

## **IFILTRATION® FRP**

**IFILTRATION Cartridge Filter Housing** adopts a single unit design, which perfectly matches with Impact Filtration filter cartridges. The housing and cartridges filter can be designed as a single unit based on the plant environment or a modular with RO systems to optimize space usage. The high corrosion resistance and high strength of FRP provides an absolute advantage in seawater desalination and zero liquid discharge applications. The outflow of a single unit is designed between 10-40 m<sup>3</sup>/h. An infinite outflow is achieved by a modular design. CNC winding process and high-quality raw materials provides a gloss finish inner surface to prevent the growth of bacteria and an easy-to-clean feature.

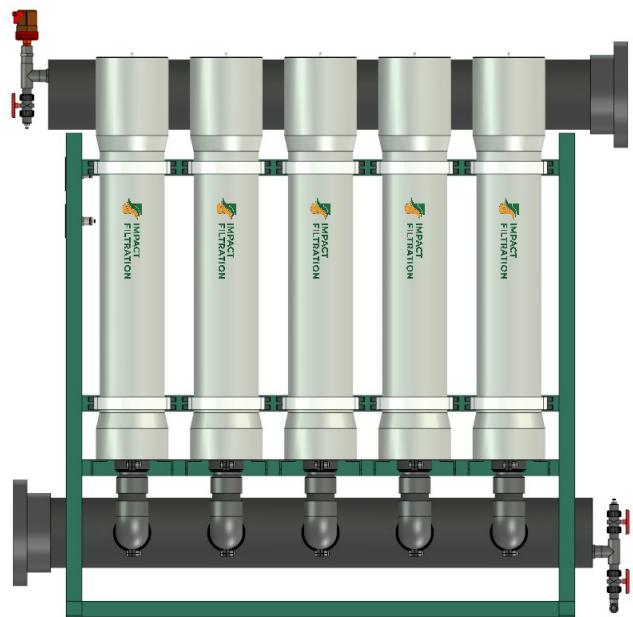
### **FEATURES**

- Combination arrangement structure
- Effectively utilizing space by adopting a modular design
- Achieving any designed flow by using a modular design
- Assembling and disassembling the modular unit easily
- Opening the end cap and replacing the cartridge filter easily and fast user friendly design
- Gloss finish inner surface, easy to clean
- High corrosion resistance for seawater desalination and brine application
- Optional installation: vertical or horizontal
- Optional inlet flow selection: end port or side port

### **APPLICATIONS**

- Seawater desalination
- UF, RO, EDI and other security filtrations and terminal filtrations
- UF, and RO cleaning and backwash
- Pretreatment filtration or security filtration in production, wastewater treatment and reclaimed water recycling
- High purity water prefiltration and terminal filtration for electronics and semiconductor industries
- ReInjection water, boiler water, chemical agents, liquid products, high purity chemicals and traditional Chinese medicine

- Drinking water, mineral water, fruit juice, tea and healthy drinks
- Design pressure: 0.6Mpa (6.0bar)
- Max operation temperature: 66°C
- Filtration media: water, seawater
- Housing material: FRP
- Housing inner diameter: 202mm
- Housing inlet and outlet material: UPVC/ABS/FRP
- Housing interface dimension : DN80 (89mm)/DN100(114mm)
- Housing interface: Coupling interface
- Filter models: IFILTRATION Cartridge Filter



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