	080-0796
100 l, pressure	843	080-0794	080-0794	080-0794	080-0794	080-0794	080-0794	080-0794	080-0794
300 / 400 l, pressureless	843	080-0794	080-0794	080-0794	080-0794	080-0794	080-0794	080-0794	080-0794
450 / 500 l, pressureless	938	080-1324	080-1324	080-1324	080-1324	080-1324	080-1324	080-1324	080-1324
-	1000	080-4027	080-4027	080-4027	080-4027	080-4027	080-4027	080-4027	080-4027
-	1088	080-3431	080-3431	080-3431	080-3431	080-3431	080-3431	080-3431	080-3431
Shafts for stirrer		RL 10							
For drive shaft M6, M5 blade									
For container	Length L/mm	Order no.							
2,0 l	112	080-0221							
3,0 l	142	080-1744							
5,0 l	147	080-0222							
7,5 l	177	080-2980							
10,0 l	222	080-1745							
7,5 l	242	080-0224							
10,0 l	267	080-0223							
16,5 l	382	080-2979							
20,0 l	419	080-3248							
19,0 l	533	080-1566							
Shafts for stirrer		RL 10							
For drive shaft M6, M4 blade									
For container	Length L/mm	Order no.							
0,75 l	104	080-1504							
4,50 l	183	080-2663							
Shafts for stirrer		Manual							
For drive shaft 3/8", 14 mm blade		stirrer							
For container	Length L/mm	Order no.							
-	450	040-0637							
-	600	040-5154							
-	800	040-5245							
Shafts for stirrers		RE 89	RE 89						
For drive shaft M45 x 2.5		Vario 3	Vario 4						
Flügel mit 30 mm und Paßfedernut									
For container	Length L/mm	Order no.	Order no.						
100 l	551	090-0785	090-0785						
200 l	651	090-0517	090-0517						
400 l	801	090-0518	090-0518						
1000 l	1211	090-0519	090-0519						



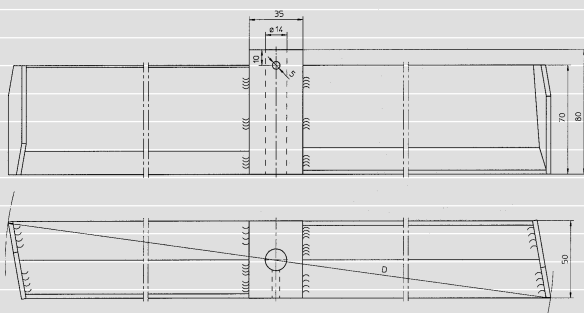
Impeller dia.	Material	Order no.	For shaft dia.
150 mm	Aluminium	080-0787	14 mm
185 mm	Aluminium	080-0788	14 mm
260 mm	Aluminium	080-0789	14 mm
150 mm	Aluminium, hard-coated	080-1521	14 mm
185 mm	Aluminium, hard-coated	080-1522	14 mm
260 mm	Aluminium, hard-coated	080-1523	14 mm



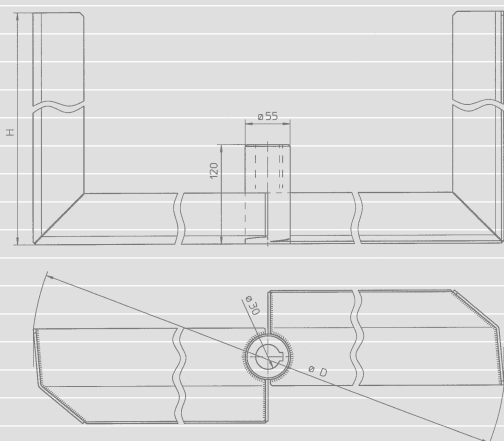
Impeller dia.	Material	Order no.	For shaft dia.
145 mm	Aluminium	040-0638	14 mm



