



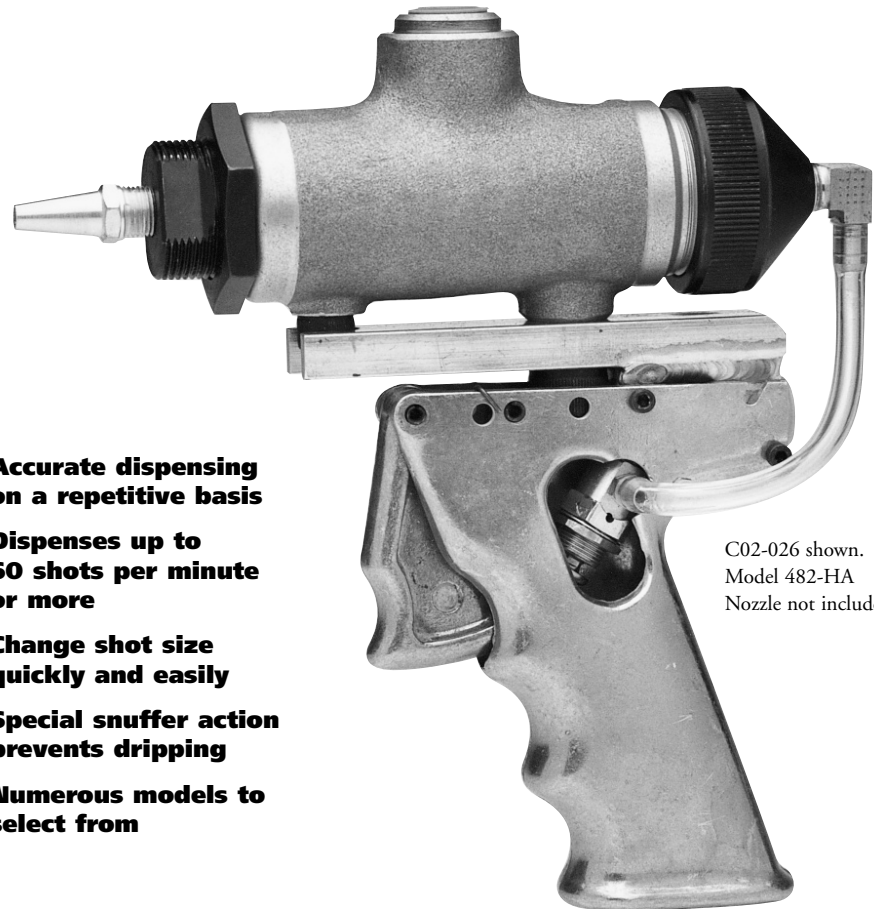
First choice when  
quality counts.™

# AMV™

## Automatic Metering Valve

**Air-operated,  
single-acting  
metered shot  
valve**

- **Accurate dispensing on a repetitive basis**
- **Dispenses up to 60 shots per minute or more**
- **Change shot size quickly and easily**
- **Special snuffer action prevents dripping**
- **Numerous models to select from**



C02-026 shown.  
Model 482-HA  
Nozzle not included.

SEALANT ADHESIVE EQUIPMENT

The AMV Automatic Metering Valve is air-operated and single-acting valve for dispensing accurately metered amounts of material on a repetitive basis.

A built-in air cylinder operates a spool valve which directs pressurized material to either side of a floating piston. This adjustable stroke piston displaces from 0.2 cc to 4 cc's of material with viscosities from 3000 to over 1,000,000 centipoise. Shot size can be easily and quickly changed by lengthening or shortening the piston stroke.

With a minimum 0.2 cc shot of low viscosity material, the AMV will dispense up to 60 shots per minute or higher. With a maximum 4 cc shot of moderate viscosity material, the AMV will dispense up to 15 shots per minute.

A special snuffer action at the end of the dispensing cycle draws material back to prevent dripping or stringing. The AMV has a tapped hole for mounting making it ideal for automatic systems and for use in multiple manifold, high production operations. The unit can be supplied by any standard Graco pump.

U.S. Patents 3,160,331 and 3,132,775.

## Technical Specifications

### Maximum operating

fluid pressure . . . . . 3200 psi (22.0 MPa, 220 bar)

### Minimum operating

fluid pressure . . . . . 50 psi (0.34 MPa, 3.4 bar)

Material inlet . . . . . 1/4 npt(f)

Air supply inlet . . . . . 1/8 npt(f)

### Material outlet

Most models . . . . . 1/8 npt(f)

Model 482-E and 482-DA . . . . . 1/4 npt(f)

Mounting hold . . . . . 7/16 - 20 unf-2B

Minimum air supply pressure . . . . . 50 psi (3.4 bar)

## Ordering Information

### C02-021 AMV Model 482-B

7/8-18 nef externally threaded material inlet boss and 7/16-20 mounting hole.

### C02-022 AMV Model 482-C

7/16-20 unf mounting hole only

### C02-025 AMV Model 482-E

Model 482-C with 1/4 npt(f) fluid outlet.

### C02-026 AMV Model 482-HA

Model 482-C with trigger-actuated pistol grip handle.

### C02-027 AMV Model 482-MS

Model 482-B with seal fluid reservoir and 7/16-20 mounting bolt for moisture sensitive fluids.

### C02-078 AMV Model 482-DA

Model 482-C with double-acting air cylinder and 1/4 npt(f) outlet.

## Repair Kits

### C02-023 Seal Repair Kit

### 3 Piece Matched Needle Sets

C02-036 Fits C02-021, C02-022, C02-025, C02-026, C02-027, C02-078

## Accessories

### C20-023 Mounting Bolt

7/16-20 x 3/4 long

### 970-091 Dispense Hose Kit (does not include applicator)

Includes: 3/8 npt ball valve, 3/8 in. x 3 ft. (0.9 m) nylon core dispense hose and valve inlet fittings.

**Nozzles** See Form No. 305-538 or 305-567.



C02-022  
Model 482-C  
Nozzle not included



C02-078  
Model 482-DA  
Nozzle not included