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Core Lab



Volumetric Pump VPSSV 50-1000 Datasheet

Pump\ Special Pumps



VPSSV 50-1000



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 50 ml.

| Specifications | |
|----------------------|-----------------------|
| Volume | 50 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 900 ml/h |

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).

The pump can run the following operations:

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

VPSSV 50-1000

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 50-1000 has absolute pressure sensor and a safety manometer in stainless steel can be added as option.

Example of synoptic

