

Series 1500 HPLC Pump



The Series 1500 HPLC Pump has been designed for analytical to small-scale preparative chromatography applications. The patented low-dead-volume pulse

dampener and dual piston mechanism make this pump virtually pulse-free, and provide unmatched performance for the most demanding applications. The unit provides flow rates from 0.01 to 12.0 mL/min., and is typically suitable for columns from 2 mm to 22 mm ID.

SPECIFICATIONS

Flow Rates	0.01 - 12.0 mL/min
Pressure	Stainless Steel: 0 – 6,000 psi; PEEK: 0 – 5,000 psi
Pulsation	± .5% @ 1mL/min and 1,000 psi
Pressure Accuracy	± 1% of full scale pressure
Flow Accuracy	± 2%
Flow Precision	0.2% RSD
Dimensions	6" H x 11" W x 18" D (15 x 26 x 46 cm)
Weight	30 lbs (14 kg)

STANDARD FEATURES & CONTROLS

- ◆ Dual Self Flushing Pump Heads for Reduced Pulsation
- ◆ Pulse Damper for Reduced Dead Volume
- ◆ Real-time pressure monitoring with upper/lower pressure limits.
- ◆ Remote 0-10 volt & remote 0-10 kHz Flow Rate Control Input
- ◆ Simple Front Panel Key Pad Controls with LED Display
- ◆ Autoprime™ one button toggles flowrate to maximum for rapid solvent change
- ◆ Motor Stall Detector
- ◆ Dual ball and seat Check Valves for Consistent Flow Performance
- ◆ Prime Purge Valve
- ◆ RS-232 Serial Com Port for Complete Control & Status Monitoring
- ◆ Run/stop Inputs (5 volt TTL type)
- ◆ Stainless Steel or PEEK Fluid Path

Ordering Information:

Configure your pump to your specifications using the key at right:

PN: LABP – X – F – 05 – X – F – X – F001
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 Voltage Material Pressure Option

Key:

Voltage

D = 110-120 Vac, 50-60 Hz

E = 220-240 Vac, 50-60 Hz

Material

S = 316 Stainless Steel

P = PEEK Plastic

Pressure Option

N = Basic pump – no pressure

D = Pressure setting & reading capabilities

The Series 1500 drive features a linear cam and pressure compensation to provide accurate gradients in the high- or low-pressure mode.

Standard controls include RS-232 serial communication port and Run/Stop inputs, remote frequency and remote voltage controls, real-time pressure monitoring, and constant flow.

The high-performance mechanical design provides accurate pressures to 6,000 psi. All LabAlliance pumps include a 3 year warranty.