



**WHERE
PRECISION
DRIVES
PRODUCTION**



VALVE SPECIFICATIONS

Dimensions:

152 mm x 37 mm x 94 mm
(6.00 in x 1.46 in x 3.70)

Minimum Shot Size:

0.83 μ l

Minimum Line Width:

0.25 mm (0.010 in)

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[®]

FCM200 NON-CONTACT MICRO DISPENSING VALVE

The FCM200 is the next generation micro dispensing valve featuring reduced flow path volume and enhanced actuation for cleaner line breaks. The FCM200 is suitable for streaming lines or dots of low to moderate viscosity underfill, encapsulants, conformal coatings, and lubricants. The FCM200 applies fluids up to 5mm above the substrate to create a true "non-contact" application. The FCM200 is compatible with all PVA automated platforms.

The FCM200 has many integrated features including:

- ▲ Interchangeable tip and nozzle retainer designs for various dispensing profiles
- ▲ Integrated syringe bracket with optional low level detection
- ▲ Micrometer flow adjustment with lock ring
- ▲ inMOTION™ dispensing with no z-axis adjustment needed
- ▲ Highly repeatable results with superior pattern definition
- ▲ Viscosity stabilization via optional integrated valve body heat
- ▲ Pulse-free, quiet operation
- ▲ Easily maintained with no special tools required

For more information on PVA's dispensing and coating capabilities, please contact one of our sales representatives at (518) 371-2684.

PVA also offers the following products to enhance your dispensing application:

FCM100

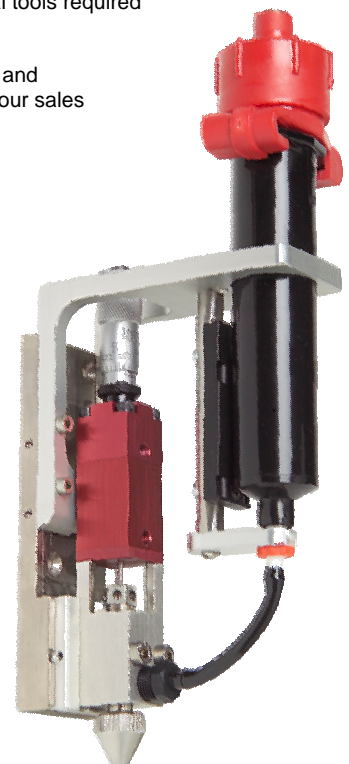
Non-contact micro dispensing valve

SVX

Servo-controlled auger valve

FCS300-ES

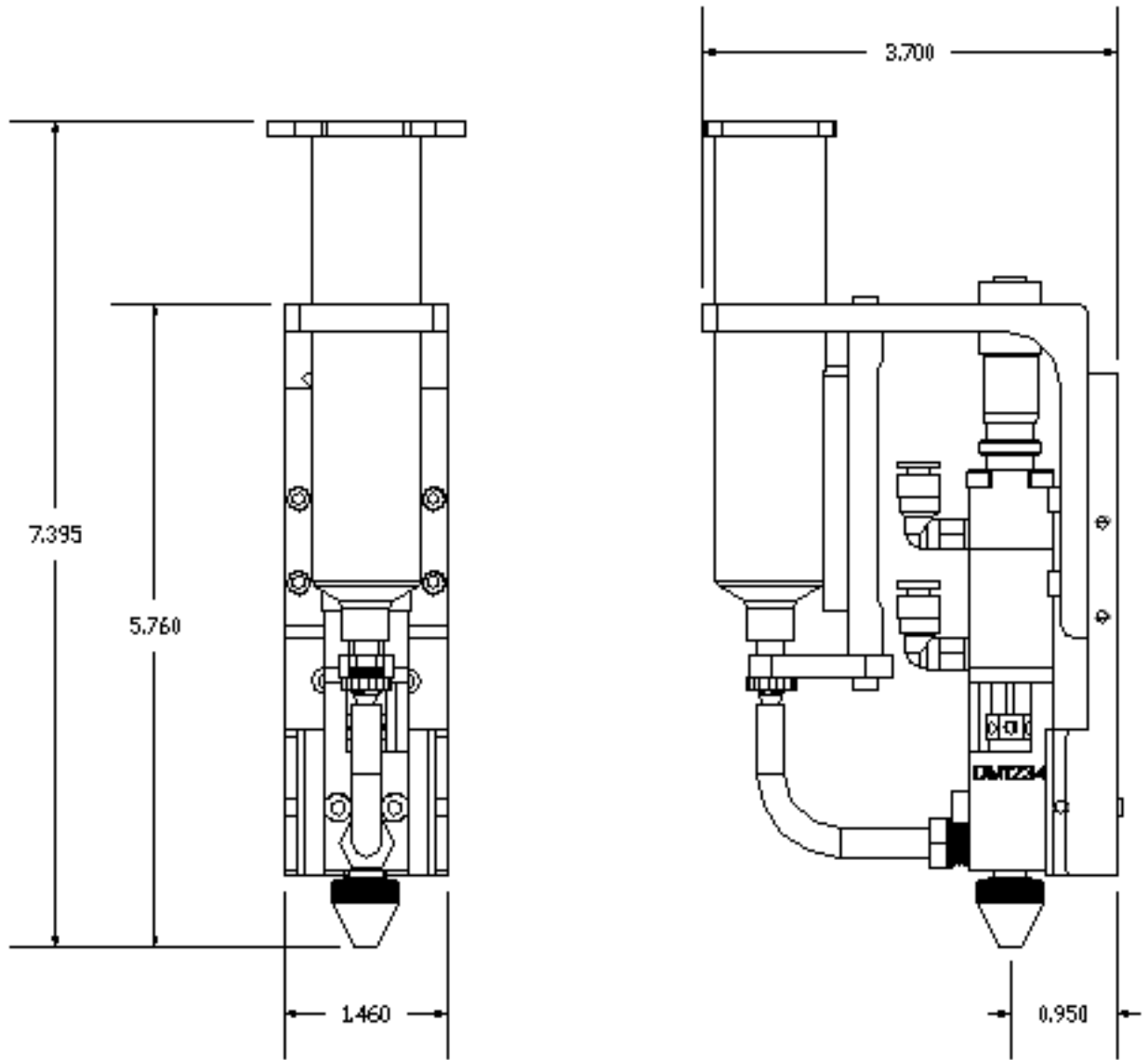
Stainless steel extended spray valve



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Teflon[®] and Kalrez[®] are registered trademarks of Dupont.

FCM200 Mounting Dimensions



All dimensions provided in inches