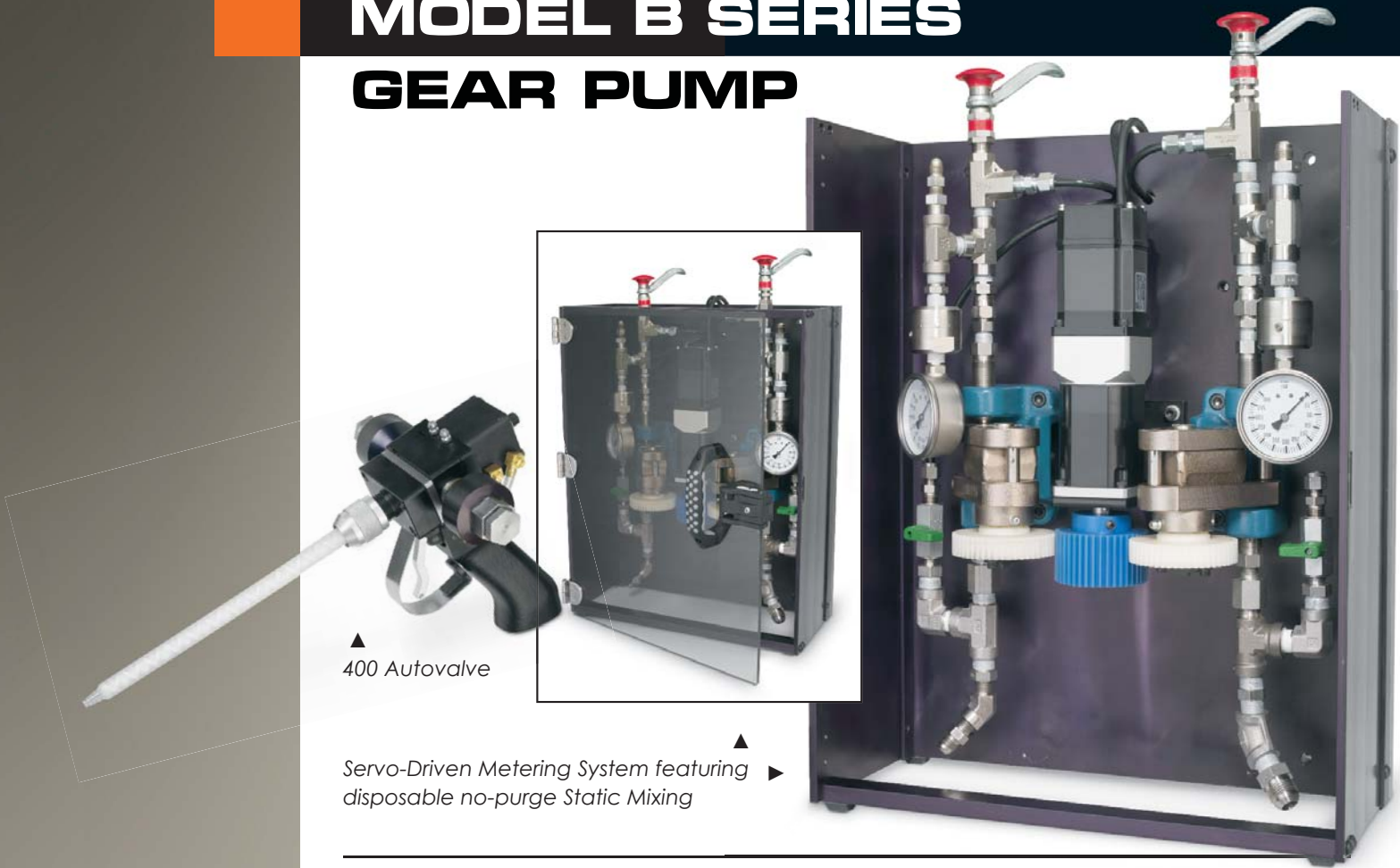


# MODEL B SERIES GEAR PUMP



▲ 400 Autovalve

▲ Servo-Driven Metering System featuring  
▶ disposable no-purge Static Mixing

The Servo-Driven B-Series Gear Pump Metering System will deliver tightly controlled dispense rates for use in critical bead and xy applications. The pumps are driven at an electronically controlled rate by a single, compact gear-reduced motor. The rate is set by entering a value on the Rate Controller.

The time proven B-Series Pump design was originated in 1926 when a better, more precise alternative to existing designs (diaphragm, lobe coarse gear, plunger and screw pumps) was sought. Each had problems with pulsation, flow inaccuracies, multiple seal area and slippage, which required constant calibration, high maintenance and extended downtimes.

The B-Series Pump is a rotary external gear pump of unique precision and simplicity.

Tolerances of  $\pm .00005"$  are held, minimizing internal clearances and assuring accurate, precise metering. The pump's simple design with only three moving parts - two metering gears and a drive shaft - provide long life and easy maintenance.

Mixing at the dispense head takes place through disposable static mixers, thus eliminating the need for costly solvents.

For those applications in which flow rate consistency is of the utmost importance, the B-Series offers unparalleled performance.

Call us today for pricing and ordering information.



# MODEL B SERIES GEAR PUMP

## Model B-Series Gear Pump Specifications:

Pump Type: ..... Rotary external spur gear, single stream

Operating Speed: ... 3-180 rpm depending upon application conditions and fluid viscosity

Temperature: ..... To 300°F (150° C). Heat jacket required above ambient temperatures

## Benefits:

- **High Accuracy.** Stable, repeatable flows are assured even under varying conditions of temperature, viscosity and pressure.
- **Minimum Pulsation.** Unique design offers virtually pulseless flow without valves or flexible elements to hinder performance.
- **Precision Construction.** Ground and lapped components and built-in dowels allow for close control of operating clearances.
- **High Volumetric Efficiency.** Maximum efficiency is achieved with optimum operating clearances.
- **Corrosion Resistant.** 400 Series stainless steel provides good bearing qualities and the necessary corrosion resistance for most standard chemical processes.
- **Maximum Life.** Only three moving parts; components are through-hardened to 54 HRC or better.

\* Specifications subject to change with notice

01/09

