

ReaXus MX Class

High Performance Isocratic
Pumps at an Affordable Price



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

With pressure capability up to 5,000 psi, the MX Class can be used in both analytical and small-scale preparative HPLC separations.

REAXUS

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. With 10 mL/min, and 40 mL/min versions, these pumps can tackle the majority of demanding laboratory applications.



Features include available pressure monitoring with automatic pressure compensation, Pulse Dampener, integrated Prime-Purge Valve, interactive keypad control, and complete PC control and status through RS-232 and Micro USB 2.0 ports. Requiring minimal bench space for the performance, the MX Class will easily integrate into most workspaces.

FLOW RATE

10 mL/min
40 mL/min
200 mL/min

PRESSURE

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

FLUID PATH

Stainless Steel

CONTROL

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

MX CLASS—Model Selection Matrix

Single Piston Pumps with Accurate Flow Rates for Demanding HPLC Applications and Demanding Metering & Dispensing

Use the Following Lists of Options and Option Codes to Construct Your Pump Model Number.

<u>M</u> <u>X</u>	<u> </u> <u> </u> <u> </u>	<u>S</u>	<u> </u>	<u> </u>	<u>1</u>	<u>X</u>	<u>F</u>	<u>T</u> <u>L</u>
PUMP CLASS	FLOW RATE	MATERIAL	SELF-FLUSH	PULSE DAMPENER	PISTON SEAL	INLET/OUTLET	CONTROL MODE	
MX = MX Class	010 = 10 mL/min (5,000 psi max.) 040 = 40 mL/min (900 psi max.) 200 = 200 mL/min (200 psi max.)	S = Stainless Steel Fluid Path	F = w/ Self-Flush Piston Wash N = No Self-Flush	T = Pulse Dampener w/ Pressure & Leak Sensors N = No Pulse Dampener No Pressure or Leak Sensors	1 = Standard Seal (SS Energizer)	Standard	F = Flow (Constant)	

Example Model Number: MX010SFT1XFTL

Please Note: Some features and options are not available with certain configurations.

MX CLASS—Specifications

Flow Rate Range and Max. Pressure Ratings*	0.0–10.00 mL/min (5,000 psi) 0.0–40.0 mL/min (900 psi) 0.0–200.0 mL/min (200 psi)	Dimensions	6.5" H x 7" W x 16" D (16.5 x 17.8 x 40.6 cm)
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)	Weight	15.3 lbs. (6.9 kg)
Flow Precision	0.5% RSD	Power	100–240 Vac (± 10%), 50–60 Hz
Wetted Materials	(See Above Options), Synthetic Ruby, Sapphire, UHMWPE, PTFE	Control	RS-232, Micro USB, Run/Stop, Analog (0–10V, 4–20mA)

* Flow Rate is dependent on solvent selection and operating pressure.

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