



VPDSV 1000-700D



General Features

This equipment is specially designed to inject in continuous flow. It's composed of 2 double screw pumps. The volume of each pump is 1000 ml.

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

Specifications	
Volume	1000 ml for each pump
Pressure	700 bar (10 000 psi)
Temperature	Ambient
Volume Accuracy	10^{-3} ml
Pressure Accuracy	0.1% FS
Temperature Accuracy	0.1°C
Flow Rate	0 to 2400 ml/h

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Each pump can be:

- Independent for the following operations:
 - Constant flow
 - Constant pressure
 - Predefined volume at constant flow
- Synchronized for constant flow:
 - Push / pull
 - Push / push
 - Pull / pull
- Assembled with electro valves (in option) for continuous flow and constant pressure

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 VPDSV 1000-700D has absolute pressure sensor and a safety manometer in stainless steel can be added as option.

Example of synoptic

