

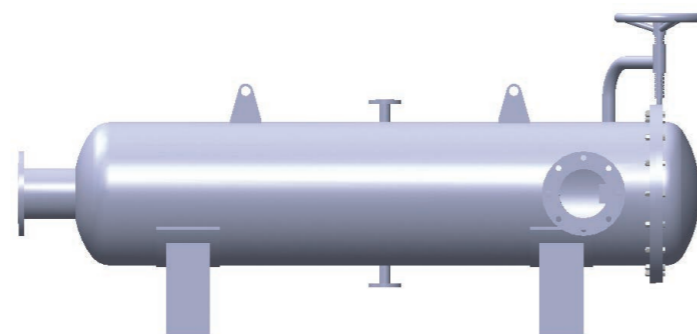
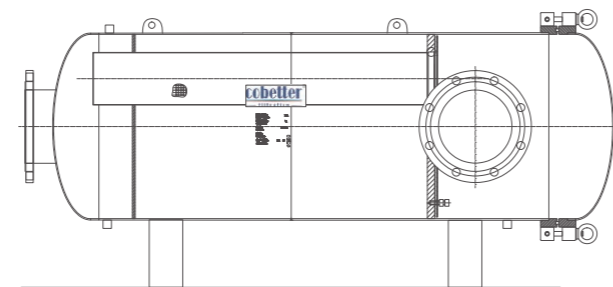


## H-HF150 Series High Flow Rate Industrial Filter Housing

### Large High Flow Rate Filter Housing

Cobetter H-HF150 Series Industrial Filter Housing designed for use with HF150 Series Filter Cartridges and mainly used for large fluid (liquid/water) flow rate applications, especially in water treatment. Designed for large flow rates, this filter housing requires a small area for installation. It is cost efficient and easy to operate when compared to traditional filter housings.

It is available in 304 or 316L stainless steel, which ensures strong corrosion resistance for a wide range of applications.



In addition, it is available in a horizontal or vertical configuration. Normally, a vertical configuration is composed of 10 round 40" filters. For large flow rates over 1000m<sup>3</sup>/h, we recommend choosing a horizontal configuration with 60" HF150 filter cartridges as it satisfies large flow rate applications and relatively easy to change.

## Surface Finish

Polish Type	Mirror Finish; Internal Mirror Finish Outer sand Blast
Surface Option	Internal Ra: 0.6μm; External Ra: 0.8μm

## Operating Conditions

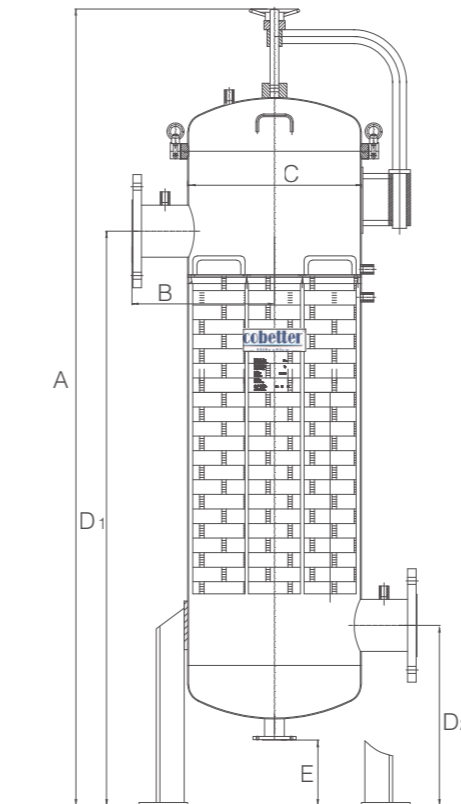
Max. Operating Pressure	0.6Mpa(6bar) / 1.0Mpa(10bar)
Max. Operating Temperature	90°C (194°F) / Design Temperature: 140°C

## Material of Construction

Housing Body	304;316L
Vent / Drain	304;316L
Screw Bolt	304
Leg	304
O-ring / Gaskets	Silicon, Viton, EPDM

