

Series I

Economical Digital Pump



Series I Digital Pump for Chromatography or General Metering Applications

High performance at a low cost

The Series I pump 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. – 10 mL/min. at pressure ratings up to 2500 psi; or from 0.1-40 mL/min. (650 psi), allowing both analytical and small-scale preparative applications.

Saves bench space

The Series I requires only 6-1/2 inches by 13 inches deep of valuable bench space.

Choice of materials

The choice of Stainless Steel or PEEK fluid paths make the Series I ideal for pumping solutions as diverse as distilled water, organic solvents, or radioactive slurries.

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 represents a class of HPLC pumps for use in critical metering applications and all isocratic HPLC applications where pressure above 2500 psi is not required.

All LabAlliance pumps include a 3-year warranty.



A division of Scientific Systems, Inc.
www.laballiance.com

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STANDARD FEATURES

- Self-flushing Pump Head
- Stainless Steel or PEEK Fluid Path
- Simple Keypad Controls with LED Display (0.1 mL increments)
- Single Piston with Electronic Rapid Refill Mechanism
- Motor Stall Detector
- RS-232 Serial Com Port for Control & Status Monitoring

PERFORMANCE SPECIFICATIONS & ORDERING INFORMATION

	10 mL	40 mL	10 mL with pressure	40 mL with voltage, and frequency control
Flow Rate:	.01 - 10 mL/min.	0.1 - 40.0 mL/min.	.01 - 10 mL/min.	0.1 - 40.0 mL/min.
Maximum Pressure:	2500 psi	650 psi	2500 psi	900 psi
Flow Accuracy	2%	± 5% (at midpoint of flow)	2%	± 5% (at midpoint of flow)
Flow Precision	0.5% RSD	0.5% RSD	0.5% RSD	0.5% RSD
Remote control	RS-232 and run/stop	RS-232 and run/stop	RS-232 and run/stop	RS-232 and run/stop
Physical	6.5" H x 6.5" W x 13" D	6.25" H x 7.75" W x 12.75" D; 19 lbs. 16 x 20 x 32 cm; 2.8 kg	6.5" H x 6.5" W x 13" D	6.25" H x 7.75" W x 12.75" D; 19 lbs. 16 x 20 x 32 cm; 2.8 kg
Materials	PEEK and inert polymers or Stainless Steel	PEEK and inert polymers or Stainless Steel	PEEK and inert polymers or Stainless Steel	PEEK and inert polymers or Stainless Steel
Power	120/230 Vac; 50/60 Hz	120/230 Vac; 50/60 Hz	120/230 Vac; 50/60 Hz	120/230 Vac; 50/60 Hz
Ordering information	110PFN01 Series I 10 mL, PEEK	140PFN01 Series I 40 mL, PEEK	V10PFT01 Series I 10 mL, with pressure monitoring, PEEK	V40PFN01 Series I 40 mL voltage, and frequency control, PEEK
	110SFN01 Series I 10 mL, stainless steel	140SFN01 Series I 40 mL, stainless steel	V10SFT01 Series I 10 mL with pressure monitoring, stainless steel	V40SFN01 Series I 40 mL voltage, and frequency control, stainless steel