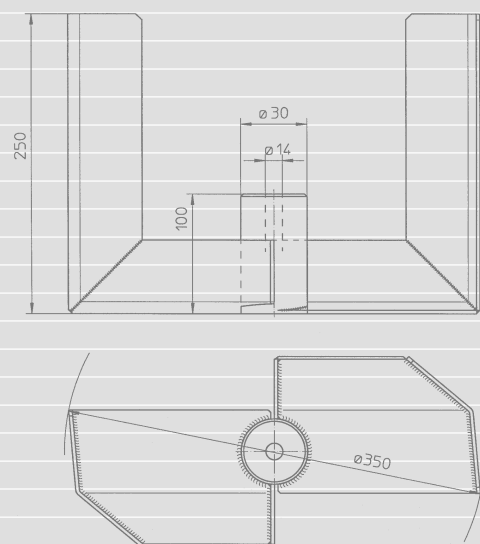
Impeller dia.	Material	Order no.	For shaft dia.
120 mm	Stainless steel	080-1175	14 mm
120 mm	Stainless steel	040-3051	20 mm
120 mm	Stainless steel / PTFE	080-3690	14 mm
145 mm	Stainless steel	080-1176	14 mm
145 mm	Stainless steel	040-3052	20 mm
145 mm	Stainless steel	080-3702	14 mm



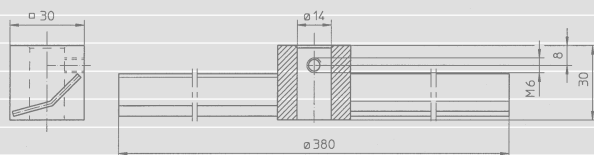
Impeller dia.	Material	Order no.	For shaft dia.
600 mm	St. steel / PTFE	100-0874	14 mm
350 mm	Stainless steel	100-0710	14 mm
250 mm	Stainless steel	100-0716	14 mm
450 mm	Stainless steel	100-0717	14 mm
500 mm	Stainless steel	100-0718	14 mm



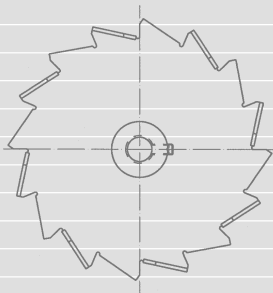
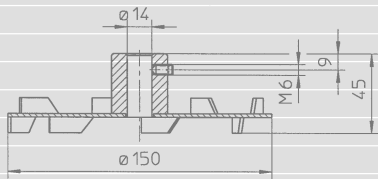
Impeller dia.	Material	Order no.	For shaft dia.
420 mm	Stainless steel	100-0470	30 mm
550 mm	Stainless steel	100-0358	30 mm
700 mm	Stainless steel	100-0359	30 mm
980 mm	Stainless steel	100-0360	30 mm



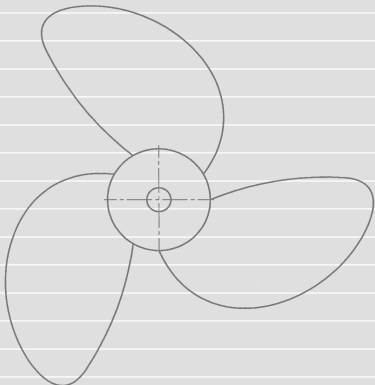
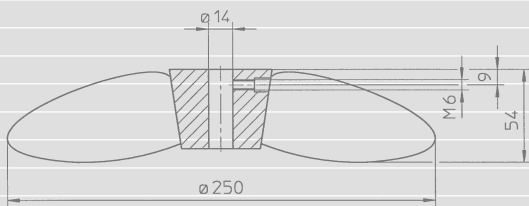
Impeller dia.	Material	Order no.	For shaft dia.
350 mm	Stainless steel	100-0544	14 mm



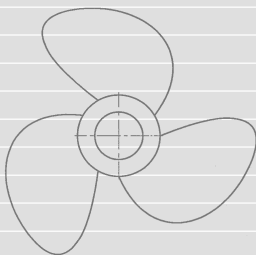
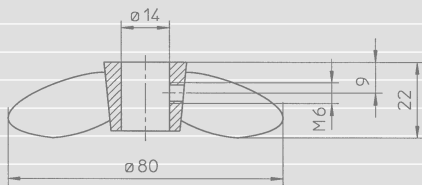
Impeller dia.	Material	Order no.	For shaft dia.
380 mm	Stainless steel	100-0757	14 mm

