

ISO-2000 Isocratic Pump



- **Prime-purge valve**
- **Pulse dampener**
- **LED display**
- **Pressure readout**
- **3 year warranty!**

Meets demanding applications

The patented low dead volume pulse damper and rapid refill in the ISO-2000 make this single-piston pump virtually pulse-free. It meets the requirements of the most demanding detectors.

Analytical and preparative separations

Flow rates from 0.001 to 5.0mL/min.; 0.01 to 10 ml/min.; or 0.1 to 40 ml/min. are available.

Material compatibility

Available in either traditional 316 stainless steel or biocompatible PEEK™ (polyetherether ketone) for metal-sensitive applications. Choose the material best suited for each application.

Easy solvent changes

Autoprime™ one-button purging makes it easy to prime or purge the pump.

Reduced maintenance

Seal life is dramatically extended by actively flushing the back of the primary seal with a flushing solution. The result is less down-time and reduced operating expenses. The self-flush is automatic; just change the flushing fluid weekly. Seals can be changed in five minutes without tools.

Works in your existing system

The ISO-2000 is a direct replacement for many of the leading brands of pumps.

Performance beyond its price and the security of a 3-year warranty

The use of modern digital stepper motor technology and the proven single-piston design gives the performance of the most expensive pumps at a fraction of their cost. The operating cost is lower too, due to the simplicity of the design and fewer number of parts required. It's so reliable it carries a three-year warranty.

Chrom Tech, Inc.

"your chromatography specialists"

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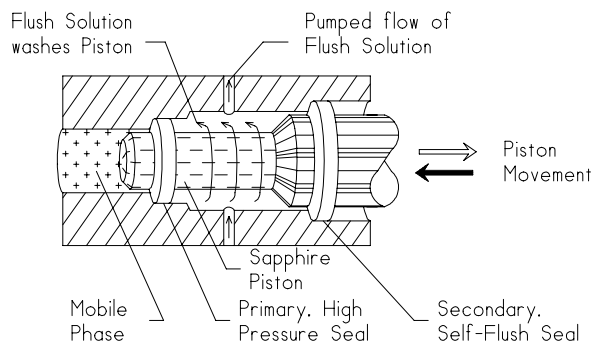
ISO-2000 Isocratic Digital Pump

The ISO-2000 pump consists of a series of modular subassemblies packaged to meet any isocratic application requirements. The extensive use of digital logic and a micro-stepped motor allow for precise and flexible control. The user interface consists of an LED display and keypad. The use of the self-flush head and a three-year warranty ensure years of trouble-free service. Method development is easy with Autoprime™ purging. External control gives flexible performance at an affordable price. The upper and lower pressure limits can be easily set and the pressure can be monitored on the LED display.

The ISO-2000 is designed to give the modern chromatographer state-of-the-art capability at a value price.

Intended applications

- **Isocratic applications and metering**
- **Biocompatible applications**
- **Semi-preparative to 40 ml/min.**
- **Research and development**
- **Quality assurance**
- **Education**



Self-Flush Mechanism

Seal life is dramatically extended by actively flushing the back of the primary seal with a flushing solution. The result is less down-time and reduced operating expenses. The self-flush is automatic, just change the flushing fluid weekly. Seals can be changed in five minutes without tools.

ISO-2000 Pump Specifications:

Flow rates: 0.001 to 5.00 mL/min.
0.01 to 9.99 mL/min.
0.1 to 40 mL/min.

Pressure: 0 to 6,000 psi (5 & 10mL SS heads)
0 to 5,000 psi (5 & 10mL PEEK heads)
0 to 1,500 psi (40mL head)

Accuracy: 2%

Precision: 0.2% RSD

Dimensions: 5.5" (H) x 10.4" (W) x 17.5" (D)

Weight: 24 pounds

Power: 100/110 V ac; 220 V ac 50/60 Hz

Remote inputs: Frequency (0-10 kHz),
enable run, stop, RS-232,
voltage (0-10 volts)



ISO-2000 Ordering Information

Cat. No. Description

- P-2005** ISO-2000 Pump, SS 5 mL/min.
P-2010 ISO-2000 Pump, SS 10 mL/min.
P-2040 ISO-2000 Pump, SS 40 mL/min.
P-2005B ISO-2000 Pump, PEEK 5 mL/min.
P-2010B ISO-2000 Pump, PEEK 10 mL/min.
P-2040B ISO-2000 Pump, PEEK 40 mL/min.

Accessories

- P-1070** Injector mounting bracket
P-1072 Column mounting bracket

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