

# Counter Current Chromatography/ Centrifugal Partition Chromatography CPC-3000



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## General features :

- 1L CPC column capacity
- Injection range : Up to 30g
- Typical Flow rate : Up to 50mL/min
- Maximum pressure : 80bar
- Maximum rotation speed : 1500rpm
- Twin-cell technology for better retention
- High pressure resistance and high rotation speed for better efficiency
- Easy-seal technology for fast and cost effective maintenance
- Asc/Dsc capability
- Biocompatible version available

## From simple "CPC" column to complete LC purifications solutions :

### Pump:

**CPC-3000-L :**  
Integrated two-head pump  
100 mL/min - 110 bar (1 595 psi)  
2% accuracy  
Repeatability better than 0.5%  
Built-in manual purge valve  
Cleaning discs  
Low maintenance needs

**CPC-3000-F :**  
Built-in pump

### Gradient:

**CPC-3000-L :**  
Low-pressure gradient former of integrated pump  
Binary or Quaternary  
Linear response from 2 to 98%

**CPC-3000-F :**  
Built-in gradient former

### Injection:

**CPC-3000-B & CPC-3000-L :**  
Through loop injector (Manual)

**CPC-3000-F :**  
Through loop injection valve (Manual or Automated)  
Through external pump control(Automated)  
Multiple injections possible by running sequence of methods

### Column:

Rotating chromatography column  
Volume : 1 L

**Two elution modes : "Ascending" and "Descending"**

**CPC-3000-B & CPC-3000-L**  
**With "Asc/Dsc" valve (Manual)**

**CPC-3000-F**  
**With built-in "Asc/Dsc" valve (Automated)**

**Detection:** **CPC-3000-B & CPC-3000-L**  
**Stand alone solution with separated UV-Vis detector**

**CPC3000-F**  
**Built-in UV-Vis detector**

**Collection:** **CPC-3000-B & CPC-3000-L**  
**Stand alone solution with separated fraction collector**

**CPC-3000-F**  
**Built-in fraction collector**

**Control:** **Two serial ports RS-232 available for column and pump external control**

**CPC-3000-B & CPC-3000-L**  
**Direct through integrated controller composed of a keypad and a graphic LCD display**  
**Via intuitive and easy to use "CPC" software installed on a computer**

**CPC-3000-F**  
**Built-in "CPC" software**

**Dimensions:** **Width : 705 mm**  
**Height : 710 mm**  
**Depth : 575 mm**

**Weight:** **120 kg**

## 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@analyticalfoundation.org](mailto:Info@analyticalfoundation.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.

## Reach us @



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