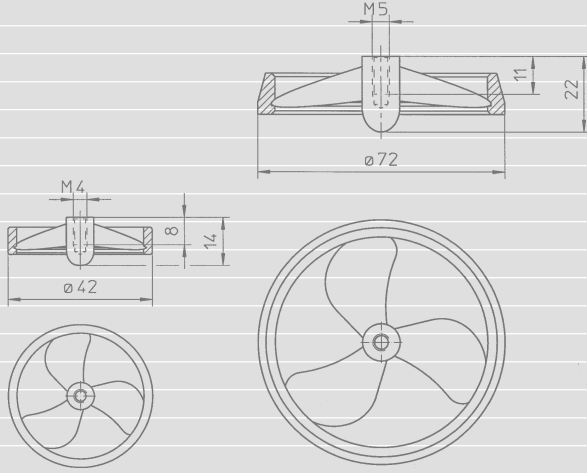
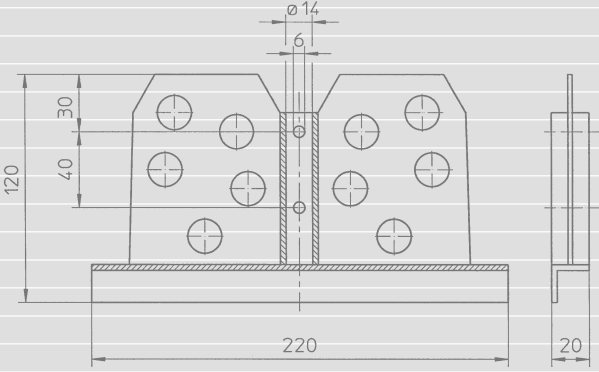
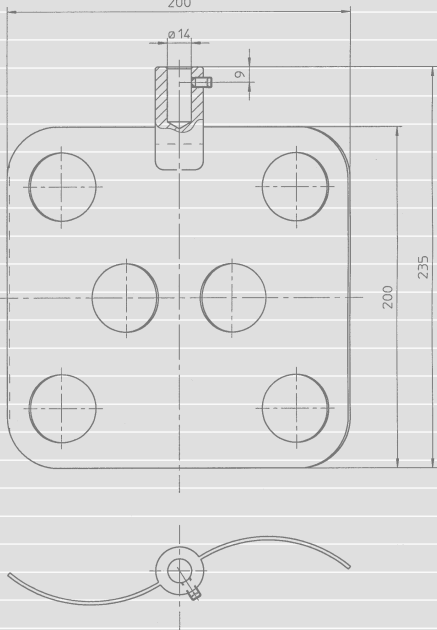


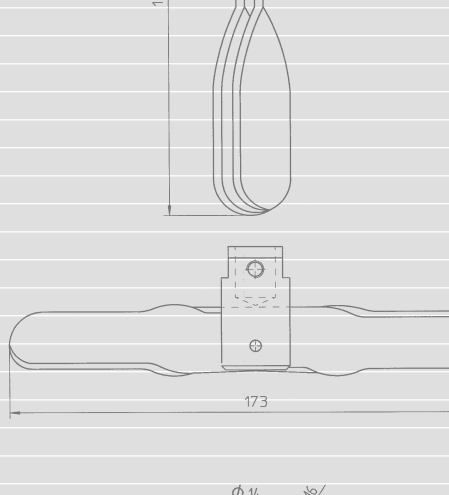


Impeller dia.	Material	Order no.	For shaft dia.
150 mm	Stainless steel	080-2888	14 mm



Impeller dia.	Material	Order no.	For shaft dia.
80 mm	Stainless steel	030-4265	14 mm
250 mm	Stainless steel	040-5191	14 mm
250 mm	Stainless steel	030-3970	14 mm



	Impeller dia.	Material	Order no.	For shaft dia.
	64 mm	PA	030-1933	M5
	40 mm	PA	030-1935	M4
	Impeller dia.	Material	Order no.	For shaft dia.
	220 mm	Stainless steel	080-3274	14 mm
	Impeller dia.	Material	Order no.	For shaft dia.
	200 mm	St. steel / PTFE	080-3777	14 mm
	200 mm	Stainless steel	080-4023	14 mm

	Impeller dia.	Material	Order no.	For shaft dia.
	173 mm	Stainless steel1	030-4484	14 mm
	Impeller dia.	Material	Order no.	For shaft dia.
	260 mm	Stainless steel	080-3862	14 mm
	Impeller dia.	Material	Order no.	For shaft dia.
	260 mm	Stainless steel	080-3863	14 mm



