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Core Lab



Volumetric Pump VPSSV 100-70 Datasheet

Pump\ Special Pumps



VPSSV 100-70



General Features

This equipment is specially designed to inject in continuous flow. It's composed of a simple screw pump. The volume of the pump is 100 ml.

The pump, with a synoptic (FALCON software) or with electric cabinet, can be controlled and log the value of the different parameters (pressure, volume, temperature, flow rate).

Specifications	
Volume	100 ml
Pressure	70 bar
Temperature	Ambient
Volume Accuracy	10 ⁻⁴ ml
Pressure Accuracy	0.1% FS
Temperature Accuracy	0.1°C
Flow Rate	0 to 225 ml/h



VPSSV 100-70

The pump can run the following operations:

- Constant flow
- Constant pressure
- Predefined volume at constant flow

One piston pump is composed of:

- One chamber in stainless steel with packing
- One calibrated piston
- One driving piston system (movements executed by a gear box with a --brushless motor and high accuracy absolute encoder

The VPSSV 100-70 has absolute pressure sensor and a safety manometer in stainless steel can be added as option.

Example of synoptic

