



SMS-11 Spray Valve

Compact, versatile spray valve for flexible spray width adjustment and dynamic cycle processes

SMS-11

Highlights/ Benefit

- Integrated spray width control for a wide range of applications – from pinpoint lubrication to large-area coatings – without conversion or valve change
- Atomising air independently adjustable
- Option to implement process control in combination with the WALTHER Valve Controller

SMS-11: Flexible stainless-steel spray valve for demanding production environments

With spray width control, media circulation and up to 40 cycles per second

The SMS-11 is a compact precision spray valve for the reliable application of low- to medium-viscosity media.

Measuring just 30 × 42 × 79 mm, it integrates easily into new or existing production lines and is operated entirely pneumatically. The independently adjustable atomising air atomises the medium into fine droplets and, depending on the air cap, produces either flat or round spray patterns. The spray pattern can be flexibly influenced via atomising air pressure and nozzle geometry; for flat spray applications, the integrated spray width control additionally enables stepless adjustment of the application width – from pinpoint lines to homogeneous surfaces.

The valve needle closes reliably with spring assistance, while the post-air function cleanly separates the medium strand – for a defined cut-off without dripping or stringing. With up to 40 cycles per second, the SMS-11 is ideally suited for dynamic cycle processes in automated production lines. The SMS-11 processes oils, greases, single-component adhesives and many other media reliably at material pressures of up to 15 bar. Stainless steel components and chemically resistant FKM seals ensure high media compatibility and long service life. Optionally, the SMS-11 can be equipped with media circulation, which prevents deposits or curing in the nozzle. Additional options such as a heating unit, nozzle extensions or a needle stroke sensor allow precise adaptation to specific applications.

Follow the QR-Code for additional product info



Technical Data

Material inlet pressure
max. 15 [bar]

Control air pressure
3.5 to 6[bar]

Atomising air pressure
up to 6 bar

Dimensions (L × W × H)
30 × 42 × 79 [mm]

Weight
0.33 kg

Materials (media-contacting)
Stainless steel 1.4301 / 1.4305 /
1.4404 / 1.4571, seals FKM

Optional / Accessories



Valve-Controller
Valve control



Needle stroke sensor
Process control



Temperature controller
Temperature adjustment



Heating plate
Valve heating



Insulating plate
Valve insulation



Pipe connection
Media supply



Mounting bracket
Valve fixation



Nozzle / extension
Application image



Tool set
Valve maintenance



Cleaning kit
Valve cleaning