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Core Lab



HPLC Pump Stigma 500 Datasheet

Pump\ HPLC Pumps

Stigma 500



Generalities

The new pump Stigma 500 offer precision and stability with pressure control up to a rate of 183 cc/min. With a maximum pressure of 700 bar (10 000 psi), it is ideal for the following applications:

- ✓ High pressure liquid chromatography HPLC
- ✓ Adding fluid accurately in the field of research and manufacturing processes
- ✓ Formulation of reagents in th development of chemical processes
- ✓ Accurate dosing of liquefield gases
- ✓ Care 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
- ✓ PED 97/23/CE construction

All our Stigma pumps are delivered with 0.1% accuracy pressure sensor and viton o'ring sealing.

STIGMA 500

Specifications

Stigma 500	
Volume	500 ml
Flow	0.001 cc/min to 183 cc/min
Flow accuracy	0.1% of set point
Pressure range	700 bar - 10 000 psi
Pressure accuracy	0.1% FS
Materials	Inox 316, Hastelloy, Titanium
Temperature range	+5°C to +40°C
Temperature accuracy	0.1°C
Power required	110 Vac, 230 Vac
Dimensions (HxDxW)	98 cm x 41 cm x 27 cm
Weight	= 52 kg

Options

- ✓ For corrosion resistance, the pump body can be in Hastelloy or Titanium
- ✓ Heating jacket: up to +200°C
- ✓ The Stigma 500 with controller can be associated with one, two or three (or more) Stigma 500 (without controller) to form multiple pumps. With Sanchez Technologies automatic valves (VAVC), a Stigma double pump can run at constant flow.

Ordering informations

Product	Description	Reference
Stigma500	Pump 500 ml, 700 bar, 183 cc/min	ST 012 S 0 0 0 0 0 0 0
Hastelloy Body	For corrosive fluids	ST 000 H 0 0 0 0 0 0 0
Titanium Body	For corrosive fluids	ST 000 T 0 0 0 0 0 0 0
Special Sealing	Following products (contact us)	ST 000 0 S 0 0 0 0 0 0
Manual Valves Kit	ST manual valves	ST 000 0 0 M 0 0 0 0 0
Automatic Valves Kit	ST automatic valves: VAVC	ST 000 0 0 A 0 0 0 0 0
Heating jacket	To heat the pump body to 200°C	ST 000 0 0 0 H 0 0 0 0
Tank Kit	A tank mounted on a tray	ST 000 0 0 0 0 0 T 0 0
Frame	To put your Stigma pump on	ST 000 0 0 0 0 0 0 0 F