ISCO LD ReaXus Reciprocating Pump



Brand:
Product Code: isco-ld
Availability: Call for availability
Call for Price: 832-320-7300

Description

The versatile LD Class consists of dual-headed, positive displacement piston pumps, delivering unmatched performance for analytical, flash, and small-scale preparative chromatography applications. The pumps are designed for high flow rate accuracy and low pulsation required for Analytical Liquid Chromatography (HPLC). Standard fluid path materials are Stainless Steel and Hastelloy. Other available features include jacketed heads for temperature controlled processes. With 12 mL/min, 36 mL/min, and 100 mL/min versions, reaching pressures up to 6,000 psi, these pumps will meet the performance requirements of demanding HPLC needs. The high performance linear cams, along with automatic pressure compensation, provide precise flow rates for very accurate high pressure and low pressure gradients. Standard features include an integrated Prime-Purge Valve, Pulse Dampener, interactive keypad control, and complete PC control and status through RS-232 and Micro USB 2.0 ports. The LD Class provides the precise flow and low pulsation for the most challenging separations. Flow Rate <ul> 12 mL/min 36 mL/min 100 mL/min Pressure <ul> Up To 6,000 psi (12 mL/min) Fluid Path <ul> Stainless Steel, Jacketed Stainless Steel, Hastelloy, Jacketed Hastelloy Control <ul> RS-232, Micro USB, Run/Stop, Analog (0–10V, 4–20mA) <h2>Specifications</h2> Flow Rate Range and Max. Pressure Ratings <ul> 0.01–12.000 mL/min (6,000 psi) 0.01–36.00 mL/min (6,000 psi) 0.01–100.0 mL/min (1,000 psi) Pulsation <ul> ?0.5%

@ 1 mL/min and 1,000 psi (12 mL) ?2% @ 1 mL/min and 1,000 psi (36 mL) ?4% @ 50 mL/min and 250 psi (100 mL) Pressure Accuracy: ±2% of full scale pressure Flow Precision <ul> 0.2% RSD (12 mL) 0.5% RSD (36 mL, 100 mL) Flow Accuracy <ul> Within 2% of set flow rate, 0.200 mL/min and above; 80:20 Water/IPA @ 1,000 psi (12 mL) Within 2% of set flow rate, 0.80 mL/min and above; 80:20 Water/IPA @ 1,000 psi (36 mL) Within 2% of set flow rate, 2.0 mL/min and above; 80:20 Water/IPA @ 500 psi (100 mL) Flow Precision: 0.2% 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)