

# ECP201LG

## GRADIENT PREPARATIVE PUMP

Gradient preparative pump with **four low-pressure gradient valves** and very high output 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 high pressure is needed, etc.

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

The 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
- ECOM units support 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

PREPARATIVE PUMP	
Flow rate	2 – 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*
Input tubing outer diameter	1/4"
Output capillary outer diameter	1/8"
Gradient valves control module - OPTIONALLY	Up to four valves
GRADIENT BOX	
Number of gradient valves	4 (A, B, C, D)
Maximum operating pressure	0.2 MPa (29 psi, 2 bar)
Input tubing outer diameter	1/4"
Orifice	5.0 mm
Fluid temperature	+5 – +90°C
Wetted materials	FFKM, PEEK
Connecting thread	1/2" – 20 UNF
COMPLETE SET	
Control	RS232, LAN, USB and IO interface
Display, keyboard	OLED 2.4" 128x64 pixels, 10 buttons

Dimensions (w x h x d)	340 x 170 x 640 mm (13.4 x 6.7 x 25.2 in)
Weight	30 kg (66.14 lb)
Power supply	100 – 240 V AC
Power input	500 VA

\* The pump is delivered with GFP (PTFE) seals by default, optional are 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.