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FC300-MC

Stainless Steel Dispense Valve, High Flow

The FC300-MC is a high pressure, front closing needle style dispense valve with adjustable flow control designed for applying single-component medium-to-high viscosity fluids. Typical applications include dot dispensing, gasketing, bead placement, or potting.

The needle and seat closure point allow for precise cutoff of fluid flow from the nozzle without displacing fluid as it shuts off.

An adjustable micrometer in the air section is used to set a distance the needle can retract from the seat, thus regulating the flow rate of fluid for fine tune adjustment.

Valve Specifications

Overall Dimensions:

8.4" in x 1.15" in x 1.15" in
(213mm x 29.2mm x 29.2mm)

Weight:

19 oz. / (0.54 kg)

Operating Air Pressure:

80-100 psi. / (5.5 – 6.9 bar)

Maximum Inlet Fluid Pressure:

3500 psi. / (241 bar)

Viscosity Range:

1 cps - Paste

Wetted Components:

Stainless Steel, Kalrez®, Teflon®

Fluid Inlet:

¼" FNPT

Fluid Outlet:

Male Luer Lock Adapter

Smallest Pass Thru Orifice:

0.090" ID

Applications & Features:

- Front closing needle valve design
- Silicone & RTV Sealant dispense valve
- High flow dispense valve for gasketing
- High viscosity bead dispense valve

Related Equipment:

- ST100, Digital valve controller w/ foot pedal
- PV105-HV, Benchtop valve stand
- FC300, Standard dispense valve w/o Micrometer

For more information, please contact PVA at info@pva.net or contact your local representative.



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Headquarters
6 Corporate Drive | Halfmoon, NY 12065
tel +1 518 371 2684 | fx +1 518 371 2688
www.pva.net | info@pva.net

FC300-MC, Dimensions

