

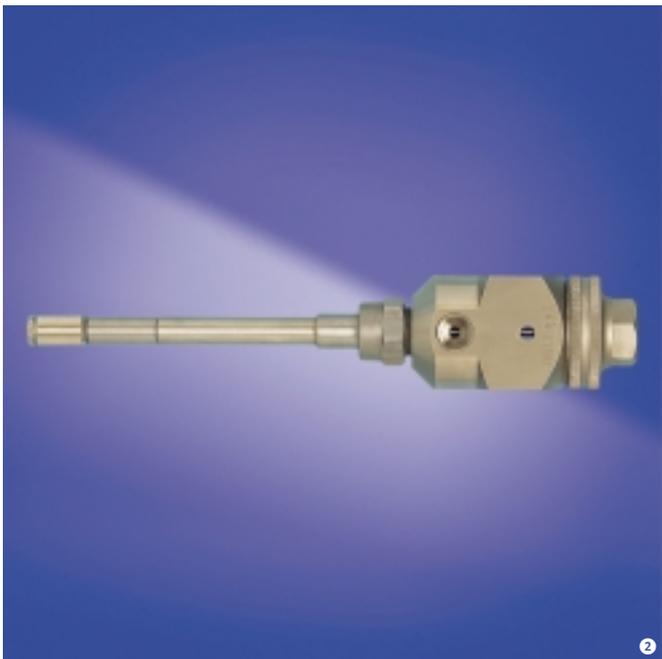


1

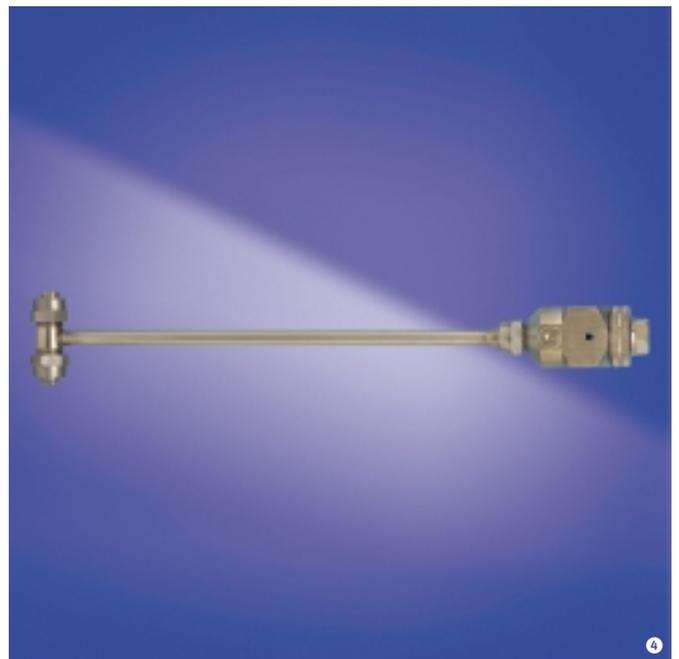


3

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



2

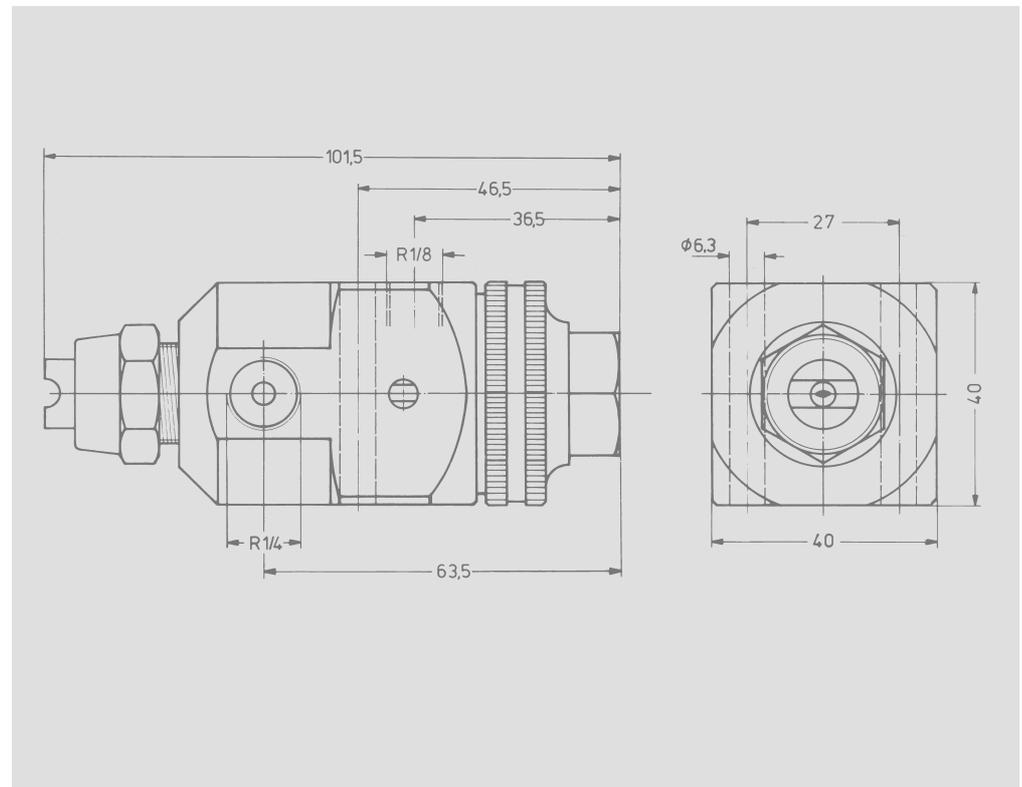


4

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)



