

# 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:** ±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)