

## FAST CENTRIFUGAL PARTITION CHROMATOGRAPH FCPC® A

**Analytical, semi preparative and preparative chromatograph for fractionation and purification of compounds from**

- **natural Products,**      ○ **synthetic chemistry**
- **biological matrices**    ○ **biotechnology**

**FCPC features :**

- **No loss or degradation of sample**
- **No expensive solid-phase chromatographic material**
- **Low solvent consumption**
- **Many examples of two-phase solvent systems exits in literature**

**FCPC A advantage:**

- **Flexibility**
  - three standard rotor sizes: 50, 200, and 1000 ml
  - variety of rotor cells for different processes: Z, Twin, extraction...
  - system enhancement with peripherals units (see brochure FCPC® stations )
- **Industrial design, sturdiness, and reliability**
  - industrial stainless steel components,
  - rugged safe construction, quiet
- **Simplicity of use**
- **Easy access to the rotor compartment**  
Exchanging rotor is a breeze !



FCPC® A TECHNICAL SPECIFICATIONS (*)				
Application	Analytical	Semi-preparative	Preparative	Extraction
Standard rotor volume	50 ml	200 ml	1000 ml	from 300 to 1000 ml
Typical Injection (**)	up to 1000 mg	up to 5 g	up to 30 g	co-current and continuous mode
Typical flow rate (**)	until 10 ml/min	until 20 ml/min	until 40 ml/min	
Hydraulic flow rate	50 ml/min	100 ml/min	100 ml/min	
Separation Time (**)	10 – 45 min	10 – 45 min	60 – 180 min	
Speed / Max. Pressure	from 100 to 2000 rpm / 80 bars - 1160 psi.			
Mode	4 way valve for ascending & descending modes			
Standard	EC plate and certificate			
Material	Rotor: stainless steel + ptfе. Wetted parts and frame : stainless steel			
Size / weight / power	630 x 437 x h630mm / 115 kg / 750W – 110 or 220 VAC			
Noise	< 60 dB			
On request	different rotor size, biocompatible version, different material			
(*) for information only      (**): average users' values noticed				

**Kromaton offers a complete range of FCPC® stations designed for ease of use and versatility. More possibilities can be realized with different selected peripherals.**



**FCPC stations can be run with a unlimited combination of solvent system from non-polar to polar compounds.**