1

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



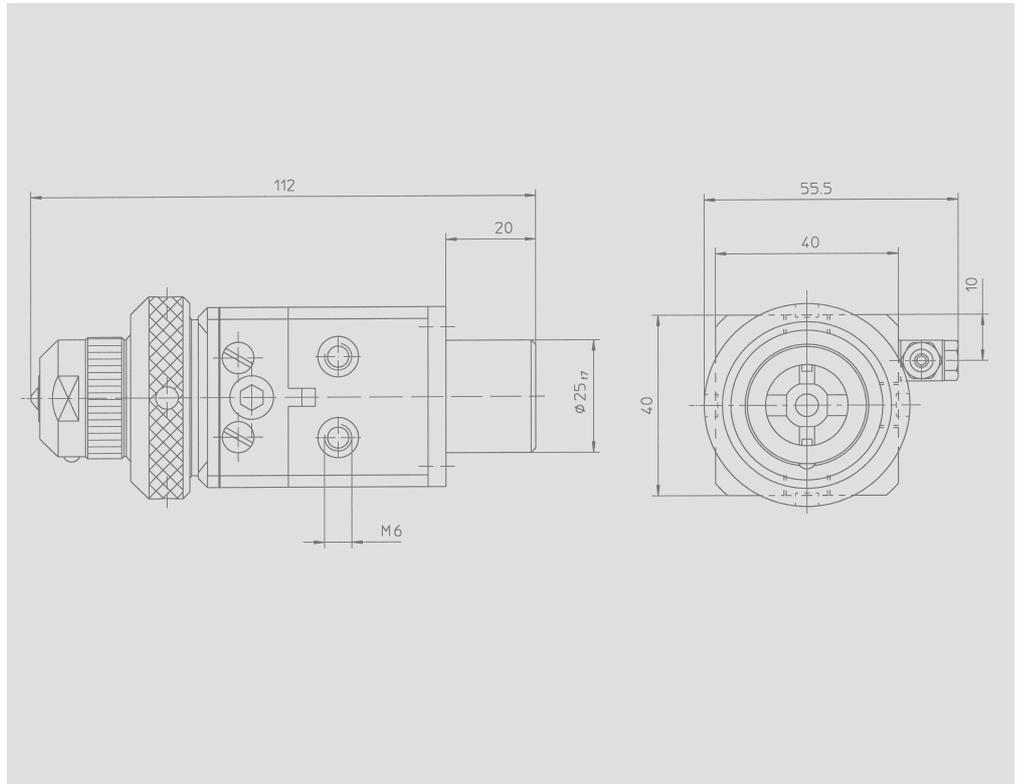
2



**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)



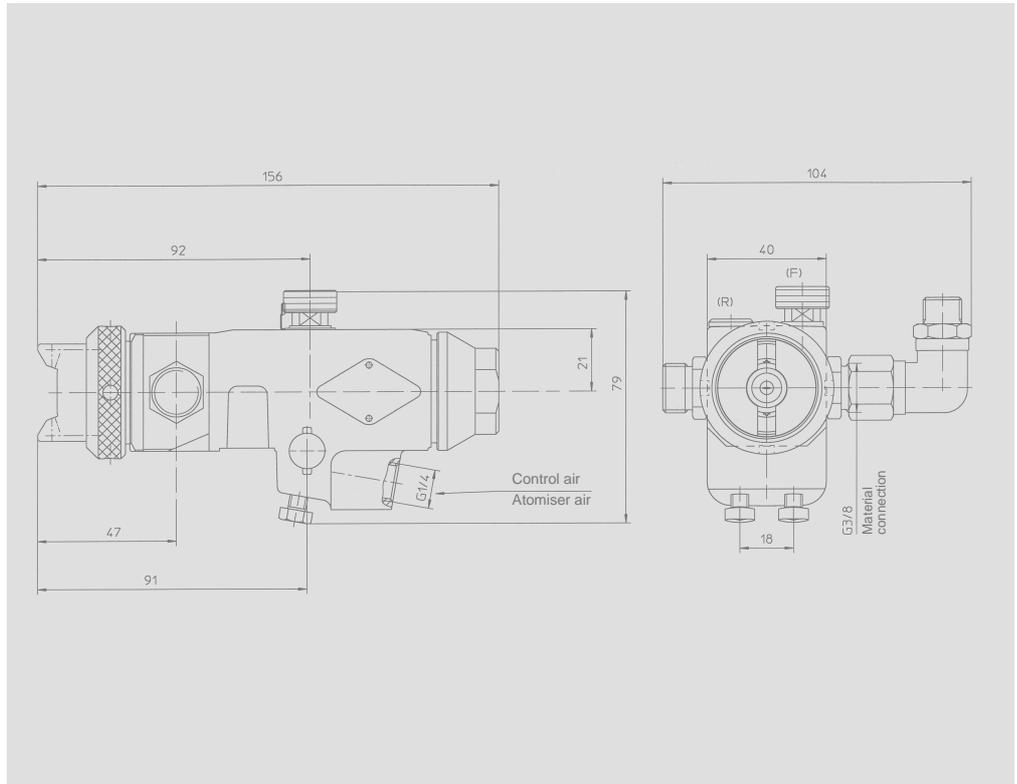
Duo A 2
Horn air atomisation

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

- 1 Automatic glazing gun
- 2 Automatic extrusion gun
KAA 1300
- 3 KAA 1300 Dickstoff, for high-
viscosity materials



