



MV250  
POSITIVE DISPLACEMENT METERING

**POLY DISPENSING SYSTEMS**  
S Y S T E M E S   D E   D O S A G E   I N D U S T R I E L

## Metering Valves MV250

### Advantages

- Simple to install
- Easy and fast calibration of the quantity
- Minimum accuracy of  $\pm 2\%$
- Part in contact with the stainless steel fluid
- Opening and closing control (faster)
- Potential rate: greater than 600 cycles / minute
- No residual drop at the end of the cycle



### Compatible products

Adhesives / Activators /  
Lubricants / oils / RTV /  
Epoxies / Solvents / Alcohols  
/ Fluids / Inks / Paints



Positive Displacement Dispense Valve with Micro Dispense Nozzle Outlet

The MV250 Positive Displacement Valve is a true positive displacement metering valve capable of dispensing small imagevolumes of material for applications requiring a high degree of accuracy and repeatability. Dispense volumes are determined by the valve's micrometer adjustment setting which regulates the travel of the displacement rod.

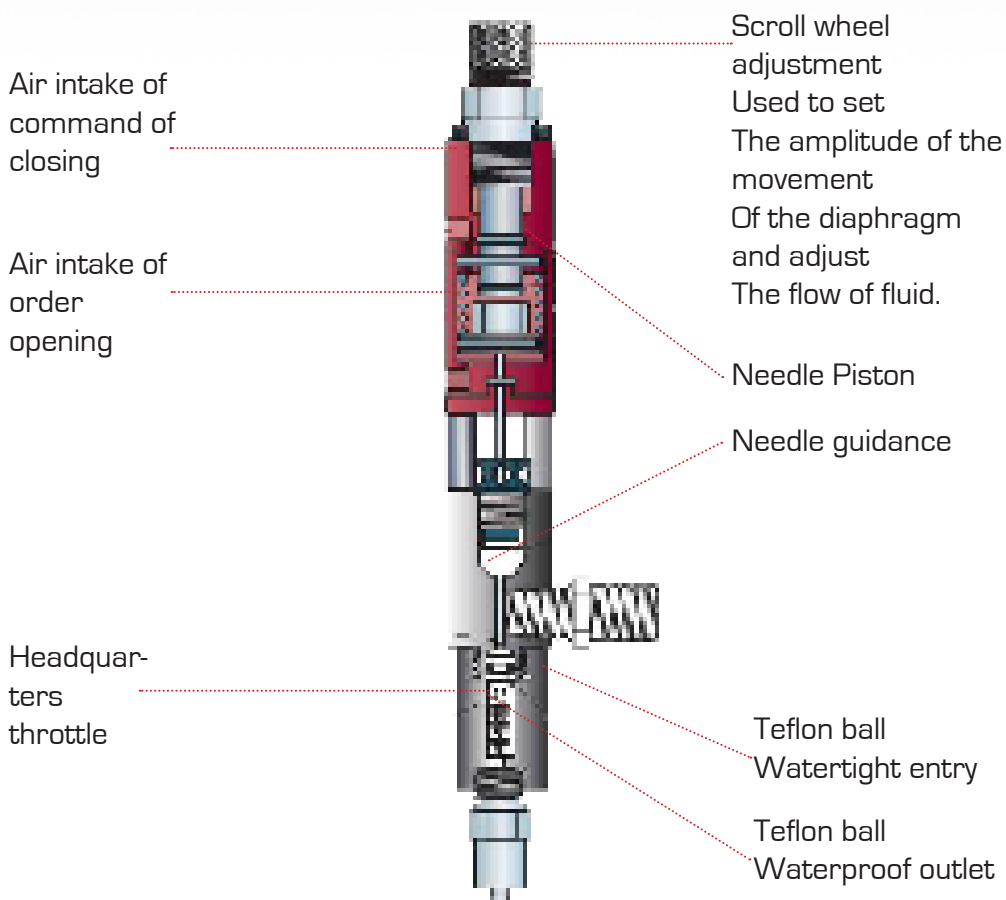
The benefit of using positive displacement technology is the dispense volumes cannot be altered by variations in viscosity or material pressure thus eliminating variables that can alter a process. And, with a lightweight, slim design, the MV250 can be integrated into manual dispense systems or fully automated platforms.

The MV250 has many integrated features including:

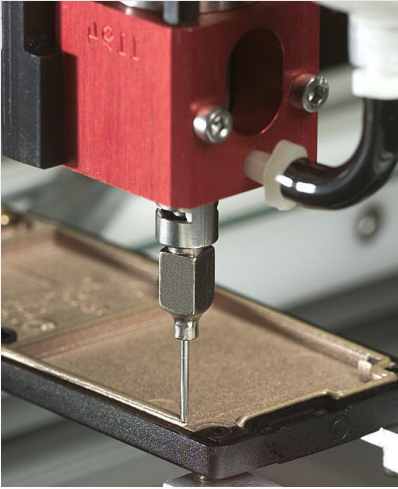
- 0.0001 cc to 0.0120 cc shot volume per cycle
- True positive (rod) displacement metering action
- Adjustable micrometer permits shot size modification
- Divorced design prevents material contamination to the air section
- Precision inlet and outlet check valves provide precise metering
- Longer seal life with new O-ring & packing design
- Stainless steel fluid section for optimum material compatibility
- Bleed ports on fluid section for purging
- Nozzles available in Stainless Steel or Ceramic

## Characteristics

Dimensions	190 mm x 19 mm x 19 mm
Weight	8 oz
Viscosity Range	1 cps – 50,000 cps
Operating Air Pressure	60 – 100 psi
Maximum Inlet Fluid Pressure	100 psi
Wetted Components	Stainless steel, Kalrez®, Teflon®
Dispense Volume Range	0.0001 cc to 0.0120 cc
Repeatability	1% - 2% [typical]



## Poly Dispensing Systems



PDS S.A.S is a french company that commercializes a wide range of dosage equipments, proven and effective.

Distributed in over 20 countries around the world, these equipments provide tailored solutions to many users in order to improve technically their manufacturing and reduce their productions costs.

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- NON CONTRACTUAL DOCUMENT -

# POLY DISPENSING SYSTEMS

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