

# FiltraLinX® Tangential Flow Filtration Holder

The tangential flow filtration system is principally intended for the automated operations including concentration, liquid exchange, desalination, and dealcoholization of biological products such as antibodies, vaccines, blood products, gene therapy drugs, etc. The system mainly consists of power unit, membrane filter holder, detection unit, and automatic control unit. This article focuses on the membrane filter holders.

FiltraLinX® tangential flow filtration holder is used to hold a certain area of filtration membrane filter, allowing both 0.1 - 0.5 m<sup>2</sup> and 0.5-2.5 m<sup>2</sup> filtration area requirements of lab scale tests. Peristaltic pumps of different specifications are optional upon customer needs. Ideally suitable for universal filtration systems required for routine laboratory and small-scale preparation.

## Product Features:

- Compatible with mainstream filtration membrane filters in the market.
- Sophisticatedly designed with superior performance, advanced technology, high efficiency, saved energy, safety, reliability, and easy for maintenance.
- Suitable for use in laboratory R&D scale, pilot scale, etc.
- Applicable for manufacturing of vaccines, proteins, plasmids, plasmas, colloidal suspensions, cells, etc.
- The parts in direct contact with the feed liquid are made of sanitary-grade materials, such as 316L stainless steel, PTFE, EPDM, TPE, etc. Material certifications are available on request.
- Stainless steel material resistant to disinfectants such as acid, alkali, organic solvents, etc., meeting CIP and cleaning validation requirements.
- With smooth surface, no dead corners, and easy to clean.
- Pipe connections are clearly marked with flow direction.
- Pipeline pressure resistance of 5 bar.
- Holder sets available, with matching pressure gauges and hand valves (once on site, customers can use it as soon as they complete assembling the pressure pipes and pumps).
- Adopt the clamping method for connection, easy for mounting and setting.
- Optional pressure gauge calibration services.

## Supporting Documentation:

- Quality certificates
- Product inspection reports
- List of system components and spare parts
- GA drawings
- Certificate of roughness testing, certificate of conformity, and user manual for the materials of pipe fittings and components
- Optional - pressure gauge calibration certificates



## Technical Parameters:

Cat. No.	TH-CMN-001	TH-CMV-001	TH-CMN-005	TH-CMV-005
Type	Filtration membrane filter holder	Filtration membrane filter holder set	Filtration membrane filter holder	Filtration membrane filter holder set
Adapting membrane filters	Merck membrane filters of 0.1 m <sup>2</sup> and 0.11 m <sup>2</sup> , PALL membrane filter of 0.1 m <sup>2</sup> , and other brands of similar membrane filters		Merck membrane filters of 0.5 m <sup>2</sup> and 0.57 m <sup>2</sup> , PALL membrane filter of 0.5 m <sup>2</sup> , and other brands of similar membrane filters	
Number of membrane filters	1~5 pcs		1~5 pcs	
Size (mm)	260*100*180	345*245*386	260*280*210	608*280*210
Connection	1/2" TC25	1/2" TC25	3/4" TC25	3/4" TC25
Number of valves	N/A	3	N/A	3
Number of pressure gauges	N/A	2	N/A	2
Maximum working pressure	5 bar	5 bar	5 bar	5 bar
Material of liquid-contacting part	316 L			
Roughness of liquid-contacting surface	Ra ≤ 0.4			
Accessory 1	1 set of matching torque wrench			

## Ordering Information:

Order No.	Product description	Valve	Pressure gauge
TH-CMN-001	Filtration membrane filter holder	N/A	N/A
TH-CMV-001	Filtration membrane filter holder set	3 pcs	2 pcs
TH-CMN-005	Filtration membrane filter holder	N/A	N/A
TH-CMV-005	Filtration membrane filter holder set	3 pcs	2 pcs

## About BioLink

BioLink is a group of technology-driven businesses that provide process solutions in the life sciences industry. The company focuses on the development and production of the key processing equipment and consumables used in the manufacturing process of recombinant protein drugs, vaccines, antibodies, cell therapies, gene therapies, and other biological products. BioLink's portfolio of offerings covers the entire upstream and downstream bioprocess such as cell culture, single-use mixing and storage, chromatography, filtration (ultrafiltration/diafiltration, clarification, and virus removal), and hydration products, as well as process development services. BioLink is committed to providing customers with high-quality, innovative products and solutions and strives to build an efficient, safe and competitive biopharmaceutical supply chain eco-system.

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Document no.: BLK-BR-20240219-01-EN