

## High Flow Filter Cartridge

The high flow filter cartridge series adopts deep fine polypropylene or fiberglass membranes as the filtration media, integrating innovative technology and advanced design. Featuring a gradient pore structure and single-ended opening, the cartridges ensure that all impurities are retained inside the filter with an inside-to-outside flow direction, while the outside-to-inside liquid flow guarantees that all contaminant particles are intercepted on the outer surface of the cartridge. This dual flow configuration provides high filtration efficiency, stable performance, and reliable operation.

Compared with traditional filter elements, the cartridges feature a large diameter of 6.3 inches (160 mm) and 6.5 inches (165 mm), enabling a single cartridge to handle up to 80 tons per hour of water flow. This design significantly reduces the housing diameter and, thanks to the ultra-high flow capacity, the number of cartridges and housings required in the same flow application is greatly reduced. As a result, the overall footprint of the filtration system is minimized, while equipment investment and labor costs are substantially lowered.

High Flow Filter Cartridge					
Length	10 Inch	20 Inch	30 Inch	40 Inch	60 Inch
Flow Capacity	10t/h	20t/h	30t/h	40t/h	60t/h
Filtration Rating	0.1-100um	0.1-100um	0.1-100um	0.1-100um	0.1-100um
Packing	16 pcs/box	8 pcs/box	4 pcs/box	4 pcs/box	2 pcs/box
Additional Parameters	Filtration Ratings: 0.1um、0.45um、1um、5um、10um、20um、50um、100um				
	End Cap / Interface : Pall type, Parker type, 3M type, thread type, FSI type, etc.				
	Customization: Supports a wide range of non-standard specifications and parameters				

### Application >>

Water Treatment: RO pretreatment, seawater desalination. Food & Beverage: Juice, beer, mineral water, dairy, etc.

Electronics: Ultrapure water for semiconductors and electronics. Petrochemical: Reuse water and oilfield reinjection.

Power & Steel Plants: Condensate, cooling, and circulating water. Chemical: Acids, alkalis, and organic solvents.

### Product Advantages >>

Large effective filtration area, low pressure drop, and high flow rate.

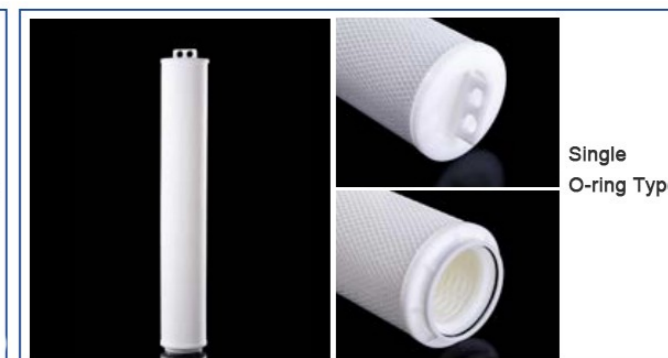
Utilizes deep fine membrane media with a scientifically designed multilayer gradient pore structure, providing high dirt-holding capacity, extending cartridge service life, and reducing labor and operating costs.

Constructed entirely of polypropylene (PP) materials, ensuring excellent chemical compatibility and suitability for a wide range of liquid filtration applications.

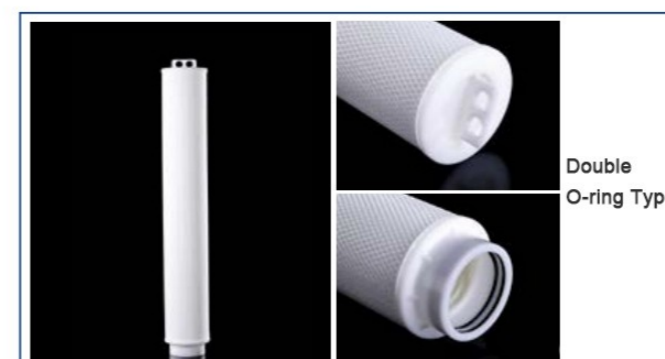
The high-flow design ensures stable filtration performance even under high flow conditions.