## Connection

Body Connection	Swing Bolt / C-Clamp
Inlet / Outlet	Flange
Vent	G1/2"
Drain	G1"
Pressure Gauge	M14*1.5



## Drawings & Dimensions

	1round		3round		4round		5round		6round		7round	
	40"	60"	40"	60"	40"	60"	40"	60"	40"	60"	40"	60"
A	1555	2055	2170	2670	2200	2700	2580	3080	2600	3100	2600	3100
B	250	250	380	380	400	400	410	410	455	455	455	455
C	219	219	400	400	450	450	550	550	550	550	550	550
D1	1355	1855	1655	2155	2175	2675	1840	2340	1860	2360	1860	2360
D2	335	335	405	405	420	420	550	550	570	570	570	570
E	150	150	150	150	200	200	200	200	200	200	200	200

## Ordering Information

H-HF150	Number of Filters	Filter Length	Material	End Cap	Housing Connection	Inlet / Outlet	Sealing Material	Design Pressure	Surface Finish	Configuration	Application
	<b>3</b>	<b>10</b>	<b>F</b>	<b>H</b>	<b>D</b>	<b>F80</b>	<b>S</b>	<b>X</b>	<b>A</b>	<b>V</b>	<b>P</b>
	<b>01</b> 1 round	<b>20</b> 20 inch	<b>F</b> 304	<b>H</b> HF150	<b>D</b> Screw Bolt	<b>F80</b> Flange DN80 (1round)	<b>S</b> Silicone	<b>X</b> 0.6MPa	<b>A</b> Mirror Polish	<b>V</b> Vertical	<b>P</b> Pharmaceutical
	<b>02</b> 2 round	<b>30</b> 30 inch	<b>S</b> 316L		<b>C</b> C-Clamp	<b>F125</b> Flange DN125 (2-3round)	<b>E</b> EPDM	<b>Y</b> 1.0MPa	<b>C</b> Internal Mirror Finish Outer Sand Blast	<b>H</b> Horizontal	<b>F</b> Food and Beverage
	<b>03</b> 3 round	<b>40</b> 40 inch				<b>F150</b> Flange DN150 (4round)	<b>V</b> Viton				<b>C</b> Chemical
	<b>04</b> 4 round	<b>60</b> 60 inch				<b>F200</b> Flange DN200 (5-6round)					
	<b>05</b> 5 round					<b>F250</b> Flange DN250 (7round)					
	<b>06</b> 6 round					<b>F250</b> Flange DN250 (8round)					
	<b>07</b> 7 round					<b>F250</b> Flange DN250 (9round)					



# H-FRP Housing

High Anti-Corrosive Performance  
Economical Design

Cobetter H-FRP Filter Housing designed for use with Cobetter HF-150 High Flow Filter. Since it is a separate unit, it can easily be connected and used in conjunction with a reverse osmosis system. Due to its high anti-corrosive ability and high strength glass fiber reinforced plastic (FRP), this housing is suitable and advantageous for use in seawater desalination.

## Features and Benefits

- Modular Design - provides easy connection and disassembly
- Attractive Appearance
- Valve on Branch Tube Allows for Filter Change-out – system remains running
- Available in Horizontal or Vertical Design



## Filter Cartridge Specifications

Number of Filter	1
Filter Length	1028mm/1540mm
Filter Diameter	152mm
Flow Direction	From Inside to Outside
Design Flow Rate	35m³/h

