



Intensify your downstream process. BioProcess™ pcc scalable solutions.

BioProcess pcc chromatography systems are developed for purification of your target protein in a continuous process using periodic counter-current chromatography (PCC). Continuous chromatography supports process intensification by reducing footprint and improving productivity. In addition, continuous chromatography is especially suited for purification of unstable molecules, as the short process time helps ensure stability of your target.

GE's PCC systems are scalable from the smallest ÄKTA™ pcc 75 system to the largest BioProcess pcc 1/2" system. The systems are designed to simplify operational handling, and can be connected as an integral unit in a process workflow from upstream to downstream, enabling continuous biomanufacturing.



Proven process scale-up

GE's offering of PCC systems allows for scaling of your continuous chromatography process, from process development to full manufacturing scale.



Size	Flow rate	No. of columns
ÄKTA pcc 75	1–75 mL/min	3 or 4
BioProcess pcc, 4.7 mm (1/4")	1–60 L/h	3 or 4
BioProcess pcc, 6 mm (3/8")	4–180 L/h	3 or 4
BioProcess pcc, 10 mm (1/2")	15–600 L/h	3 or 4

Enhance productivity with BioProcess pcc systems:

- Increased utilization of chromatography resin binding capacity compared with batch processes.
- Intensified bioprocessing by integration of upstream and downstream unit operations.
- Consistent process performance even under changing conditions through dynamic control functionality.
- Process robustness and control by steady-state operation.
- Real-time monitoring and control through integrated pH, conductivity, and UV sensors.

Ordering information

BioProcess pcc systems are offered through direct sales as custom systems. For quotes or more information, please contact your local sales representative.

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