



First choice when
quality counts.™

MMV™ Micro Metering Valve

- **Positive displacement design provides high accuracy and repeatability, regardless of viscosity and fluid inlet pressure variations**
- **Threaded stroke limiter on the back of the air cylinder makes shot size easily adjustable**
- **Simple, all-pneumatic operation**
- **Minimal retained volume in dispense chamber assures fluid inventory exchange**

**For accurate
shot metering
during small
parts assembly
& encapsulation**

Graco's Micro Metering Valve (MMV) is a highly precise application tool suitable for application of minute quantities of sealant or adhesive. This precision valve makes it possible to fit the most exacting production requirements. MMVs are made to deliver a wide range of shot sizes and can be integrated into automated applications.

This compact valve is made durable and long lasting with its hard, chrome-plated displacement rod and tungsten carbide ball and seat in outlet check valve. A grease fitting provides seal lubrication for extended seal life. All internal components are easily removed through the front of the dispense chamber for servicing without refixturing.

Typical Fluids Handled

- Adhesives
- Potting compounds
- Encapsulants
- Sealants
- Plastisols
- Lubricants
- Greases

Typical Applications

- To apply beads and drops
- For electrical potting, encapsulation, and plant assembly



SEALANT ADHESIVE EQUIPMENT

Technical Specifications

Max. fluid inlet pressure 100 psi (0.7 MPa, 7 bar)
Max. air inlet pressure 100 psi (0.7 MPa, 7 bar)
Fluid inlet 3/8 npt(f)
Fluid outlet 1/4 npt(f)
Air inlets (requires 4 way air valve) (2) 1/8 npt(f)
Dimensions 9.25 in. L x 1.75 in. W x 2.9 in. D
(235 mm L x 44.5 mm W x 73.7 mm D)
Weight 2.9 lbs (1.32 kg)
Mounting . . . (2) 1/4-20 UNC threaded, 5 in. (12.5 mm) deep

Ordering Information

692-125 MMV 125
Shot range: 0.025-0.201 cc

692-250 MMV 250
Shot range: 0.100-0.804 cc

692-500 MMV 500
Shot range: 0.400-3.21 cc

Accessories

690-383 Air Flow Control Valve
Allow adjustment of dispense or refill rate.
Inlet: 1/8 npt(f). Outlet: 1/8 npt(f).

513-468 Foot Switch
Four way air valve, foot-actuated, safety-guarded.
Air inlet: 1/4 npt(f).
Normally open outlet: 1/4 npt(f).
Normally closed outlet: 1/4 npt(f).

692-040 Electric Signal Kit
Senses position of piston within the air cylinder. Can be used to generate electric signals to identify when dispense and refill cycles are completed. Adjustable position. Requires 5 to 30 VDC input. Provides current sinking outputs. Includes (2) switches and mounting hardware.

110-147 Air Pressure Regulator with Gauge