

ISCO PR ReaXus Reciprocating Pump

Brand:

Product Code: isco-pr

Availability: Call for availability



Description

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. 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 4000 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.

Flow Rate

- 100 mL/min
- 300 mL/min

Pressure

- Up to 4,000 psi
- (100 mL/min)

Fluid Path

- Jacketed Stainless Steel

Control

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

Specifications

Flow Rate Range and Max. Pressure Ratings

- 0.0–100 mL/min (4,000 psi)
- 0.0–300 mL/min (1,000 psi)

Pulsation: ?4% @ 50 mL/min and 500 psi (100 mL)

Pressure Accuracy: $\pm 2\%$ of full scale pressure

Flow Precision: 0.5% RSD

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 ($\pm 10\%$), 50–60 Hz

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