Material changeover valve

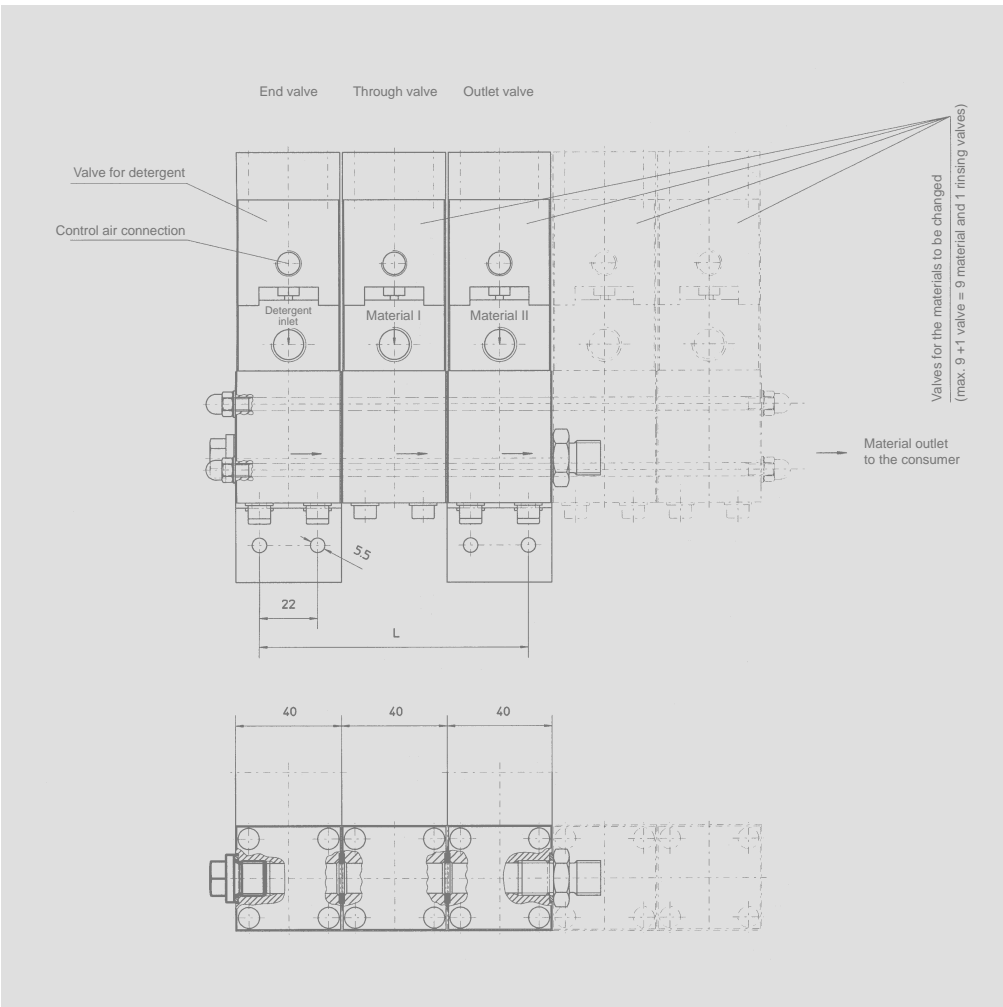
Krautzberger material changeover valves allow extremely fast changeover of the spraying medium.

Each control cylinder is driven by an electric or pneumatic solenoid valve, thus opening or closing the throughput duct of the respective medium.

Rinsing is effected using a suitable detergent between each material changeover.

Built-in non-return valves ensure optimum operating reliability.

Thanks to the modular design, subsequent extension/add-ons present no problem.



Material changeover valves		
	max. 10 bar	max. 200 bar
No. of control cylinders	Order no.	Order no.
2 + 1	090-0057	090-0058
3 + 1	090-0071	090-0078
4 + 1	090-0072	090-0079
5 + 1	090-0073	090-0080
6 + 1	090-0074	090-0081
7 + 1	090-0075	090-0082
8 + 1	090-0076	090-0083
9 + 1	090-0077	090-0084



Rotary discs

A variety of rotary discs are available for the painting of rotationally symmetrical parts. These discs are available in different heights and with a range of effective load capacities and disc diameters. Depending on design, the rotary discs are designed for manual operation or available with pneumatic drive motor.

