

VMS400 - Mini-Spool Valve



VMS400 Mini-spool Valve

The VMS400 is a mini-spool type pneumatic valve designed for dispensing low viscosity to high viscosity materials.

3-Way & 4-Way Valve Operation

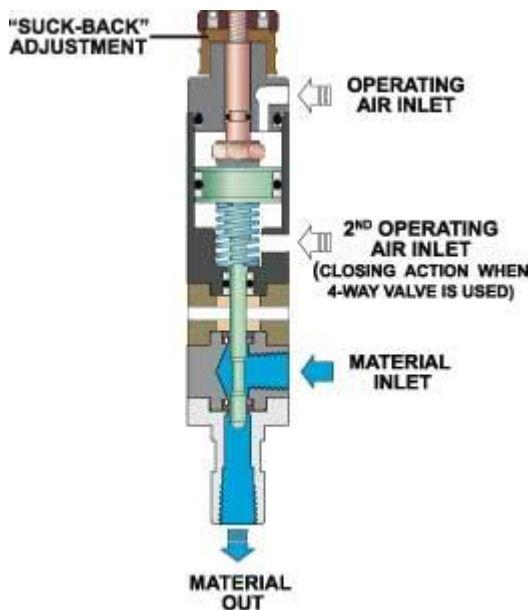
When air pressure is applied to the air inlet of the VMS400 valve, the spool will be forced forward and fluid will be dispensed. The VMS400 valve has a suck-back effect that eliminates lumping at the end of the needle after dispensing. Turning the adjustment control at the top of the valve regulates the amount of suck-back.

Shot size and flow rate are controlled by the tip size, fluid pressure and the duration that the valve is open.

The model DSP501N is a suitable controller for the VMS400 valve. For faster actuation, the 4-way VC1195N valve controller is recommended.

Features

- High-pressure fluid input up to 700 psi
- Suitable for high viscosity fluids
- Adjustable "suck-back" fluids



Model

[VMS400](#)

Mini spool valve

Accessories (optional)

DSP501N 3-way controller 110/220V CE

VC1195N 4-way controller 110/220V CE

VMS400 Specifications:

Operating air pressure: 60-85psi (4.1-5.9 bar)

Material delivery pressure: 711psi (49 bar)

Flow rate:

Max 5.0 l/min

Minimum shot size: 0.1cc

Driving part materials

Body, Piston: SUS303

Spool: SUS420

CAP: AL (hard coated)

Wetted part materials

Chamber, Chamber: SUS303

Cap:

Seal: UHMW-PE lip seal

Connecting Ports

Operating air inlet: M5xP0.8

Exhausting outlet: M5xP0.8

Material inlet, outlet: 1/8" NPT

Weight: 255g

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