

# ECB2005PC

## PREPARATIVE GRADIENT BOX WITH PC

**Box** is suited for handling liquids in ECOM gradient systems. It accommodates a container for solvent bottles and **four-way gradient valve**. To do HPLC system **smaller as possible** is in this box assembled **industrial PC board**. This solution allows installation **OS** (Windows or Linux) and chromatography **SW ECOMAC or Clarity**.

**Four-way gradient valve** is controlled from the pump **ECP2200, ECP2300** and gradient box ECB2005PC must be ordered with pump.

Pump new sophisticated electronics allows achieving precise **low-pressure gradient**, i.e.



gradual **changes of mobile phase composition** by mixing **up to four liquids** at the pump's entry. It is also possible to predefine the percentage of composition when using the pump in isocratic mode. Gradient profile can be defined through the computer or manually, using display and keypad.

Up to **three 2L and one 1L mobile phase reservoirs** may be put into the box.

### SPECIFICATION

#### GRADIENT BOX:

Number of gradient valves	4 (A, B, C, D)
Maximum operating pressure	0.3 MPa (43.5 psi)
Orifice	0.079" (2 mm)
Fluid temperature	0 to 50°C
Inside volume of valve	329 ul
Wetted materials	FEP, PEEK, Kalrez®
Connecting thread	5/16"-24 flat bottom
Power supply	100-240V 50/60Hz 40VA
Inside box dimensions (w x h x d)	267 x 56 x 305 mm (10.5" x 2.2" x 12")
Dimensions (w x h x d)	280 x 135 x 498 mm (11" x 5.3" x 18.9")
Weight	7 kg (15.4 lb)

#### PC:

Main board	3.5" Board Intel® Celeron® Processor N3160SBC (1.66GHz/2.24GHz/4Core)
System Memory	SO-DIMM DDR3L-8 GB
Ports	2x USB 2.0; 2 x USB 3.0; 2 x Ethernet 10/100/1000 Mbps; 2x RS232; 2 x RS232/485
Display	1 x VGA; 1 x DDI (DisplayPort, HDMI, DVI)
Storage	SSD 120GB

