

ISO-100 Isocratic Digital Pump



The ISO-100 introduces a new cost/performance range to HPLC pumps.

High performance at a low cost

The ISO-100 uses new manufacturing techniques and proven fluidics to give the highest performance at the lowest cost.

Wide flow rate range

The ISO-100 is available in three flow rate ranges: 0.01-10.0 mL/min, and 0.1-40.0 mL/min. All models are available in either PEEK or SS.

Saves bench space

The ISO-100 requires only 6-1/2 inches by 10 inches deep of valuable bench space.

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.

Positive seal-washing standard

The exclusive self-flush head extends seal life dramatically by removing salts and wetting the seal.

Easy maintenance

The completely disposable head assembly can be changed in seconds at the price similar to seals and check valves in most pumps.

Flexible advanced control

The ISO-100 is RS-232C control-compatible and operates with simple commands from any terminal or computer program.

High performance/Low cost

The ISO-100 introduces a new class of HPLC pumps capable of use in critical metering applications and all isocratic HPLC applications where pressure above 2500 psi is not required.

Chrom Tech, Inc.

“your chromatography specialists”

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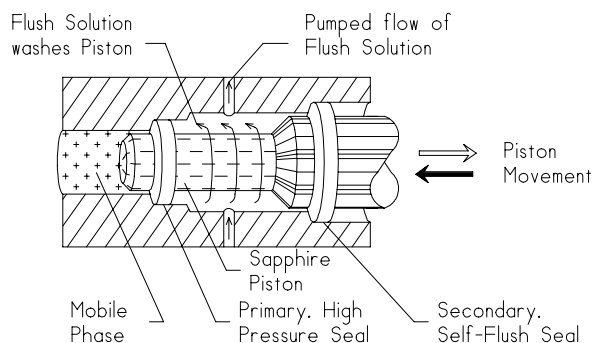
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ISO-100 Isocratic Digital Pump

The ISO-100 pump is designed for applications where high performance and a low price are required. The single-piston pump uses a digital stepper drive and rapid refill to deliver performance similar to that of a dual-piston pump. The use of an optimized fluid path and simplified design keep the cost low. The simplified design also lets you change the entire liquid end at the price most companies charge for a set of seals and check valves. The extensive use of high-performance plastics and housing materials assures long life in laboratory environments.

The pump is designed for easy incorporation into any analytical instrument and requires less than one square foot of bench space. The LED display can provide additional information when the pump is controlled through its standard RS-232 port.



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-100 Isocratic Pump Specifications:

Pump Flow Rate	Pressure Rating
0.01-10.0 mL/min	2500 psi PEEK/SS
0.1-40.0 mL/min	650 psi PEEK/SS

Accuracy: 2%
Pulsation: 2% peak-to-peak at 1000 psi, 1 mL/min. with LO-Pulse™ pulse damper in line

Flow rate precision: 0.5%

Remote control: RS-232 and run/stop

Dimensions: 6.5" (H) x 6.5" (W) x 13" (D)

Weight: 10 lbs.



ISO-100 Ordering Information

Cat. No. Description

P-010 ISO-100 Pump, PEEK, .01-10.0 mL/min.

P-010S ISO-100 Pump, SS, .01-10.0 mL/min.

P-040 ISO-100 Pump, PEEK, .1-40.0 mL/min.

P-040S ISO-100 Pump, SS, .1-40.0 mL/min.

ISO-100 Pump with Voltage Control, Pulse Damper and Pressure Transducer*

P-010P ISO-100 Pump, PEEK, .01-10.0 mL/min.

P-010SP ISO-100 Pump, SS, .01-10.0 mL/min.

* Pressure transducer allows upper and lower pressure limits to be set and pressure can be monitored on the LED display.

ISO-100 Pump with Voltage Control

P-040V ISO-100 Pump, PEEK, .1-40.0 mL/min., Voltage Control

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