3



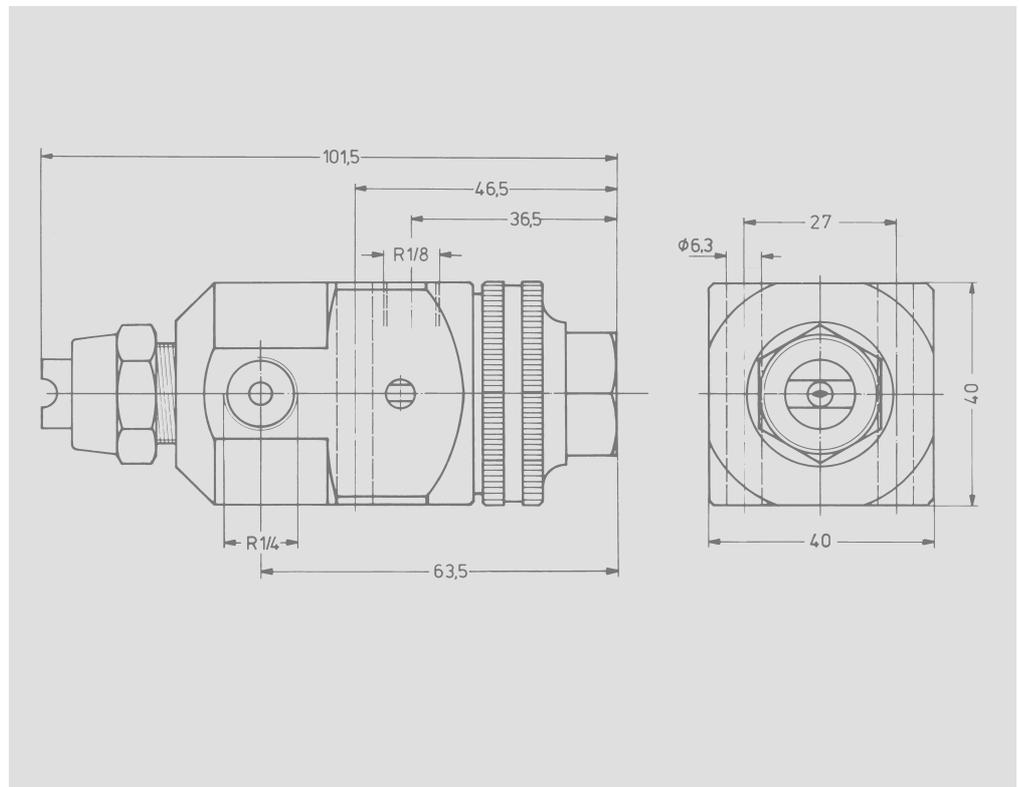
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**Automatic spray gun
KAA 1300 Dickstoff**

