

## Impact Filtration Filter Housing

The **Impact Filtration Filter Housing** adopts a single-unit design that perfectly matches **iFILTRATION® HF Filter Cartridges**. Based on the plant environment, the housing and filter cartridges can be designed as a single unit or modular with RO systems to optimize space usage. FRP's high corrosion resistance and strength provide an absolute advantage in seawater desalination and zero liquid discharge applications.

The standard design outflow flow rate of a single unit is designed between 15-50 m<sup>3</sup>/h. An infinite outflow is achieved by a modular design. CNC winding process and high-quality raw materials provide a gloss finish inner surface to prevent the growth of bacteria and an easy-to-clean feature.

### FEATURES

- Modular Design
- Effective space utilization
- Easier to assemble and disassemble the modular unit
- Easier for filter cartridge replacement
- Gloss finishes inner surface, easy to clean
- High corrosion resistance for Seawater or Brine applications
- Optional for vertical or horizontal installation
- Optional inlet flow selection: End Port / Side Port
- Optional material: 304SS & 316LSS

### APPLICATIONS

- Seawater Desalination
- UF, RO, EDI and security filtration
- UF and RO CIP Cleaning
- Pretreatment filtration or security filtration



## Materials of Construction

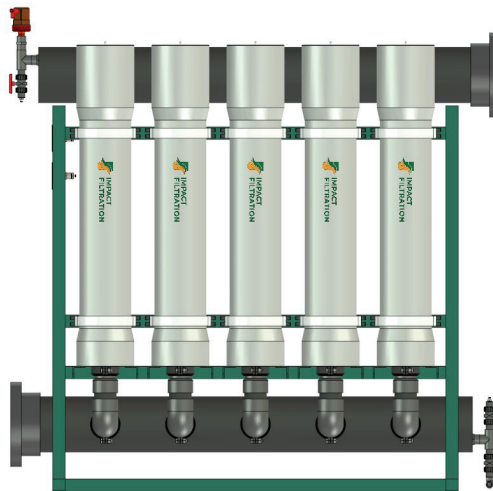
<b>Housing / Shell</b>	FRP / 304SS / 316LSS
<b>End Cap</b>	ENGINEERING THERMOPLASTIC 304SS / 316LSS
<b>Ports</b>	FRP / 304SS / 316LSS
<b>Seals</b>	EPDM / FKM / SILICONE

## Operating Limits

<b>Design Pressure</b>	100 PSI (0.69 MPa) / 150 PSI (1 MPa)
<b>Design Temperature</b>	49°C (120°F)
<b>Min. Allowable Temperature</b>	-10°C (14°F) / 150°C (302°F)
<b>Medium</b>	Seawater / Brackishwater
<b>pH</b>	3 ~ 11

## Model Selection

	INSTALLATION	FILTER LENGTH	MATERIAL	FEED	FILTER NUMBER	INLET/OUTLET	SEAL
<b>HQW-HF</b>	V = Vertical	20 = 20"	FRP	S = SIDE PORT	1 = 1 FILTER	G080 = DN80	E = EPDM
	H = Horizontal	40 = 40"	304 = 304SS	E = END PORT	2 = 2 FILTERS	G100 = DN 100	F = FKM
		60 = 60"	316 = 316LSS		10 = 10 FILTERS	G300 = DN 300	S = SILICONE



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