



## VRS 50 CO2 PREPARATIVE PUMP

P/N PI000000

is unit with two pump pistons connected parallel. Flow-rates ranging is from **0,5 to 50 ml/min** and maximum operating pressure of **28 MPa**. The pump is designed as built-in unit with separate mechanical and electronic parts.

For **liquefied gas delivering** are the pumping heads cooled **using an cooling**

**adapter**. This adapter is also used for **delivered medium pre-cooling**. The adapter is cooled using water **from external unit** ( it is not include). So modified pump is used for **super critical fluid chromatography (SFC)** for carbon oxide pumping.

### The unit is equipped with the following:

- Electronic safeguard of maximum operating pressure
- Back-flushing of pistons
- External flow rate control (using voltage)

### Specification

Maximum operating pressure	28 MPa
Flow rate setting	0.5 - 50 ml/min
Method of setting	using voltage 0 – 10V
Precision of set flow rate (10 ml/min, 1 MPa, H <sub>2</sub> O)	± 2 %
Upper pressure limit	stationary 30 MPa
Pumping system	two pistons dim. 3/8" in parallel connection
Material of pumping head	stainless steel
Power requirements	115V / 230 V , 50/60 Hz
Power input	100 VA
Mechanical part dimensions (W x H x D)	160 x 150 x 340 mm
Electronic part dimensions (W x H x D)	170 x 160 x 175 mm
Weight	12 kg