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

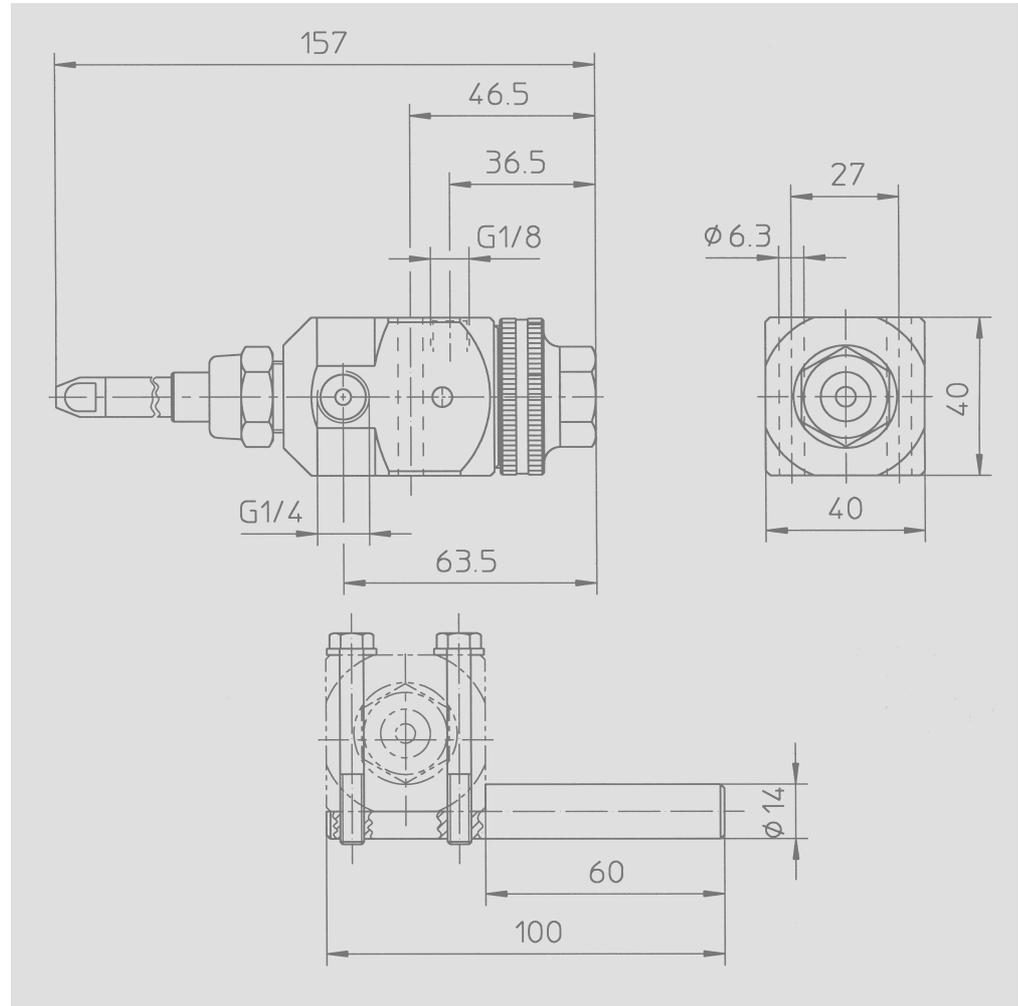
Weight

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

