



LS LITE

Economical High Performance Isocratic Pumps

The reliable **LS Lite** includes isocratic HPLC pumps for basic applications. With precise control and virtually pulse-free performance from its low dead volume pulse dampener and rapid refill, these pumps will exceed expectations when working with typical applications.

The pumps are ideal for a wide variety of HPLC applications (including Bio-compatible separations), Semi-Prep LC, metering & dispensing, and general laboratory use. Standard fluid path materials are Stainless Steel and PEEK. With 5 mL/min, 10 mL/min, and 40 mL/min versions available, and pressure capability up to 6,000 psi, these versatile pumps will meet the most demanding 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.

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
6,000 PSI
(5 mL/MIN OR 10 mL/MIN)

Fluid Path

STAINLESS STEEL
OR PEEK

Control

MICRO USB,
FRONT PANEL,
RUN/STOP

All SSI Pumps carry a 3-Year Warranty.

PSS1077-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>

LS LITE - MODEL SELECTION MATRIX

Single Piston Pumps with Accurate Flow Rates for Typical 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 TUBING	SPECIAL OPTIONS
LL = LS Lite	005 = 5 mL/min (6,000 psi max.) 010 = 10 mL/min (6,000 psi max.) 040 = 40 mL/min (1,600 psi max.) Note: 5,000 psi max. for PEEK Fluid Path.	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)	Inlet 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: **LL010SFPIA**

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/

LS LITE - SPECIFICATIONS

Flow Rate Range and Max. Pressure Ratings*	0.000 - 5.000 mL/min (6,000 psi) (5,000 psi PEEK)	Flow Precision	0.2% RSD
	0.00 - 10.00 mL/min (6,000 psi) (5,000 psi PEEK)	Wetted Materials	(See Above Options), Synthetic Ruby, Sapphire, UHMWPE, PTFE
	0.0 - 40.0 mL/min (1,600 psi)	Dimensions	6.5" H x 7" W x 16" D
Pulsation**	≤2% @ 1 mL/min and 1,000 psi		(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 (5 mL and 10 mL)	Weight	15.3 lbs. (6.9 kg)
	Within 2% of set flow rate, 0.80 mL/min and above; 80:20 Water/IPA @ 1,000 psi (40 mL)	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. ** Pulsation value with pulse dampener.



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

All SSI Pumps carry a 3-Year Warranty.