## Operating Conditions

Operating Pressure	0.6Mpa / 1.0Mpa
Operating Temperature	-10°C ~ 65°C

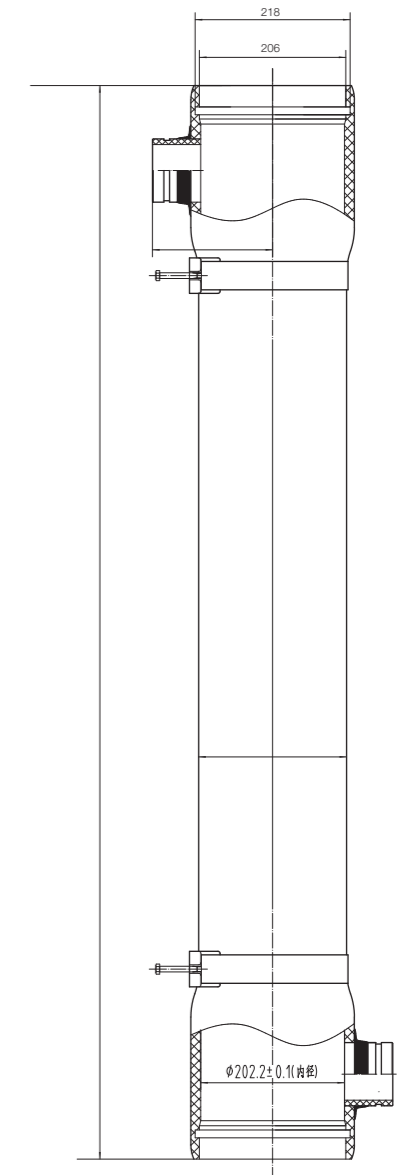
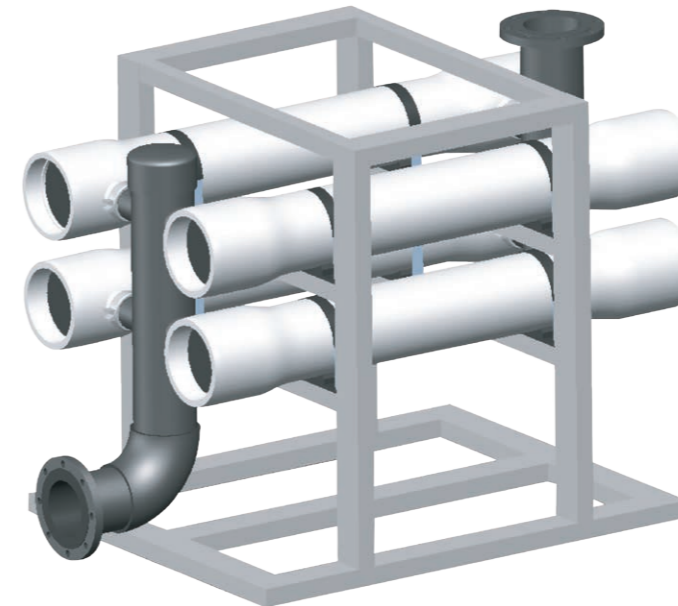


## Material of Construction

Housing Material	FRP
Inlet	FRP
Saddle	Rubber
Support Strap	Stainless Steel & Rubber & Brass
Strap Bolt	Stainless Steel
Seal Material	EPDM / Silicon/Viton

Remark: The system will be custom designed and manufactured per customer site conditions if flow rate exceeds 300m³/h.

## Drawings & Dimensions



## Ordering Information

	Number of Filters	Filter Length	Material	Filter Type	Inlet / Outlet	Sealing Material	Design Pressure	Application
H-FRP150	<u>1</u>	<u>60</u>	<u>F</u>	<u>H</u>	<u>C80</u>	<u>S</u>	<u>X</u>	<u>P</u>
	<b>01</b> 1 round	<b>20</b> 20 inch <b>40</b> 40 inch <b>60</b> 60 inch	<b>F</b> FRP	<b>H</b> HF150	<b>C65</b> Coupling DN65 <b>C80</b> Coupling DN80 <b>C100</b> Coupling DN100	<b>S</b> Silicone <b>E</b> EPDM <b>V</b> Viton	<b>X</b> 0.6MPa <b>Y</b> 1.0MPa <b>Z</b> Customize	<b>P</b> Pharmaceutical <b>F</b> Food and Beverage <b>C</b> Chemical