PR Class

High-Flow Dual Head Pumps

The rugged ***PR Class*** consists of dual-headed, positive displacement piston pumps that provide high, accurate flows and excellent pressure capability for a variety of uses. Standard fluid path materials are Stainless Steel and PEEK, in addition to optional Titanium. Other available features include jacketed heads for temperature controlled processes.

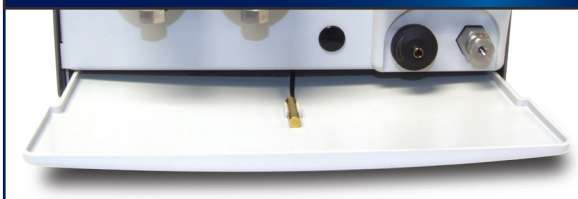
The pumps are designed for a wide range of Preparative and Semi-Prep Chromatography, as well as SMBC (simulated moving bed chromatography), and many process and industrial applications. With 100 mL/min and 300 mL/min versions, reaching pressures up to 4,000 psi, the pumps will meet the most demanding LC and process needs.

Features include an integrated Prime-Purge Valve, interactive keypad control, and complete PC control and status through RS-232 and Micro USB 2.0 ports. The ***PR Class*** provides the flow rates and pressures required for high throughput separations.

Components are also available in Kit Form for OEM Applications.

Enhanced Cosmetic Design

Drip Tray & Leak Sensor



Flow Rate	Pressure	Fluid Path	Control
100 mL/min **300** mL/min	Up To **4,000 psi** (100 mL/min)	Stainless Steel, PEEK, or Titanium	RS-232, Micro USB, Run/Stop, Analog (0-10V, 4-20mA)

PR CLASS - Model Selection Matrix

High Flow Dual Head Pumps for Preparative Chromatography, Process & SMBC Applications

Use the Following Lists of Options and Option Codes to Construct Your Pump Model Number.

P R	___ ___ ___	___	___	___	___	___	___ ___
Pump Class	**Flow Rate**	**Material**	**Self-Flush**	**Pulse Dampener**	**Piston Seal**	**Inlet/Outlet Tubing**	**Special Options**
P R = PR Class	1 0 0 = 100 mL/min (4,000 psi max.) 3 0 0 = 300 mL/min (1,000 psi max.)	S = Stainless Steel Fluid Path P = PEEK Fluid Path T = Titanium Fluid Path J = Jacketed SS Pump Heads	F = w/ Self-Flush Piston Wash N = No Self-Flush	P = Pulse Dampener Only No Pressure or Leak Sensors T = Pulse Dampener w/ Pressure & Leak Sensors N = No Pulse Dampener No Pressure or Leak Sensors X = No Pulse Dampener w/ Pressure & Leak Sensors	1 = Standard Seal (SS Energizer) 2 = Organic Seal (SS Energizer) 3 = Standard Seal (FP Energizer) SS = Stainless Steel FP = Fluoropolymer	Inlet / Outlet A = 1/8" OD (flexible) / 1/16" OD B = 1/8" OD (rigid) / 1/16" OD C = 1/8" OD (rigid) / 1/8" OD (rigid) D = 1/8" OD (flexible) / 1/8" OD (flexible) E = 1/4" OD (rigid) / 1/8" OD (rigid) F = 3/16" OD (flexible) / 1/8" OD (rigid) G = 1/8" OD (flexible) / 1/8" OD (rigid) Note: Inlet and Outlet Fittings are included with the pump for the specified tubing. For options A, D, E, F, and G, flexible inlet tubing and filter are included.	_ _ = Standard Product (leave blank for standard options & cabinet) X X = Customer Special (Consult Factory)

Example Model Number: P R 1 0 0 S F P 1 C

Please Note: Some features and options are not available with certain configurations. Please refer to the Part Number Configurator (Excel) to verify model number before ordering. Download at: www.ssihplc.com/configurator/

PR CLASS - Specifications

Flow Rate Range and Max. Pressure Ratings* ..... 0.0 - 100.0 mL/min (4,000 psi)
0.0 - 300.0 mL/min (1,000 psi)

Pulsation** ..... ≤4.0% @ 50 mL/min and 500 psi

Pressure Accuracy ..... ±2% of full scale pressure

Flow Accuracy ..... Within 3% of set flow rate, 2.0 mL/min and above; 80:20 Water/IPA @ 1,000 psi (100 mL)
Within 4% of set flow rate, 5.0 mL/min and above; 80:20 Water/IPA @ 500 psi (300 mL)

Flow Precision ..... 0.5% RSD

Wetted Materials ..... (See Above Options), Synthetic Ruby, Sapphire, UHMWPE, PTFE

Dimensions ..... 6.3" H x 10" W x 17" D (16 x 25.4 x 43.2 cm)

Weight ..... 30 lbs. (13.6 kg)

Power ..... 100-240 Vac (± 10%), 50-60 Hz

Control ..... RS-232, Micro USB, Run/Stop, Analog (0-10V, 4-20mA)

* Flow Rate is dependent on solvent selection and operating pressure. ** Pulsation value with pulse dampener.