



# 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 5 mL/min, 10 mL/min, 40 mL/min, and 200 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

5 mL/MIN  
10 mL/MIN  
40 mL/MIN  
200 mL/MIN

### Pressure

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

### Fluid Path

STAINLESS STEEL,  
PEEK, OR  
TITANIUM

### Control

RS-232, MICRO USB,  
RUN/STOP,  
ANALOG (0-10V, 4-20mA)

# 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.

<b>MX</b>	<b>FLOW RATE</b>	<b>MATERIAL</b>	<b>SELF-FLUSH</b>	<b>PULSE DAMPENER</b>	<b>PISTON SEAL</b>	<b>INLET/OUTLET TUBING</b>	<b>SPECIAL OPTIONS</b>
<b>MX</b> = MX Class	<b>005</b> = 5 mL/min (5,000 psi max.) <b>010</b> = 10 mL/min (5,000 psi max.) <b>040</b> = 40 mL/min (900 psi max.) <b>200</b> = 200 mL/min (200 psi max.)	<b>S</b> = Stainless Steel Fluid Path <b>P</b> = PEEK Fluid Path <b>T</b> = Titanium Fluid Path	<b>F</b> = w/ Self-Flush Piston Wash <b>N</b> = No Self-Flush	<b>P</b> = Pulse Dampener Only No Pressure or Leak Sensors <b>T</b> = Pulse Dampener w/ Pressure & Leak Sensors <b>N</b> = No Pulse Dampener No Pressure or Leak Sensors <b>X</b> = No Pulse Dampener w/ Pressure & Leak Sensors	<b>1</b> = Standard Seal (SS Energizer) <b>2</b> = Organic Seal (SS Energizer) <b>3</b> = Standard Seal (FP Energizer) <b>4</b> = Organic Seal (FP Energizer) (SS : Stainless Steel) (FP : Fluoropolymer)	<b>A</b> = 1/8" OD (flexible) <b>B</b> = 1/8" OD (rigid) <b>C</b> = 1/8" OD (rigid) <b>D</b> = 1/8" OD (flexible) <b>G</b> = 1/8" OD (flexible)	<b>---</b> = Standard Product (leave blank for standard options & cabinet) <b>MS</b> = Mass Spec Version (Consult Factory) <b>XX</b> = Customer Special (Consult Factory)

Note: Inlet and Outlet Fittings are included with the pump for the specified tubing. For options A and D, the inlet tubing and filter are included.

EXAMPLE MODEL NUMBER: **MX010SFT3A**

Please Note: Some features and options are not available with certain configurations. Please refer to the Part Number Configurator (Excel) to verify model number before ordering. Download at: [www.ssihplc.com/configurator/](http://www.ssihplc.com/configurator/)

## MX CLASS - SPECIFICATIONS

<b>Flow Rate Range and Max. Pressure Ratings*</b> .....	0.00 - 5.00 mL/min (5,000 psi)	<b>Wetted Materials</b> .....	(See Above Options), Synthetic Ruby, Sapphire, UHMWPE, PTFE
	0.00 - 10.00 mL/min (5,000 psi)	<b>Dimensions</b> .....	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)
	0.0 - 200.0 mL/min (200 psi)	<b>Weight</b> .....	15.3 lbs. (6.9 kg)
<b>Flow Accuracy</b> .....	Within 2% of set flow rate, 0.20 mL/min and above;	<b>Power</b> .....	100-240 Vac (± 10%), 50-60 Hz
	80:20 Water/IPA @ 1,000 psi (5 mL and 10 mL)	<b>Control</b> .....	RS-232, Micro USB, Run/Stop, Analog (0-10V, 4-20mA)
	Within 5% of set flow rate, 0.8 mL/min and above;		
	80:20 Water/IPA @100 psi (40 mL)		
<b>Flow Precision</b> .....	0.5% RSD		

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