

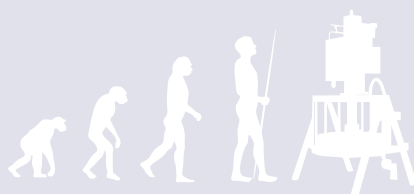
PROCHROM[®] columns

PREPARATIVE AND INDUSTRIAL HPLC SOLUTIONS



Prochrom[®] Column
LC450

- High performance, high reproducibility
- High level of modularity
- Safe and easy to operate
- Similar design for linear and accurate scalability
- Fast packing and unpacking
- Explosion proof design (ATEX& Class Div)
- Compliant with cGMP guidelines



Prochrom® Columns world leading HPLC columns for pharmaceutical applications

With a strong track record in developing, using and supplying preparative HPLC solutions, Novasep offers state-of-the-art Prochrom® HPLC columns for intermediate purification and polishing of APIs, biologics and other small molecules, from development to large-scale commercial phase.

Efficiency & Scalability

A complete range from lab to industrial scale

- Maintain your stationary phase performance with Dynamic Axial Compression (DAC) technology
- Exceptional performance with a broad range of resins and no methods restriction thanks to our 100 bar pressure rating design
- Optimize your column maintenance costs with robust and industrial design made for 24/7 operations
- Increase your chromatography resolution with a thermostated column (optional)



Prochrom® columns	LC50	LC80	LC110	LC150	LC200	LC300	LC450	LC590	LC800	LC1000	LC1200	Above
Inner diameter (mm)	50	80	110	150	200	300	450	590	800	1000	1200	
Max bed height (mm)	300	350						400				
Pressure rating (bar)					100					70 / 100		
Pressure transmitter			N/A						Optional			Upon request
Temperature jacket	Yes							Optional				
Footprint* (mm x mm)	522x590	515x612	580x580	511x730	670x740	900x900	970x970	1300x1300	1520x1680	1770x1770	1855x1855	
Height* (mm)	1733	1883	2441	2521	2770	3129	3180	3685	3768	4155	4616	
Material wetted parts	Stainless Steel 316L, FEP and PTFE											

* Indicative data

Fast & safe packing and unpacking



- Whatever your stationary phase, you get the best packing performance
- All operations at ground level, easy handling of heavy parts
- Fast packing / unpacking with hydraulic jack technology

Make your slurry preparation easy & secure with our slurry units

- Semi automated system allows efficiency and reproducibility
- A full enclosed unit for optimum safety
- A large choice of volume capacities to fit all your needs

High standards of design

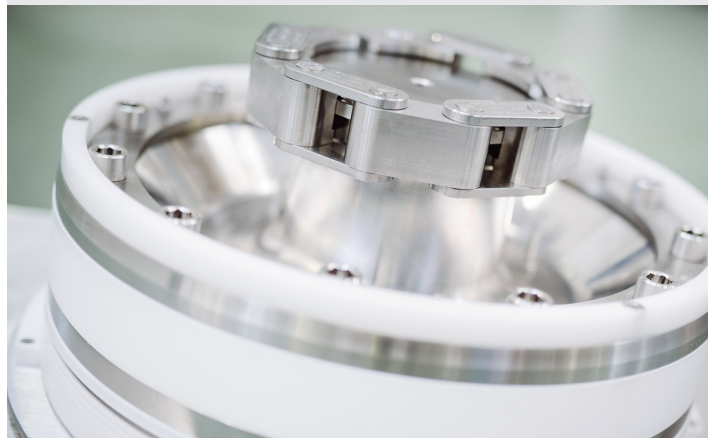


Full maintenance

Seals & column frits Handling Tools from LC300 to LC1200



- Piston rotation unit
- Piston table
- Flange handling table
- Manual forklift



Fast Global Support



Capitalized on Novasep's know-how by becoming an expert on Novasep technologies with our wide range of training programs (equipment, process, maintenance, software).



Through our process development team, we have the possibility to develop, optimize and industrialize your valuable molecules.



Stay up to date with our software upgrade services package.



Maximize your up time by managing your OPEX with different levels of maintenance contracts.



Based on your needs, you have the best of Novasep readily on your site. Hot line available 24 hours a day, 7 days a week, to respond to any urgency.



Services and technologies
for the life science industries

www.novasep.com

Contact our experts at
novasep@novasep.com

EUROPE

Novasep Process

Site Eiffel

81 boulevard de la Moselle - BP 50

54340 Pompey - FRANCE

Phone: +33 3 83 49 70 00

Fax: +33 3 83 49 70 02

AMERICAS

Novasep LLC

23 Creek Circle

Boothwyn, PA 19061 - USA

Phone: +1 484 361 6000

Fax: +1 610 494 1988

ASIA

Novasep Asia

Building No.4,

Lane 1690, Zhangheng Road,

Zhangjiang Hi-Tech Park,

Shanghai 201203 - CHINA

Phone: +86 (0)21 6045 1600

Fax: +86 (0)21 6045 1699

INDIA

Novasep India

Four Square Elegant,

Block A, Flat 110,

Madhavapuri Hills, Road 5,

Hyderabad-500050

INDIA

Phone: +91 9866573377