

Series I Isocratic Digital Pump



The Series I introduces a new cost/performance range to HPLC pumps.

High performance at a low cost

The Series I uses new manufacturing techniques and proven fluidics to give the highest performance at the lowest cost.

Wide flow rate range

The Series I operates from 0.01 mL/min. to 10.00 mL/min. at pressure ratings up to 2500 psi, allowing both analytical and small-scale preparative applications.

Saves bench space

The Series I requires only 6.5 inches by 10 inches deep of valuable bench space.

Fully biocompatible

PEEK, ceramic, and other inert fluid path materials ensure a wide range of solvent compatibility while protecting labile samples.

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 Series I is RS-232C control-compatible and operates with simple commands from any terminal or computer program.

The best performance per money spent

The Series I 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.

Series I Isocratic Digital Pump

Product description

The Series I 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.

Ordering information

<i>Description</i>	<i>Part No.</i>
Series I Pump, 120V	120698
Series I Pump, 220V	120712

Specifications

Rated Pressure	2500 psi
Flow rates	0.01 to 9.99 mL/min.
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 10" D
Weight	10 pounds
Power	120/230 Volts ac; 50/60 Hz
Materials	PEEK, ceramic, and inert polymers