



MX LITE

**High Performance Isocratic Pumps
at an Affordable Price**

The economical **MX Lite** consists of single-headed, positive displacement piston pumps incorporating high performance in a compact package. The **MX Lite** can be used in both analytical and small-scale preparative HPLC separations.

Further applications include metering and dispensing. Standard fluid path materials are Stainless Steel and PEEK. With 5 mL/min, 10 mL/min, and 40 mL/min versions, these pumps can tackle the majority of laboratory applications.

Features include Pulse Dampener, complete control and status through USB communication, interactive keypad control, Run/Stop capability, integrated prime/purge valve, outlet filter, and drip tray. All this comes standard in a low cost package that provides repeatable and consistent performance. Requiring minimal bench space, the **MX Lite** will easily integrate into most workspaces.

Components are also available in Kit Form for OEM Applications.



**Several Fluid Path
Materials Available**



**Drip Tray, Prime/Purge Valve
and Outlet Filter**

Flow Rate

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

Pressure

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

Fluid Path

STAINLESS STEEL
OR PEEK

Control

MICRO USB,
FRONT PANEL,
RUN/STOP

All SSI Pumps carry a 3-Year Warranty.

PSS1078-RevD-082917



TELEDYNE SSI
Everywhere you look™

349 Science Park Road, State College, PA 16803
814.234.7311 | ssi_sales@teledyne.com | <https://ssihplc.com>

MX LITE - MODEL SELECTION MATRIX

Single Piston Pumps with Added Features for Typical HPLC, Metering & Dispensing Applications

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

PUMP CLASS	FLOW RATE	MATERIAL	SELF-FLUSH	PULSE DAMPENER	PISTON SEAL	INLET/OUTLET TUBING	SPECIAL OPTIONS	
ML = MX Lite	005 = 5 mL/min (2,000 psi max.) 010 = 10 mL/min (2,500 psi max.) 040 = 40 mL/min (900 psi max.)	S = Stainless Steel Fluid Path P = PEEK Fluid Path	F = w/ Self-Flush Piston Wash N = No Self-Flush	P = Pulse Dampener Only No Pressure or Leak Sensors N = No Pulse Dampener No Pressure or 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)	A = 1/8" OD (flexible) B = 1/8" OD (rigid) C = 1/8" OD (rigid) D = 1/8" OD (flexible) G = 1/8" OD (flexible)	Outlet 1/16" OD 1/16" OD 1/8" OD (rigid) 1/8" OD (flexible) 1/8" OD (rigid)	- = Standard Product (leave blank for standard options & cabinet) XX = Customer Special (Consult Factory)

EXAMPLE MODEL NUMBER: M L 0 1 0 S F P 1 A

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/

MX LITE - SPECIFICATIONS

Flow Rate Range and Max. Pressure Ratings* 0.00 - 5.00 mL/min (2,000 psi) 0.00 - 10.00 mL/min (2,500 psi) 0.0 - 40.0 mL/min (900 psi)	Wetted Materials	(See Above Options), Synthetic Ruby, Sapphire, UHMWPE, PTFE
Flow Accuracy	Within 2% of set flow rate, 0.20 mL/min and above; 80:20 Water/IPA @ 1,000 psi (5 mL and 10 mL) Within 5% of set flow rate, 0.8 mL/min and above; 80:20 Water/IPA @100 psi (40 mL)	Dimensions	6.5" H x 7" W x 16" D (16.5 x 17.8 x 40.6 cm)
Flow Precision	0.5% RSD	Weight	15.3 lbs. (6.9 kg)
		Power	100-240 Vac (± 10%), 50-60 Hz
		Control	Micro USB, Front Panel, Run/Stop

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



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