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Core Lab



Volumetric Pump VPSSV 300-1000 Datasheet

Pump\ Special Pumps



VPSSV 300-1000



Specifications	
Volume	300 ml
Pressure	1000 bar (15 000 psi)
Temperature	Ambient
Volume Accuracy	10 ⁻⁴ ml
Pressure Accuracy	0.1% FS
Temperature Accuracy	0.1°C
Flow Rate	0 to 1400 ml/h
Heating System	Upon request

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 300 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).

VPSSV 300-1000

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 300-1000 has absolute pressure sensor and a safety manometer in stainless steel can be added as option.

Example of synoptic

