



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.

Further applications include demanding metering and dispensing, as well as Sample Injection, Infusion, or Cone Wash for Mass Spectrometers. Standard fluid path materials are Stainless Steel and PEEK, in addition to optional Titanium. 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.

Components are also available in Kit Form for OEM Applications.

Several Fluid Path Materials Available



Drip Tray & Leak Sensor



Flow Rate

10 mL/MIN
40 mL/MIN

Pressure

UP TO
5,000 PSI
(10 mL/MIN)

Fluid Path

STAINLESS STEEL,
PEEK, OR
TITANIUM

Control

RS-232, MICRO USB,
VOLTAGE FLOW CONTROL,
RUN/STOP

All SSI Pumps carry a 3-Year Warranty.



Scientific Systems, Inc. Designed from Experience. Built for The Future.
an ISO9001 Company

www.ssihplc.com

Scientific Systems, Inc.
349 North Science Park Road
State College, PA 16803

Phone: 800-441-4752 • 814-234-7311
Fax: 814-234-2469 • 814-238-6072
Email: sales@ssihplc.com

PSS1071-RevB-052715

MX CLASS - MODEL SELECTION MATRIX

Single Piston Pumps with Added Features for Specific HPLC Applications and Demanding Metering & Dispensing

USE THE FOLLOWING LISTS OF OPTIONS AND OPTION CODES TO CONSTRUCT YOUR PUMP MODEL NUMBER.

MX	FLOW RATE	MATERIAL	SELF-FLUSH	PULSE DAMPENER	PISTON SEAL	INLET/OUTLET FITTINGS	SPECIAL OPTIONS
MX = MX Class	0 1 0 = 10 mL/min (5,000 psi max.) 0 4 0 = 40 mL/min (900 psi max.)	S = Stainless Steel Fluid Path P = PEEK Fluid Path T = Titanium Fluid Path	F = w/ Self-Flush Piston Wash N = No Self-Flush	P = Pulse Dampener Only No Pressure or Leak Sensors T = Pulse Dampener w/ Pressure & Leak Sensors N = No Pulse Dampener No Pressure or Leak Sensors X = No Pulse Dampener w/ Pressure & Leak Sensors	1 = Standard Seal (SS Energizer) 2 = Organic Seal (SS Energizer) 3 = Standard Seal (FP Energizer) 4 = Organic Seal (FP Energizer) (SS : Stainless Steel) (FP : Fluoropolymer)	Inlet A = 1/4-28 10-32 Flatbottom Cone B = 1/8" CPI 10-32 (SS only) Cone C = 1/8" CPI 3/8-24 (SS only) Cone D = 1/4-28 1/4-28 Flatbottom Flatbottom	= Standard Product (leave blank for standard options & cabinet) MS = Mass Spec Version (Consult Factory) XX = Customer Special (Consult Factory)

EXAMPLE MODEL NUMBER: **MX010SFT3A**

Please Note: Some features and options are not available with certain configurations. Please consult Scientific Systems, Inc. to verify model number before ordering.

MX CLASS - SPECIFICATIONS

Flow Rate Range and Max. Pressure Ratings*	0.00 - 10.00 mL/min (5,000 psi)	Dimensions	6.5" H x 7" W x 16" D
	0.0 - 40.0 mL/min (900 psi)		(16.5 x 17.8 x 40.6 cm)
Flow Accuracy	±5% at midpoint of flow (40 mL)	Weight	15.3 lbs. (6.9 kg)
	±2% at midpoint of flow (10 mL)	Power	100-240 Vac (± 10%), 50-60 Hz
Flow Precision	0.5% RSD	Control	RS-232, Micro USB,
Wetted Materials	(See Above Options), Synthetic Ruby, Sapphire, UHMWPE, PTFE		Voltage Flow Control, Run/Stop

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

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