

ISO-1000 Isocratic Digital Pump



The ISO-1000 is an isocratic pump for basic applications.

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

Meets demanding applications

The patented low dead volume pulse damper and rapid refill in the ISO-1000 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-1000 is a direct replacement for many pumps, including Waters, Shimadzu, and other leading brands.

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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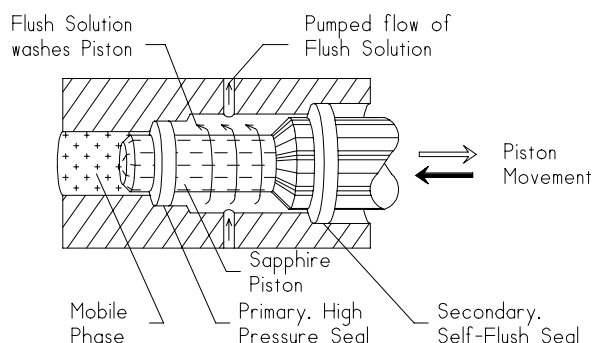
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ISO-1000 Isocratic Digital Pump

The ISO-1000 pump consists of a series of modular subassemblies packaged to meet basic metering and chromatography 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. The ISO-1000 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-1000 Pump Specifications:

- Flow rates:** 0.001 to 5.0 mL/min.
0.01 to 9.99 mL/min.
0.1 to 39.9 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)
- Remote control:** RS-232 and run/stop
- Accuracy:** 2%
- Precision:** 0.2% RSD
- Dimensions:** 5.5" (H) x 10.4" (W) x 17.5" (D)
- Weight:** 24 pounds
- Power:** 100/110 Volts ac;
220 Volts ac 50/60 Hz



ISO-1000 Ordering Information

Cat. No.	Description
P-1005	ISO-1000 Pump, 316 SS 5 mL/min.
P-1010	ISO-1000 Pump, 316 SS 10 mL/min.
P-1040	ISO-1000 Pump, 316 SS 40 mL/min.
P-1005B	ISO-1000 Pump, PEEK 5 mL/min.
P-1010B	ISO-1000 Pump, PEEK 10 mL/min.
P-1040B	ISO-1000 Pump, PEEK 40 mL/min.

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