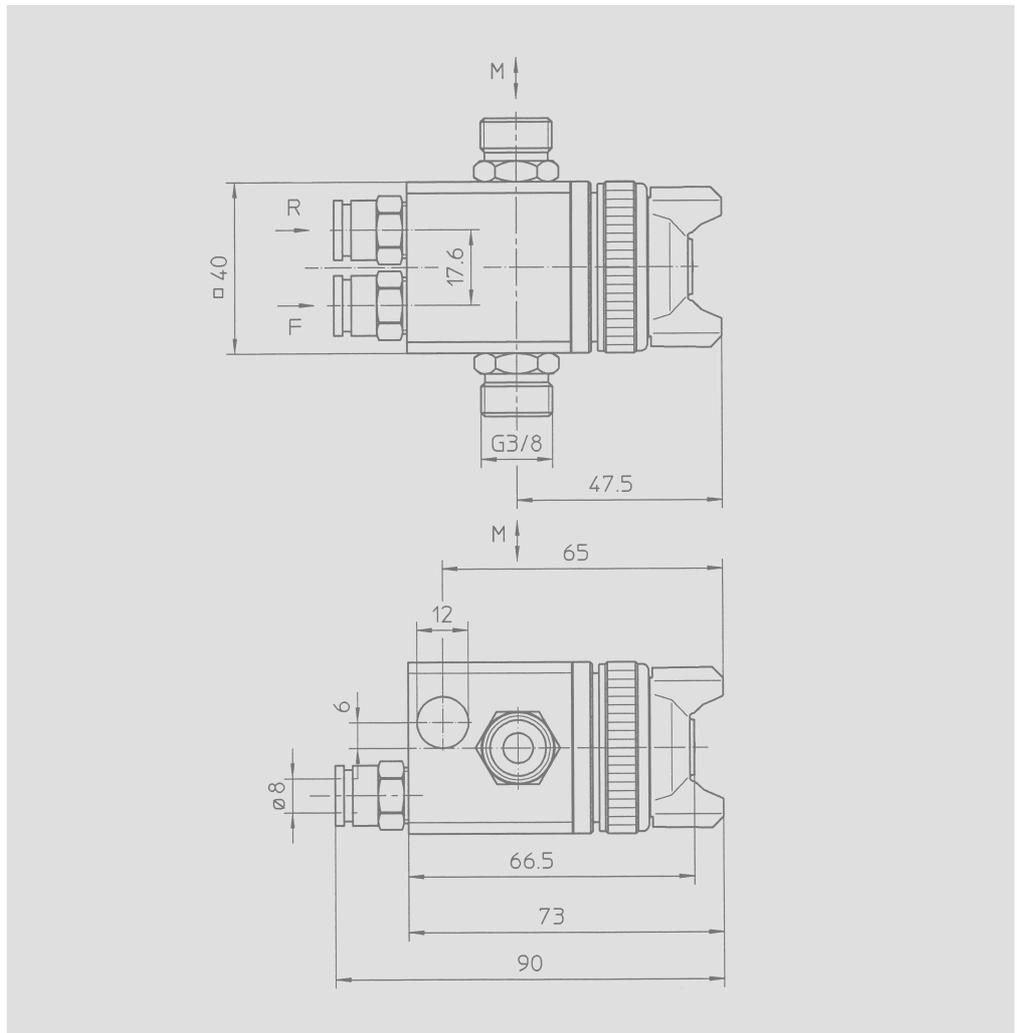
without add-on parts: approx. 300 g

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