

# ECF 2096

## FRACTION COLLECTOR

ECF2096 allows **automation of flash and preparative purification**. It collects fractions according chosen method which can be created manually using keyboard, just as using **ECOMAC** software. Analog input allows controlling directly by signal from detector.

Two racks are easy removable and available for three tubes type. Collect waste valve is standardly assembled.

**Fraction selection is provided by means of functions:**

- Collect all
- Analog level (different up and down value)
- Slope limit (different up and down value)
- Using digital inputs (next, collect, waste)
- Time shift of all collections functions



**Fraction functions main features:**

- **Unit simplicity**
- **Easy programming of fraction collection**
- **Possibility to connect electronically controlled valves for special flow functions**
- **Display information of running process**
- **Manual unit control from keyboard**

### SPECIFICATION

**TECHNICAL PARAMETERS:**

Available racks (Two rack per unit)	<b>EC08</b> 48 tubes of 8 ml <b>EC21</b> 36 tubes of 21 ml <b>EC40</b> 24 tubes of 40 ml
Maximum operating pressure	1.3 bar (0.13 MPa, 20 psi)
Maximum flow rate	200 ml/min
Wetted materials	PEEK, PTFE
Thread for tubing connection	1/4"-28
Connection tubing OD	1/8"
Digital outputs	2 (60 V DC / 42 V AC – 240 mA)
Digital input	TTL, HC, HCT
Analog input range	0-10V
Control	RS232; LAN
Power supply	100-240 V ±10 %, 50/60 Hz
Power consumption	20 VA
Dimensions (W x H x D)	220 x 170 x 450 mm
Weight	10,2 kg

# SPIDER C06

## FRACTION COLLECTOR AND INJECTOR

SPIDER allows **automation of flash and preparative** applications. It can be controlled using PC program, just as manually using PC keyboard.

SPIDER is connected to chromatographic system, which is **controlled by program ECOMAC**.

An **input three-way** solenoid valve is connected before pump. Solvent goes to the pump through valve B. For sample injection is the valve A switched on for a programmed time. The

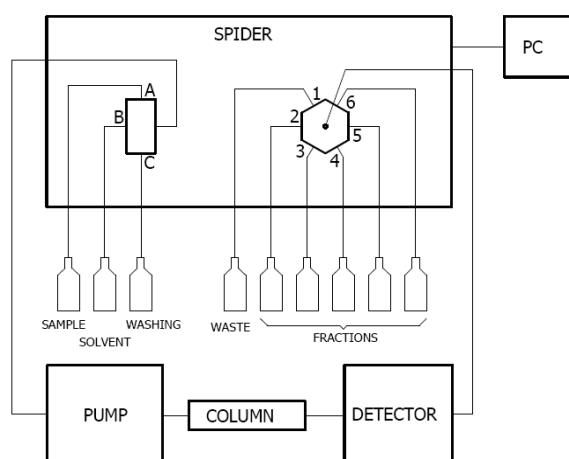


Diagram of SPIDER connected into a system.



valve C is used for column washing.

An **output six-way** solenoid valve is connected to the detector output. Wanted fractions are collected by switching on of the various positions of the output six-way valve.

At the back panel connector are pins that can be switched on by the program ECOMAC. They can be used for control of next units, for example, for external valve switch on when column is washed.

**Fraction selection is done by means of ECOMAC functions:**

- control by means of time table
- control based on peak detection at chosen signal

**SPIDER main features:**

- **Unit simplicity**
- **Easy programming of fraction collection**
- **Possibility to connect electronically controlled valve for a flow reversion when column is washed**
- **Valve position display**
- **Manual valves control from PC keyboard by developed method**

## SPECIFICATION

### TECHNICAL PARAMETERS:

Mixing valves	1x 3 ways 1x 6 ways
Maximum operating pressure	1.3 bar (0.13 MPa, 20 psi)
Maximum flow rate	100 ml/min
Wetted materials	PEEK, PTFE
Thread for tubing connection	1/4"-28
Connection tubing OD	1/8"
Number of switched output contacts	2
Maximal voltage at switched contacts	35 V
Maximal current at switched contacts	50 mA
Control	RS232
Power supply	100, 115, 230 V $\pm$ 10 %, 50/60 Hz
Power consumption	20 VA
Dimensions (W x H x D)	220 x 170 x 450 mm
Weight	3 kg