

ECF2096

FRACTION COLLECTOR

ECF2096 for automation of flash and preparative purification. It collects fractions according chosen method which can be created manually using keyboard, just as using **ECOMAC** or **Clarity** software. Analog input allows fractioning directly by signal from any detector with analog output.

Two racks are easily removable and available for five tube/funnel types. **Collect/waste** valve is assembled.

Fraction collector operating modes:

- Collect all
- Level (different up and down value)
- Slope (different up and down value)
- Using digital inputs (next, collect, waste)
- Time shift of all collection functions
- Any if it is collected by SW



Fraction collector functions main features:

- Unit simplicity
- Easy programming of fraction collection
- Possibility to connect electronically controlled valve for special flow functions
- Display information of running process
- Manual unit control from keyboard
- Compact size fits in most fume hoods

SPECIFICATION

TECHNICAL PARAMETERS:

Available racks (two racks per unit)	EC08 48 tubes of 8 ml (OD 12 mm) (384 ml/rack) EC21 36 tubes of 21 ml (OD 16 mm) (756 ml/rack) EC40 24 tubes of 40 ml (OD 20 mm) (960 ml/rack) EC60 20 vials of 60 ml (OD 27.5 mm) (1200 ml/rack) F12A 12 funnels, 30 mm
Maximum operating pressure	1.3 bar (0.13 MPa, 20 psi)
Maximum flow rate for tubes 8 ml	max. 50 ml/min
Maximum flow rate for tubes 21, 40, 60 ml	max. 300 ml/min
Maximum flow rate for funnels, 30 mm	max. 300 ml/min
Wetted materials	FEP, Tefzel®, PPS, PP, KEL-F, PTFE, PEEK, SS 316, glass SIMAX
Thread for tubing connection	1/4"-28 flat bottom
Input tubing	OD 1/8" x ID 1/16" FEP OD 1/16" x ID 0.75 mm PTFE
Digital outputs	1 (60 V DC / 42 V AC – 240 mA)
Digital input	3 (TTL, HC, HCT)
Analog input range	0-10V
Communication	RS232, Ethernet (LAN), USB
Display, keyboard	VFD 140x32 pixels, 10 keys
Power supply	100-240V 50/60Hz 20VA
Power consumption	20 VA
Dimensions (W x H x D)	400 x 320 x 284 mm (15.7 x 12.6 x 11.2 in)
Weight (without racks and tubes)	10.7 kg (23.6 lb)