



Manufacturers of Precision Dispense Systems & Valves

See-Flo[®] 690

Air-Over-Oil Drive Meter System

Fixed Ratio, Positive Rod Displacement Meter-Mix Dispense System



- ▶ **2-component fixed-ratio meter design**
- ▶ **Air-Over-Oil design for smooth even flow rate**
- ▶ **Positive Rod Displacement meter-mix dispense system**
- ▶ **Ideal for or potting, encapsulating or bead dispensing**
- ▶ **Shot size and flow rate control**
- ▶ **Handles all viscosity materials**
- ▶ **Ideal for filled or abrasive materials**
- ▶ **User friendly design and operation**

The Tough One

When the job calls for dispensing beads or volumetric 'shots' of an abrasive or viscous, two component epoxy, silicone, or urethane resin, the See-Flo 690 is the production engineer's system of choice.

Designed to minimize the effects that filled or difficult to handle materials have on automated dispensing, the See-Flo 690 incorporates a host of desirable features to insure reliable and consistent operation.

Metering

Positive displacement meter cylinders and rods, powered by a common Air/Draulic[™] drive, proportion the two components to the material manufacturer's exact volumetric ratio. To minimize the effects of abrasive or filled materials, the hardened and ground meter rods never touch (scrub) the meter cylinder walls throughout the dispense or reload cycle.

Mixing and Clean Cut Off

Low cost, No-Flush disposable plastic mixer/nozzles thoroughly blend the materials prior to dispensing. The dispense valve's Snuf-Bak[™] or No-Drip[™] closing action guarantees a clean material shut off without dripping or stringing.

Shot Control

For metered shot volumes, precise amounts are assured time after time. Shot size is manually adjusted by a cylinder stroke control bolt with a hard stop.

Bead Control

The flow dispense rate remains constant throughout the cycle.



Power Static Mixer
Dispensing into a Mold

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See-Flo[®] 690 Meter-Mix Dispense System



Basic System Control Panel with Operator Interface, Power On-Off Switch, E-Stop Button, Warning Lamp

FEATURES

- Heavy-duty packings increase life with abrasive or heavily filled materials
- Metering cylinder wet cups isolate the material from air and moisture - critical for silicones or urethanes
- Air-Draulic[™] Air-Over-Oil drive precisely regulates the flow rate of mixed materials
- Power inlet (reload) and outlet (dispense) valves eliminate material bypass and insure ratio precision and consistency
- **Snuf-Bak[®] No-Drip dispense valves** prevent material run-on after shut-off
- **No-Flush[™] mixer/nozzles** thoroughly blend the components and eliminate all solvent cleaning
- **Controls:**
 - Micrologix PLC (standard)
 - J-Box for automation applications
 - Program-A-Shot - electronic control when different amounts are required
- **Material supply choices:**
 - Pressure supply tanks (2 gallon to 60 gallon)
 - Transfer pumps for 5g pails, 55g drums or totes



Program-A-Shot Control Option provides Multiple Shot Size Selections



Manual Dispense Valve with No-Flush mixer



Automatic Dispense Valve on XYZ automation system



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