

HPLC Pump S-100

Overview

This very small chromatography pump can be fitted with either a 10 ml or 50 ml/min. pump head. The Smartline 100 HPLC Pump is suitable as a dosing pump in preparative HPLC as well as for reagent feed in post-column derivatization.

Two Pumpheads

Two interchangeable inert pump heads for micro HPLC, analytical HPLC and semi-preparative HPLC applications are available. Built-in back-flushing capability gives greatly improved reliability for unattended operation.



Two Versions

The pumps are available with or without a built-in pressure transducer. The versions with transducer can display the operating pressure and allow setting of pressure limits for the pump during operation.

Compact

The Smartline 100 HPLC Pump has a very low footprint and requires absolute minimum bench space, which allows the pump to be installed practically anywhere.

Gradient Capability

Multiple pumps can be used to form a high pressure gradient system.

Easily Integrated into Systems

The Smartline 100 HPLC pump is of modular design, easy-to-use and easy-to-maintain, which allows it to be integrated easily into existing systems as a module.

Specifications

Delivery System	Dual piston pump with main and auxiliary piston	
Flow ranges (ml/min)	0.1 - 9.99 ml/min	0.1 - 49.9 ml/min
Pressure	max. 400 bar	max. 150 bar
Flow Rate Accuracy	better than 0.5 % at 1 ml/min RSD (Relative Standard Deviation)	
Display	2 lines, 8 characters	
Control	RS-232 Interface, LAN, Remote Start input, Output for error conditions (The pump can be controlled via Geminix Software.)	
Dimensions	113 x 135 x 225 mm (W x H x D)	
Weight	2.4 kg	
All specifications may be subject to change for technical reasons.		

Ordering Information

A50101	Smartline HPLC Pump 100 without pressure transducer and 10 ml pump head with titanium inlays
A50102	Smartline HPLC Pump 100 without pressure transducer and 10 ml pump head with ceramic inlays
A50103	Smartline HPLC Pump 100 without pressure transducer and 10 ml pump head with stainless steel inlays

A50111	Smartline HPLC Pump 100 without pressure transducer and 50 ml pump head with titanium inlays
A50112	Smartline HPLC Pump 100 without pressure transducer and 50 ml pump head with ceramic inlays
A50113	Smartline HPLC Pump 100 without pressure transducer and 50 ml pump head with stainless steel inlays
A50201	Smartline HPLC Pump 100 with pressure transducer and 10 ml pump head with titanium inlays
A50202	Smartline HPLC Pump 100 with pressure transducer and 10 ml pump head with ceramic inlays
A50203	Smartline HPLC Pump 100 with pressure transducer and 10 ml pump head with stainless steel inlays
A50211	Smartline HPLC Pump 100 with pressure transducer and 50 ml pump head with titanium inlays
A50212	Smartline HPLC Pump 100 with pressure transducer and 50 ml pump head with ceramic inlays
A50213	Smartline HPLC Pump 100 with pressure transducer and 50 ml pump head with stainless steel inlays
Accessories	
A0248	Set of titanium capillaries for bio-compatible applications
A5342	Set of static mixing chambers (A5340, A5341)
A5350	SmartMix HPLC Mixer up to 0.5 ml/min.
A5351	SmartMix HPLC Mixer up to 2 ml/min.
A54103	10 ml pump head with stainless steel inlays
A54113	50 ml pump head, inert, with stainless steel inlays
A54104	10 ml pump head with stainless steel inlays, especially for aqueous media
A54114	50 ml pump head with stainless steel inlays, especially for aqueous media
A54101	10 ml pump head with titanium inlays
A54111	50 ml pump head, inert, with titanium inlays
A0895	RS232 cable for serial PC interface
Accessories and Spare Parts, 10 ml Pump Heads	
A0684	Check valve unit
A1410	Piston rod, 1/8"
A1414	2 piston seals and 1 O-ring
A1514	Seal set, (1 high-pressure seal, 1 low-pressure seal, 1 O-ring)
A1515	Seal set for aqueous media, (1 high-pressure seal, 1 low-pressure seal, 1 O-ring)

Accessories and Spare Parts, 50 ml Pump Heads	
A0684	Check valve unit
A1411	Piston rod, 1/4"
A0768	2 piston seals and 1 O-ring
A0981	Seal set, (1 high-pressure seal, 1 low-pressure seal, 1 O-ring)
A0982	Seal set for aqueous media, (1 high-pressure seal, 1 low-pressure seal, 1 O-ring)