

High Volume Electric Shot Meter Dispense System



Servo-Flo 502 Shot Meter

- ▶ **Motor, drive and meter are integrated into a single module for small foot print locations**
- ▶ **Integrated servo motor/drive package provides precise positioning and smooth motion for accurate flow control and material dispensing**
- ▶ **One-part shot metering provides positive displacement dispensing accuracy without the need for flow meters**
- ▶ **Remote mounted No-Drip[®], Snuf-Bak[™] or Tip-Seal[™] material dispense valves are available for material dispensing applications**
- ▶ **Components are designed-for-maintenance to provide long life for maximum up-time and fast and easy maintenance**

Precision Metering Unit for Liquid Applied Sound Deadeners and High Viscosity Mastic Materials

The Servo-Flo[®] 502 is a positive-displacement, single-component, single-acting shot meter designed to produce a controlled flow of 1-component materials.

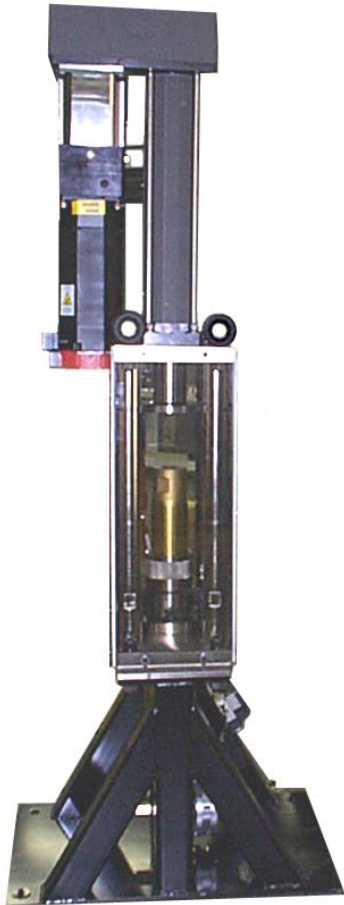
Each meter is appropriately sized to provide the capacity requirements of individual applications, within the constraints of the design.

The Servo-Flo 502 is supplied by high volume pumps and precisely meters the material to the selected dispense valve

Typical Applications

- Body Shop mastic application systems
- Paint Shop water based sound deadener applications
- Robotic mounted dispense valve requirements
- Pedestal mounted dispense valve applications

Servo-Flo[®] 502 Shot Metering System



Servo-Flo 502 Shot Meter
Side View

The SERVO-FLO[®] 502 Meter consists of the following components:

- Servo Motor and Gear Reducer
- Roller Screw Linear Actuator
- Positive-displacement, Single-acting Metering Cylinder with
- Positive Displacement Metering Rod and Seal Cartridge Assembly
- Heavy Duty Frame
- One Inlet Valve attached to the Metering Cylinder that controls the flow of non-metered Material from a Bulk Material Supply Source into the Metering Cylinder
- Two Sensors that detect over travel stroke positions of Meter
- One Solenoid Valve to control the opening and closing of the Inlet Valve
- One Rupture Disc Assembly that provides mechanical High-Pressure relief of excess pressure
- One Pressure Transducer to provide Material pressure feedback
- Safety Guarding around moving components

Technical Information:

Product Number: 2600-005 Series

Meter Type: Single Acting Shot Meter

Maximum Volume: 194 cu. in. (3,190 cc)

Floor Dimensions: 24" w x 36" d x 106" h

Maximum Working Pressure: 2,000 PSI

Nominal Relief Pressure: 2,500 PSI

Linear Rod Travel per Motor Rev: 0.75 mm



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