



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

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

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## Detailed information

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

## General

<b>Dimensions</b>	220 x 185 x 340 mm (W x H x D)
<b>Weight</b>	10.2 kg
<b>Ambient conditions</b>	temperature range: 4–40 °C; 39.2–104 °F air humidity: below 90 % humidity (non condensing)
<b>Note</b>	* 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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