

# 2600-003 Metering Valve

## Positive Displacement Shot Meter Valve



**2600-003-005-AA Metering Valve  
shown with Luer-Lok needle tip**

- The 2600-003 Series positive displacement meter valve automatically dispenses small, precisely measured shot volume of material
- Volume dispensed per shot is pre-set from 0.2 cc up to 2.0 cc shot size and manually adjustable
- The all pneumatic double-acting valve design allows very fast repetitive cycling
- The metering valve is very accurate and performs precisely repeatable shot size volumes
- The metering valve system allows dispensing of low to high viscosity materials
- The metering valve is mounted to fixed or movable tooling and adapts to manual start or automation controlled dispensing
- The metering valve is actuated by automation, hand or footswitch actuator valve

### Features:

When actuated, the valve will meter and dispense small amounts ('shots') of a single component material.

The system includes inlet and outlet check valves to insure shot size consistency and a volume adjustment so you can pre-set the shot size.

The metering valve is air operated and includes hardened internal components and wear resistant seals.

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## Metering Valve Specifications

Minimum shot size	0.2 cc's
Maximum shot size	2.0 cc's
Mounting Method A:	0.375" Dia. Rod
Mounting Method B:	Slotted Bracket
Max. Fluid Pressure:	600 P.S.I.
Material Inlet Port:	1/4" N.P.T.F.
Material Outlet Port:	1/4" N.P.T.F.
Air Open/Close Ports:	1/8" N.P.T.F.
Valve Weight:	3.1 lbs. (approx.)
Construction Material:	Aluminum, carbon steel and seals per model selection
Optional Construction:	Stainless Steel
Valve Actuator:	4-way pneumatic or solenoid valve

### **5 Gallon Pump, Lift and Metering Valve System shown above:**

- 5:1 power ratio, air powered, positive displacement reciprocating pump assembly
- Follower plate eliminates contamination and provides positive feed pressure for viscous materials
- Cart/Elevator assists in pail change operation
- 10' Dispense Hose, Metering Valve and Luer-Lok needle dispense tip
- Pneumatic foot valve actuator

### **Typical Metering Valve Dispensing System consists of the following components:**

- 5-gallon or 55-gallon supply pump with 5:1 to 10:1 Power Ratio and bleed valve
- Hose assembly: specify length
- Metering valve assembly; Bleed valve; Dispense tip: specify shot size and material for seal and tip selection.
- Specify system actuation style: select automation actuation, hand actuator or foot pedal actuator

Form: 2600-003-001-C



Manufacturers of Precision Dispense Systems & Valves

45677 Helm Street • P.O. Box 701460  
Plymouth, MI 48170 • USA  
Phone: (734) 459-8600 • Fax: (734) 459-8686  
Website: [www.dispensevalves.com](http://www.dispensevalves.com)  
E-mail: [dispensevalves@sealantequipment.com](mailto:dispensevalves@sealantequipment.com)