



Article No.: A50751

Articlename: Smartline Pneumatic Pump 1950

Pneumatic high-pressure pump with 100 ml pump head (stainless steel) for max. 1000 bar

The Smartline Pneumatic Pump 1950, powered by compressed air, has been designed for solvent delivery in process chemistry, column packing or preparative chromatography. Application areas:

- packing of HPLC columns at pressures up to 1000 bar
- metering against constant pressure

The delivery flow rate depends on the compressed air supply and the back pressure of the column or system. Maximum delivery flow rate can be reached at minimum liquid pressure (below 1 bar). The minimum liquid flow rate (approx. 5 ml/min) is achieved at highest back pressure. The Smartline Pneumatic Pump 1950 (A50751) has a 100 ml stainless steel pump head and can be operated at maximal 1000 bar back pressure for solvent delivery.

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TECHNICAL DATA

General information

Maximum delivery pressure [psi]	14500 psi
Maximum delivery pressure [MPa]	100 MPa
Maximum delivery pressure [bar]	1000 bar
Pump head materials	Stainless Steel

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Detailed information

Pump type	pneumatic pump with 100 ml pump head
Pump head inlet (standard)	stainless steel
Pump head outlet (standard)	stainless steel
Pneumatic transformation ratio	1:250
Required compressed air pressure	min. 1 bar, max. 4.2 bar*

General

Dimensions	220 x 185 x 340 mm (W x H x D)
Weight	10.2 kg
Ambient conditions	temperature range: 4–40 °C; 39.2–104 °F air humidity: below 90 % humidity (non condensing)
Note	* Using the 100 ml pump head, the external air pressure should not exceed 4.2 bar in order not to damage the pump head or pump mechanics.

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DOCUMENTS AND MORE INFORMATION

Smartline Pneumatic Pump 1950 User Manual EN/DE (V7062)

Manual English

RELATED PRODUCTS



Pneumatic high-pressure pump
with 250 ml pump head (stainless
steel), for max. 200 bar

Article No.: A50761



Pneumatic high-pressure pump
with 500 ml pump head (stainless
steel) for max. 100 bar

Article No.: A50771



Pneumatic high-pressure pump
with 1000 ml pump head (stainless
steel) for max. 50 bar

Article No.: A50781

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