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Core Lab



HPLC Pump Stigma 100

Datasheet

Pump\ HPLC Pumps



Stigma 100



General Features

The pump Stigma 100 offer precision and stability with pressure control up to a rate of 25 ml/min. With a maximum pressure of 1500 bar (21 750 psi), it is perfect for the following applications:

- High pressure liquid chromatography HPLC
- Adding fluid accurately in the field of research and manufacturing processes
- Formulation of reagents in the development of chemical processes
- Accurate dosing of liquefied gases
- Core flooding, permeability measurements...

With a touch screen computer built into the pump and our FALCON ® control software, they can do the following:

- Constant flow rate
- Continuous constant flow rate
- Constant pressure with programmable ramp
- Preset volume at constant flow
- Temperature measuring in option



Stigma 100

All our Stigma pumps are delivered with 0.1% accuracy pressure sensor and Viton O-ring sealing.

Specifications	
Volume	100 ml
Flow	0.00003 ml/min to 48 ml/min
Flow Accuracy	0.1% of set point
Pressure range	0.1% FS
Materials	Stainless Steel 316, Hastelloy, Titanium
Temperature range	+5°C to +40°C
Temperature accuracy	0.1°C
Power required	230 Vac
Dimensions (HxDxW)	98 cm x 41 cm x 27 cm
Weight	≈ 52 kg
Certification	PED 97/23/CE Construction

For corrosion resistance, the pump body can be in Hastelloy or Titanium

Heating jacket: up to +200°C

The Stigma 100 with controller and associated with one, two or three (or more) Stigma 100 (without controller) can form multiple pumps. With Sanchez Technologies automatic valves (VAVC), a Stigma double pump can run at constant flow.

ST Products	Description	ST References
STIGMA 100	Pump 100 ml, 1500 bar, 25 ml/min	ST 012 S 0 0 0 0 0 0
Hastelloy Body	For corrosive fluids	ST 000 H 0 0 0 0 0 0
Titanium Body	For corrosive fluids	ST 000 T 0 0 0 0 0 0
Special Sealing	Upon request	ST 000 0 S 0 0 0 0 0
Manual Valves Kit	ST manual valves	ST 002 S 0 M 0 0 0 0
Automatic Valves Kit	ST automatic valves: VAVC	ST 002 S 0 A 0 0 0 0
Heating Jackets	To heat the pump body to 200°C	ST 000 0 0 0 H 0 0 0
Tank Kit	A tank mounted on a tray	ST 000 0 0 0 0 T 0 0
Frame	To put your stigma pump on	ST 000 0 0 0 0 0 0 F