



**WHERE
PRECISION
DRIVES
PRODUCTION**



VALVE SPECIFICATIONS

Dimensions

152 mm x 19 mm x 19 mm
(6.00" x 0.75" x 0.75")

Minimum Shot Size

0.83 μ l

Minimum Line Width

0.25 mm (0.010")

Minimum Orifice Inside Diameter

0.08 mm (0.003")

Viscosity Range

1 cps – 20,000 cps

Operating Air Pressure

60 – 100 psi

Operating Fluid Pressure

1-100 psi

Wetted Components

Stainless steel, Teflon[®], Kalrez[®]

Available Nozzles

Refer to data sheet: "Micro Dispense Nozzles"

FCM100 NON-CONTACT MICRO DISPENSING VALVE

The FCM100 is ideal for any low viscosity underfill, encapsulant, conformal coating, and micro dot or bead dispensing project. The FCM100 "propels" precise shots or fluid streams onto a substrate resulting in accurate patterns at a high robot speed as no in process z-axis adjustments are required. The FCM100 is compatible with all PVA automated platforms.

The FCM100 has many integrated features including:

- ▲ Interchangeable micro dispense nozzles ranging from 16-33 gauge, all stainless steel or ceramic construction
- ▲ Micrometer flow adjustment with lock ring
- ▲ inMOTION™ dispensing with no z-axis motion needed
- ▲ Highly repeatable dot size results in superior pattern definition
- ▲ Dot and continuous line dispensing profile capability
- ▲ Reduced nozzle fluid volume for clean and precise application of fluid

For more information, please contact PVA at info@pva.net or 1-518-371-2684.



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FCM100 Mounting Dimensions

