

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 m³/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

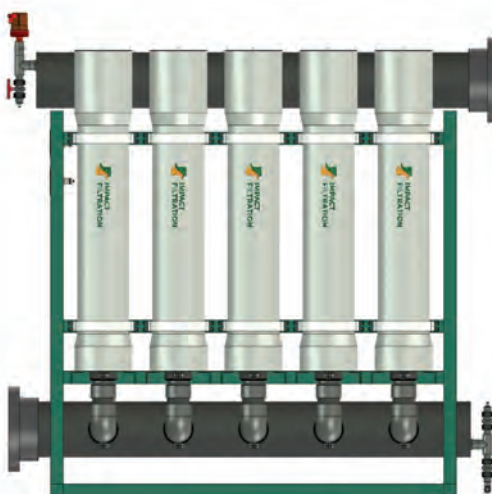
Housing / Shell	FRP / 304SS / 316LSS
End Cap	ENGINEERING THERMOPLASTIC 304SS / 316LSS
Ports	FRP / 304SS / 316LSS
Seals	EPDM / FKM / SILICONE

Operating Limits

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

Model Selection

	INSTALLATION	FILTER LENGTH	MATERIAL	FEED	FILTER NUMBER	INLET/OUTLET	SEAL
HQW-HF	V = Vertical H = Horizontal	20 = 20"	FRP	S = SIDE PORT	1 = 1 FILTER	G080 = DN80	E = EPDM
		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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