



Mikro XS^{mv} Automatic spray gun



Mikro XS^{mv}

The Mikro XS^{mv} is a variant of the Mikro XS with directly mounted solenoid valve.

The new “Mikro spraying” generation – the Mikro XS^{mv} automatic spray gun. Thanks to its innovative preliminary air control, a significantly reduced needle diameter, the Mikro XS^{mv} achieves optimum switching performance and an almost perfect spray pattern.

Due to a quick-change head section and seal pack, the Mikro XS^{mv} makes rapid maintenance possible and offers a high degree of user-friendliness.

Our production and testing procedures enable us to integrate a complete check of our XLINE air nozzles into our process. The Mikro XS^{mv} therefore offers high precision and reproducibility in fully automated spraying processes.

The solenoid valve is always positioned on the left. The solenoid valve is not designed for ATEX zones.

- New type of preliminary and post-air control decoupled from the needle control enables optimum switching performance and a perfect spray pattern
- Reduced needle diameter: 2 mm diameter, 60% less mass results in enhanced switching dynamics

- Switching frequency: max. 30 Hz
- Equipped with an XLINE nozzle system, each nozzle is fully tested in the production process to ensure its function and spray pattern
- 60% higher air output possible, such that even highly viscous media can be atomised
- Fastening by means of dovetail guide, precise and reproducible positioning
- Head section and seal pack can be detached with one screw in each case, rapid maintenance possible, main element remains in the system
- Easy maintenance
- Long service lives
- Very compact construction
- Low weight
- Circulation design available

Technical data

Dimensions

Height: 55 mm

Length: 121 mm

Width without retaining pin: 38 mm

Width with retaining pin: 99 mm

Weight

without retaining pin: 232 g

with retaining pin: 307 g

Connections

Material connection:

1/8" female + 1/8" male

Control air connection:

M5 female

Atomiser air:

M5 female

Operating pressures

Control air pressure, min./max.:

5 bar / 72.5 psi / 8 bar / 116 psi

Solenoid valve:

0.9 – 8 bar / 13.05 – 116 psi

Air connection, max.:

6 bar / 87 psi

Material connection, max.:

12 bar / 174 psi

Minimum switching times of the Mikro XS^{mv}

Minimum on time: 8ms

Minimum switch-off time: 12ms

Electrical specifications for the solenoid valve

Operating voltage: 24V/DC

Protection class: IP55

Switching frequency: max. 30 Hz

Electrical connection: two-core

Valve function:

3/2 directional valve, closed, monostable