



VN8 Needle valve round bead

Applikator

Functional description

The application of one-component materials is carried out via the applicator. The material flow is controlled with the help of a needle valve, which is moved by means of pneumatic pressure to open or close the application nozzle. This allows precise control of the material application. The applicator is flange-fitted, which allows its flexible placement to suit process requirements: individually, directly on the dosing unit, on a robot or on a fixed unit (application tower).

Product characteristics

- ✓ Last component in the actual application process
- ✓ Stationary or robot-guided application
- ✓ Application of one-component materials
- ✓ Application of round beads
- ✓ Needle valve



General technical data

Unheated

Dimensions (WxDxH)	
Nozzle stock 140 mm	134,2 mm x 99 mm x 307,9 mm
Nozzle stock 200 mm	134,2 mm x 99 mm x 365,9 mm
Mass	3,1 kg
Operating voltage	-
Rated voltage	-
Frequency	-
Power	-
Max. temperature	-
Application pressure	100 bar
Max. pressure	250 bar
Air supply	6 bar
Material connection	Flange; G1/8"
Air connection (pneumatic)	Hose diameter: 6 mm Thread: G1/8"
Housing material	AL, optional SS
Valve type	Needle valve
Nozzle diameter	1,0 - 5,5 mm

Heated

Dimensions (WxDxH)	
Nozzle stock 140 mm	147,7 mm x 99 mm x 307,9 mm
Nozzle stock 200 mm	147,7 mm x 99 mm x 365,9 mm
Mass	3,2 kg
Operating voltage	230V AC
Rated voltage	230V - 277V
Frequency	50/60 Hz
Power	200W - 290W Valve body heating
Max. temperature	100 °C
Application pressure	100 bar
Max. pressure	250 bar
Air supply	6 bar
Material connection	Flange; G1/8"
Air connection (pneumatic)	Hose diameter: 6 mm Thread: G1/8"
Housing material	AL, optional SS
Valve type	Needle valve
Nozzle diameter	1,0 - 5,5 mm

Ambient conditions / ambient temperature

Unheated

Storage and transport	0 - 55 °C
Operation	10 - 40 °C

Heated

Storage and transport	0 - 55 °C
Operation	10 - 40 °C

Applicable materials

PVC and other sealants

SMP adhesives

Epoxy resins

Butyl rubber

PU adhesive

Acrylics

Options and functional extensions

Heating of the applicators

Variable configuration of nozzle length

Variable configuration of nozzle diameter

Stationary or robot-guided

Extendable to a 2C-system

Optional version in stainless steel

