

ISCO M1 ReaXus Reciprocating Pump

Brand:

Product Code: isco-m1

Availability: Call for availability



Description

The compact M1 Class HPLC Pump consists of single-headed, positive displacement piston pumps that deliver high-performance and precision at an affordable price.

Applications include precise chemical metering, dispensing, and specific HPLC separations. Standard fluid path material is Stainless Steel. With 10 mL/min, 40 mL/min, and 100 mL/min versions, reaching pressures up to 2,000 PSI, these pumps capture the majority of typical laboratory fluid transfer applications.

Features include interactive keypad control, Pulse Dampener and Outlet Filter, RS-232 Serial and Micro USB 2.0 ports for complete PC control and status, as well as hardware for laboratory stand mounting. Having the smallest possible footprint for a high pressure pump, the M1 Class will easily integrate into any laboratory or industrial environment.

Flow Rate

- 10 mL/min
- 40 mL/min
- 100 mL/min

Pressure

- Up to 2,000 psi (10 mL/min)

Fluid Path

- Stainless Steel

Control

- RS-232, Micro USB, Run/Stop

Specifications

Flow Rate Range and Max. Pressure Ratings:

- 0.01–10.00 mL/min (2,000 psi)
- 0.01–40.0 mL/min (500 psi)
- 0.01–100.0 mL/min (250 psi)

Flow Accuracy:

- Within 2% of set flow rate, 0.20 mL/min and above; 80:20 Water/IPA @ 1,000 psi (10 mL)
- Within 5% of set flow rate, 0.8 mL/min and above; 80:20 Water/IPA @ 100 psi (40 mL)
- Within 5% of set flow rate, 2 mL/min and above; 80:20 Water/IPA @ 100 psi (100 mL)

Flow Precision: 1.0% RSD

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

Dimensions: 5.5" H x 3" W x 10.5" D (14 x 7.6 x 26.7 cm)

Weight: 3.5 lbs. (1.6 kg)

Power: External Power Supply; To Supply: 100-240 Vac, 50-60 Hz, 1A; Supply to Pump: 24Vdc, center positive, 2.1 mm post, 1.7 AMP

Control: RS-232, Micro USB, Run/Stop