

LS CLASS - MODEL SELECTION MATRIX

Single Piston Pumps with Accurate Flow Rates for Demanding HPLC 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 FITTINGS	SPECIAL OPTIONS
LS = LS Class	005 = 5 mL/min (6,000 psi max.) 010 = 10 mL/min (6,000 psi max.) 040 = 40 mL/min (1,600 psi max.)	S = Stainless Steel Fluid Path P = PEEK Fluid Path T = Titanium Fluid Path J = Jacketed SS Pump Head	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) (Consult Factory) (SS : Stainless Steel) (FP : Fluoropolymer)	A = 1/4-28 1/16" CPI Flatbottom B = 1/8" CPI ... 1/16" CPI (SS only) C = 1/8" CPI ... 1/8" CPI (SS only) D = 1/4-28 1/4-28 Flatbottom Flatbottom	-- = Standard Product (leave blank for standard options & cabinet) XX = Customer Special (Consult Factory)

Example Model Number :

LS040SFPIA

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

LS CLASS - SPECIFICATIONS

Max. Flow and Pressure Ratings*	40 mL/min (1,000 psi) 10 mL/min (6,000 psi) 5 mL/min (6,000 psi)	Wetted Materials	(See Above Options), Synthetic Ruby, Sapphire, UHMWPE, PTFE
Flow Accuracy	≤ ±2% for a flow rate of 0.20 mL/min and above with 80:20 Water/IPA @ 1,000 psi	Dimensions	6.5" H x 7" W x 16" D (16.5 x 17.8 x 40.6 cm)
Flow Precision	0.2% RSD	Weight	15.3 lbs. (6.9 kg)
		Power	100-240 Vac (± 10%), 50-60 Hz
		Control	RS-232, Micro USB, Voltage Flow Control, Run/Stop

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

**All SSI Pumps
carry a 3-Year
Warranty.**

SSI
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an ISO9001 Company
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