

# ECP201L

## PREPARATIVE PUMP

Preparative pump with very high pressure of **15 MPa** at flow rate up to **1000 ml/min**. It has two pistons connected in parallel, with 20 mm diameter. The pump is suited for preparative liquid chromatography where the high pressure is needed, etc.

There is a possibility to use this pump in a **high-pressure gradient mode**, where two, three or four units are controlled via PC using RS232.

When working with buffered solvents, it is possible to use pistons **back washing**.

Pump is supported with software **ECOMAC** and **Clarity**.

The basic (limited) version of the **ECOMAC** software for controlling one unit is **supplied free of charge** with the pump.



### Main aspects of the ECOMAC software are:

- **Simple usage**
- Support ECOM's units with communication interface
- General interpretation of devices and measured properties
- Supporting variant export formats
- **Runnable on WinXP, Vista (32, 64), Win7 (32, 64), Win8.x (32, 64), Win10 (32, 64)**

### SPECIFICATION

Flow rate	1 – 1000 ml/min
Maximum operating pressure	15 MPa up to 1000 ml/min
Flow rate setting	1 ml/min steps
Repeatability of flow rate adjusting	± 1 %
Accuracy of flow rate setting	± 2 %
Wetted materials	stainless steel, PEEK, Tefzel™, Kalrez®, ceramic, ruby seals*
Control	RS232, LAN, USB and IO interface
Power supply	100 – 240 V AC
Power input	500 VA
Dimensions (W x H x D)	276 x 153 x 620 mm (10.87 x 6.14 x 24.40 in)
Weight	26 kg (57.32 lb)
Output capillary outer diameter	1/8"
Input tubing outer diameter	1/4"
Gradient valves control module - OPTIONALLY	Up to four valves

\* Pump is delivered with GFP (PTFE) seals a default, optional is UHMW-PE seals, ask for more information. For the proper and long-term function of the seals, it is recommended to use the piston back washing set, which is a part of the unit accessories, during separations or when buffer solutions are used.

### OPTIONAL ACCESSORIES

ECS91200	FEP tubing 1/8", l=1 m, with fittings LUER LOCK (alternative for output connection).
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