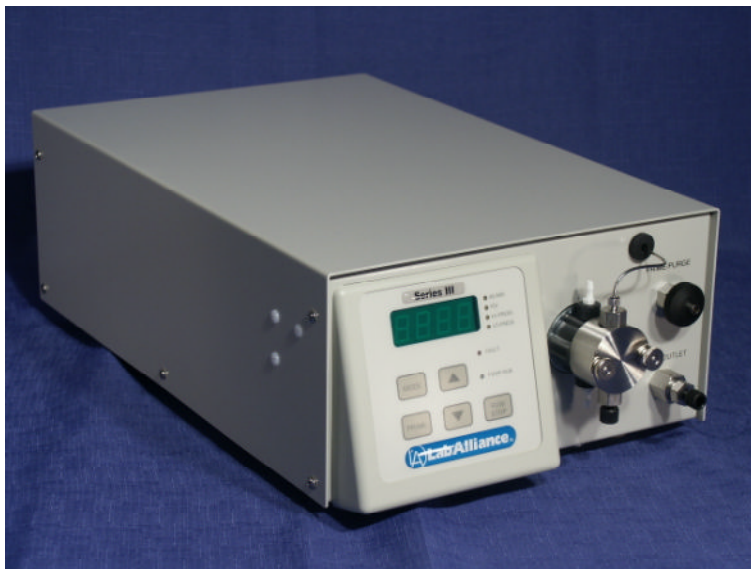


Series III Digital Pump



The Series III is an isocratic pump for advanced applications.

Meets the most demanding applications

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

Analytical and semi-prep separations

Flow rates from .001-5 mL/min., 0.01-10 mL/min., and 0.1-40 mL/min. are available.

Material compatibility for all applications

The Series III is available in either traditional 316 stainless steel or biocompatible PEEK™ (polyetherether ketone) for metal-sensitive applications.

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.

Easy solvent changes

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

Works in your existing system

The Series III 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 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.



www.laballiance.com

800-345-5557; 814-234-7317 Fax: 814-238-6072

Series III Digital Pump

Product description

The Series III 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 self-flush head and a three-year warranty ensure years of trouble-free service. Method development is easy with Autoprime™ purging. Upper and lower pressure limits can be easily set, and the pressure can be monitored on the LED display. External control gives flexible performance at an affordable price.

When combined with a Series II or III pump, keypad controller, detector, and injector, you have an economical, flexible binary gradient system.



Series III Binary Gradient System

Intended applications

- Isocratic applications and metering
- Biocompatible applications
- Semi-preparative to 40 mL/min.
- Quality assurance
- Education

Specifications

Flow rates	.001-5 mL/min. 0.01-10 mL/min. 0.1-40 mL/min.
Pressure	0 to 6,000 psi (5 & 10 mL heads) 0 to 1,500 psi (40 mL head)
Accuracy	2%
Precision	0.2% RSD
Dimensions	5.5" H x 10.4" W x 17.5" D (15 x 13 x 28 cm)
Weight	24 pounds (11 kg)
Power	100/110 Volts ac; 220 Volts ac 50/60 Hz
Features	Prime-purge valve Pulse damper Self-flushing pump head LED display
Remote inputs	RS-232 Frequency (0-10 kHz), enable run, stop, voltage (0-10 volts)

Ordering information

305SFD01	Series III pump, .001-5 mL/min, Self-flush, minipulse damper with pressure, SS
305PFD01	Series III pump, .001-5 mL/min, Self-flush, minipulse damper with pressure, PEEK
305SFM01	Series III pump, .001-5 mL/min, Self-flush, minipulse damper (no pressure), SS
305PFM01	Series III pump, .001-5 mL/min, Self-flush, minipulse damper (no pressure), PEEK
310SFT01	Series III Pump, self-flush, 0.01-10 mL/min., SS, 110/220V, with pressure
310PFT01	Series III Pump, self-flush, 0.01-10 mL/min., PEEK, 110/220V, with pressure
340SFT01	Series III Pump, self-flush, 0.1-40.00 mL/min., SS, 110/220V, with pressure
340PFT01	Series III Pump, self-flush, 0.1-40.00 mL/min., PEEK, 110/220V, with pressure