

ReaXus MX Class

High Performance Isocratic
Pumps at an Affordable Price



REAXUS

The economical MX Class consists of single-headed, positive displacement piston pumps incorporating additional features for challenging applications. With

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Further applications include demanding metering and dispensing, as well as Sample Injection, Infusion, or Cone Wash for Mass Spectrometers. Standard fluid path material is Stainless Steel.

Features include pressure monitoring with automatic pressure compensation, Pulse Dampener, integrated Prime-Purge Valve, interactive keypad control, and complete PC control and status through RS-232C, micro-USB, and Ethernet serial communications. Requiring minimal bench space for the performance, the MX Class will easily integrate into most workspaces.

FLOW RATE

10 mL/min

PRESSURE

Up To 5,000 psi
(10 mL/min)

FLUID PATH

Stainless Steel

CONTROL

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

MX CLASS Specifications

Flow Rate Range	0.01 – 10.00 mL/min
Flow Rate Increment	0.01 mL/min
Flow Rate Accuracy*	±2% (1.5 – 10.0 mL/min; 80:20 Water/IPA; 1,000 psi)
Flow Reproducibility	1%RSD (1.5 – 10.0 mL/min; 80:20 Water/IPA; 1,000 psi)
Maximum Delivery Pressure	5,000 psi
Pressure Accuracy	±50 psi
Pulsation	≤1.0% @ 1 mL/min and 80:20 Water/IPA; 1,000 psi
Piston Displacement	25.1 µL
Piston Wash	Self-flushing pump heads – continuous wash without auxiliary pump
Wetted Materials	316 Stainless Steel, Synthetic Ruby, Sapphire, UHMWPE, PTFE, ETFE, PFA, PEEK
Dimensions (H x W x D)	6.4" x 7.0" x 16.0" (16.1 x 17.8 x 40.6 cm)
Weight	14.2 lbs (6.4 kg)
Power	100 – 240 Vac (±10%), 50 – 60 Hz, 45 W
Front Panel	5-digit LED to monitor flow rate, pressure, and indicate parameters and alarms. Run/Stop, Prime, and menu keys, seven status indicators, Increase/Decrease displayed parameters.
Communication	RS-232, micro-USB, LAN (serial communications) Run/Stop TTL, Analog flow control (0–10 V, 4–20 mA)
Viscosity**	0.5 – 3.5 cP
Liquid Temperature	0 – 82 °C
Environment	Indoor use only (Pollution degree 2)
Altitude	Up to 2000 m (6500 ft)
Ambient Temperature	10 – 30 °C
Humidity	20 – 90% relative humidity

*Flow Rate is dependent on solvent selection and operating pressure

**Range of fluid viscosities where published flow accuracy is maintained

MX CLASS—Order Numbers

CONSTANT FLOW

STAINLESS STEEL, W/O TEMP JACKET

Stainless Steel Fluid Path; with Pulse Dampener, Pressure & Leak Sensors;
Standard Seal (Stainless Steel Energizer); Constant-Flow Control Mode

0.01–10.00 mL/min; 5,000 psi# MX010SFT1XFTL

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