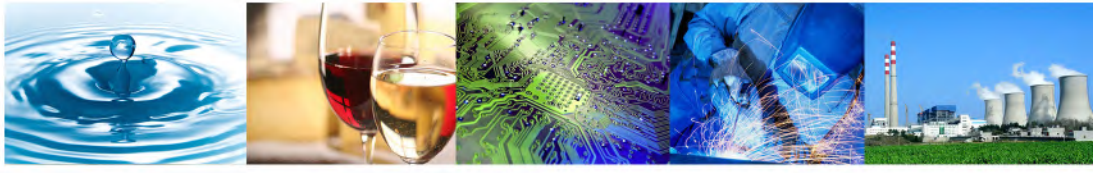
Hongtek®
Make Better Filtration



FRP Series

Horizontal Single FRP High Flow Filter Housing

Description

FRP Series Horizontal Single FRP High Flow Cartridge Filter Housing offer a cost effective, easy to use cartridge filter housing solution. It's suitable for 40" and 60" high flow pleated filter, which means it has higher flow rate than traditional filter cartridges. Both end caps adopt FRP material and sealed with EPDM O-ring, which have high sealing performance and easy to assemble. Comparing to stainless steel high flow filter housing, FRP series FRP housing can be used more widely, has smaller footprint and are more economic. Besides the strong anti-corrosion performance, high-strength FRP high flow filter housing has the advantages of simple assembly, flexible design, reliable operation and easy replacement of filter elements, which makes it popular in various applications.

Features

- End cap is easy to remove and install, meaning less time is required to filter changeouts
- FRP filter housing has bright and clean internal surface, easy to cleaning and maintenance
- Modular design provides easy combination and disassembly according to different flow rate
- FRP high flow filter housing with compact design, up to 50% smaller than competitively sized housing
- High chemical resistance and high strength of corrosion resistance is a good choice for desalination project

Specification

Housing Material	FRP (Fibre Reinforced Polymer/Plastic)
Housing Direction	Horizontal
Cartridge Length	40", 60"
Number of Cartridge	1 Piece
Installed Filter Type	High Flow Filter Cartridge OD 6"
Filtration Rating	1μm - 100μm
Connection	Side Port
Inlet/Outlet Type	Clamp
Inlet/Outlet	DN80
Sealing Type	Clamp
Seal Material	EPDM, Buna-N, Viton, Silicon

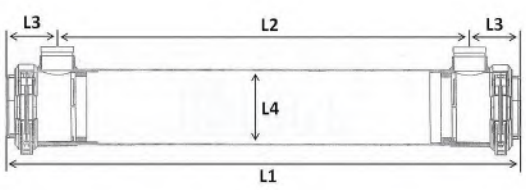
Application

- RO Prefiltration
- Food and Beverage
- Sea Water Desalination
- Industrial Water Treatment
- Brackish Water Prefiltration
- Power Plant Water Treatment

Operation Data

Working Temperature	5 - 66°C
Max. Pressure	1 Mpa
Connection	Side Port
Flow Rate	40" length: 30m³/h
	60" length: 45m³/h

Tech Support



DIMENSIONS (UNIT: MM)								
Round of Housing	Length of Cartridge	Diameter L4	Length L1	Length L2	Length L3	Width L5	Inlet\Outlet	REC. Flow Rate
1 Round	40 Inch	212	1400	1122	139	225	DN80	30 m³/h
1 Round	60 Inch	212	1908	1630	139	225	DN80	45 m³/h
Max. Working Pressure: 1 Mpa, Working Temperature: 5 - 66℃, Accept other size customization								

Order Information

HRP	Cartridge Length	Number of Cartridge	Inlet/Outlet Type	Connection	O-ring Material
FRP Series Horizontal Single FRP High Flow Cartridge Housing	40 = 40"	1 = 1pc	C = Clamp	N80 = DN80	E = EPDM
	60 = 60"				B = Buna-N
					V = Viton
					S = Silicon

For Example:

FRP-40-1-C-N80-E

FRP Series Horizontal Single FRP High Flow Filter Housing - 40" - 1pc - Clamp - DN80 - EPDM

More Water Treatment Capacity Can Be Combined With Multiple FRP High Flow Filter Housing

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