

## Fast Centrifugal Partition Chromatography PROCESS

### CPC PROCESS 5000 Series

**FAST, the unique liquid chromatography technique for the purification of API, biomolecules and natural products**



Analytical Technologies Limited industrial centrifugal system and chromatographical apparatuses has been applied to the development of the industrial-scale Analytical CPC equipment.

Optimized cell design combined to a high G effect up to 650g lead to cutting edge GMP equipment capable to produce kilograms per day.

Combined to complete chromatography skid, CPC is designed for continuous operation.

#### Technical Specification :

Data	CPC Process 5000 (5 L)	CPC Process 5000 (10L)
Active volume (cells)	5 litres	10 litres
Total volume (cells+ducts)	7, 5 litres	13, 5 litres
Sample mass (per injection)	50 - 500 grams	100 - 1000 grams
Max. flow rate	700 ml/min	1500 ml/min
Separation time	2 to 4 hours	
Max. pressure	60 bars / 870 psi	
Max. rotation speed	1400 rpm	
Dimensions	1710mm x 1160mm x 1480mm	
Weight	1400 kgs	1600 kgs
Power	5, 5 KW - 400 V	
Material in contact	Stainless steel 316 L / PEEK / PTFE	
Housing material	Stainless steel 316 L	
Options	FCPE version with reduced cell number for fractionation and high throughput	

**Regulatory compliances :**



**Corporate Social Responsibility :**



Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analytical-foundation.org](mailto:Info@analytical-foundation.org)
2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.
3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

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