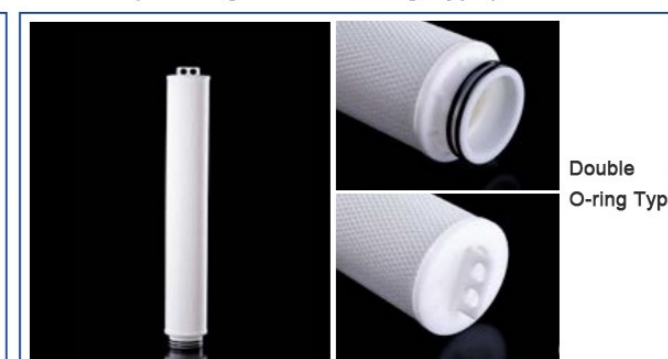
High Flow Filter Cartridge (3 M Type)



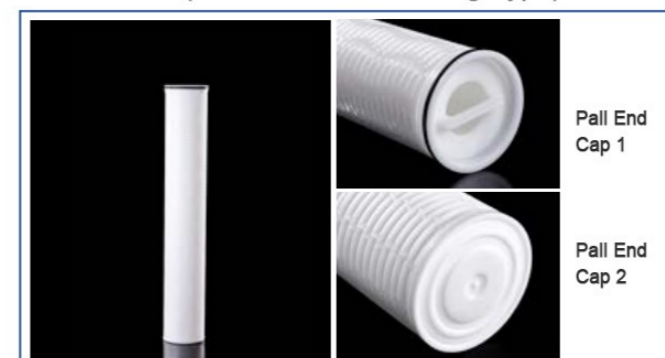
High Flow Filter Cartridge  
(PK Single Inner O-ring Type)



High Flow Filter Cartridge  
(PK Double inner O-ring Type)



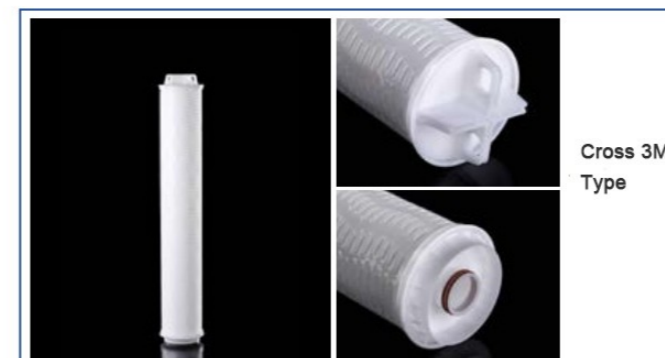
High Flow Filter Cartridge  
(PK Double Outer O-ring Type)



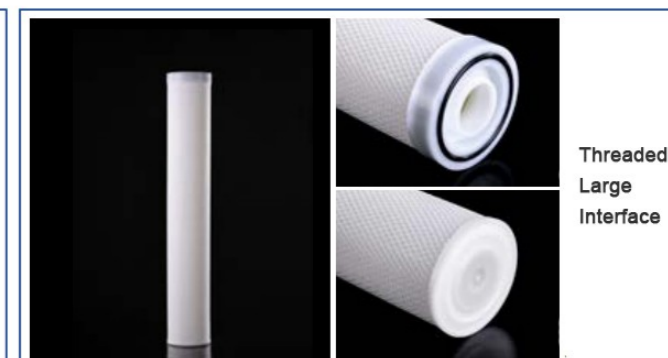
High Flow Filter Cartridge (PK Type)



High Flow Filter Cartridge (PL Cross-End Type)



High Flow Filter Cartridge (Cross 3M Type)



High Flow Filter Cartridge  
(Threaded Large Interface Type)