

## Signature Series

The Signature Series is our most customizable meter mix system featuring Fluid Research's proprietary progressive cavity pump technology. Combined with our Sentinel Logic® platform, it is ideal for most dispensing requirements. It is designed to handle multi-component materials, up to three-part formulations. This system can be customized to meet even the most challenging meter mix dispense challenges and can easily integrate into automated work cells or production lines.

The Signature Series is powered by Fluid Research's proprietary Sentinel Logic® software, which includes a touchscreen interface giving the user control and access to many process parameters. This includes flow rate, ratio, shot volumes, heater controls, and day tank status. The platform flexibility offers easy integration of optional flow meters, auxiliary components, and multiple process variables. It can manage a near unlimited number of programmed dispense profiles that include ratio, flow rate, and mass.

### TECHNICAL DATA

- Ratio Range: 1:1 to 20:1 PBV
- Flow Rate: 0.02 cc to 98 cc per second @ 1:1 PBV
- Shot Size: 0.02 cc to 10,000 cc @ 1:1 PBV
- Viscosity Range: 1 to 1,000,000 cps
- Accuracy: +/- 1%
- Shop Air: 100 psi 2-5 SCFM
- Power: 120 – 240 VAC  
single phase and 208 VAC  
3 phase, 50/60 Hz



## FEATURES

- Industrial computer controlled
- 15" full color HMI touchscreen
- Wear resistant, continuous flow Progressive Cavity Pumps
- Nearly unlimited stored programs
- Automation interface
- Independent AC motors and drives
- Multi-level password protection
- Static mixing or disposable dynamic mixing
- Stat-a-Seal dispense head
- Level sensing
- Tool-less calibration
- Caster mounted for ease of mobility
- Data logging
- Periodic maintenance reminders
- Various stator elastomers available to insure compatibility with nearly any chemistry



Fluid Research is a manufacturer of metering, mixing, and liquid dispensing systems including both standard and specialized benchtop and fully automated machines for any size job. With over 45 years of experience, Fluid Research is the knowledge leader in liquid control delivering high quality dispensing solutions for your application and full technical support.

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## OPTIONS

- 1–30-gallon stainless steel tanks
- Heating
- Recirculation for filler homogeneity
- Agitation
- Coriolis or gear flow meters
- Auto refill from bulk containers (pails, drums, totes)
- Vacuum degassing
- Desiccant dryer or nitrogen blanketing for moisture protection
- Barcode reader compatible
- NeverEmpty Material Management
- Uninterrupted power supply (UPS)
- Compatible with Material Management Units & Pail/Drum Emptying Systems