



**WHERE
PRECISION
DRIVES
PRODUCTION**



MV500 Shot Size Range:
0.10 cc to 1.45 cc

VALVE SPECIFICATIONS

Dimensions:

159 mm x 38 mm x 59 mm
(6.25 in x 1.50 in x 2.33 in)

Viscosity Range:

1 cps – Paste

Operating Air Pressure:

60 – 100 psi

Inlet Fluid Pressure:

50 – 350 psi

Maximum Generated Outlet Fluid Pressure:

500 psi

Wetted Components:

Stainless steel, Kalrez[®], Teflon[®]

MV500 POSITIVE DISPLACEMENT DISPENSING VALVE

The MV500 is a true positive displacement metering valve capable of dispensing deposits of material in a highly accurate process. The deposit volume is determined by the metering cylinder's stroke adjustment setting and is not affected by variations in viscosity or material pressure. The MV500 is compatible with all PVA automated platforms.

The MV500 has many integrated features including:

- ▲ 0.10 cc to 1.45 cc shot size
- ▲ Reduced fluid volume inside valve for increased repeatability
- ▲ Front closing dispense valve on outlet check for accurate shutoff
- ▲ Stainless steel fluid section for optimum material compatibility
- ▲ Adjustable dispense rate
- ▲ Micrometer adjustment permits shot size modification
- ▲ 5:1 pressure advantage on metering cylinder
- ▲ Optional limit sensors for "ready to dispense" and "dispense complete" feedback

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

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

MV5-SP

MV500 spare parts kit

ST100

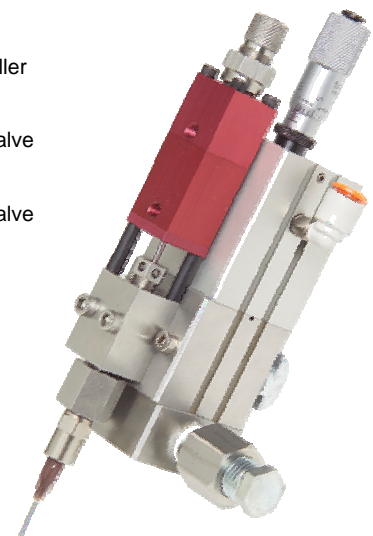
Benchtop pneumatic valve controller

MV300

Positive displacement metering valve

MV600

Positive displacement metering valve



15 Solar Drive
Halfmoon NY 12065
tel 518 371 2684
fx 518 371 2688
www.pva.net

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