

High viscosity, high volume meter-mix dispense system



See-Flo 488 shown with Air-Oil drive cylinders and mix-dispense Valve

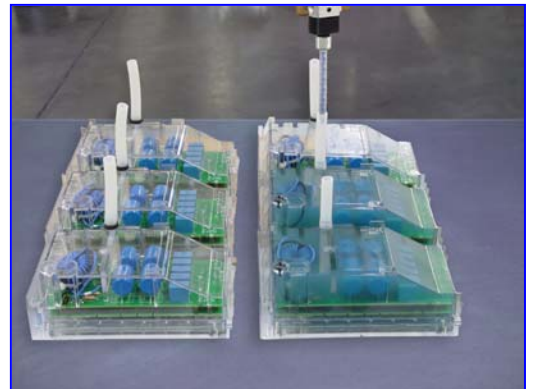
The **See-Flo 488** meter/mix/dispense system is designed for sealing, bonding, or potting applications requiring mixed materials in high volumes. The **488** system is ideal for application's that demand reliable, production proven dispensing equipment that readily interfaces with a robotic work cell or can be manually operated.

For example, the **See-Flo 488** system dispenses precisely sized beads of an exactly mixed two component structural acrylic adhesive. The preset flow rate is constant from start to finish.

The **488** is configured to minimize the abrasive effects of high viscosity or heavily filled reactive resin systems through a design that minimizes wear while making the system easy to service.

Because the **See-Flo 488** dispenses mixed material at a controlled flow rate, the fixture or robot's tool tip speed can be coordinated with the flow rate to produce a consistently sized bead of mixed material throughout the desired path.

- ▶ Positive Rod Displacement Meter/Mix/Dispense System
- ▶ Air/Oil Drive Motor for even and consistent flow rates
- ▶ High viscosity two component adhesives and sealants
- ▶ Precision beads dispensed at a constant flow rate
- ▶ Readily interfaced with automation



See-Flo 488 System Features



- ✓ Single acting, positive displacement metering cylinder assemblies with carbide hardened rods
- ✓ Multiple Polypak style seals in a variety of materials to match material characteristics
- ✓ Heat treated and ground components for abrasion resistance
- ✓ Meter cylinder "Quick Service" seal cartridge assemblies with abrasion resistant seals have **NO** internal wear components or check valves
- ✓ Meter piston rods do not 'scrub' the cylinder
- ✓ Automatic, air-powered material inlet and outlet valves with carbide ball and seat to control the flow of fluids into and out of the meter
- ✓ Dispense flow rate is constant/fixed, but adjustable
- ✓ Allen-Bradley SLC 500 PLC programmable controller

Specifications:

- Divorced design, fixed ratio meter (specify material ratio in parts by volume)
- Material displacement up to 1,418 cc's (86.5 cubic inches) per cycle (at a 1:1 volumetric ratio)
- Wetted components: carbon steel (stainless steel optional)
- Air-Draulic™ (air over oil) power drive
- Material supply pumps matched to material viscosity

Optional features:

- Stainless steel wetted components
- Transducers to monitor system pressures
- Hydraulic or pneumatic power drive
- Material temperature conditioning equipment
- Purge frequency, purge duration timers
- Meter operation/fault sensors
- Cart for portability



See-Flo 488 shown with
Cartridge Fill Mixer Assembly



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