

ECB2007PC

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 pumps ECP2010, ECP2010H, ECP2050 and gradient box ECB2007 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 for each channel + common volume	297 ul + 24 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

