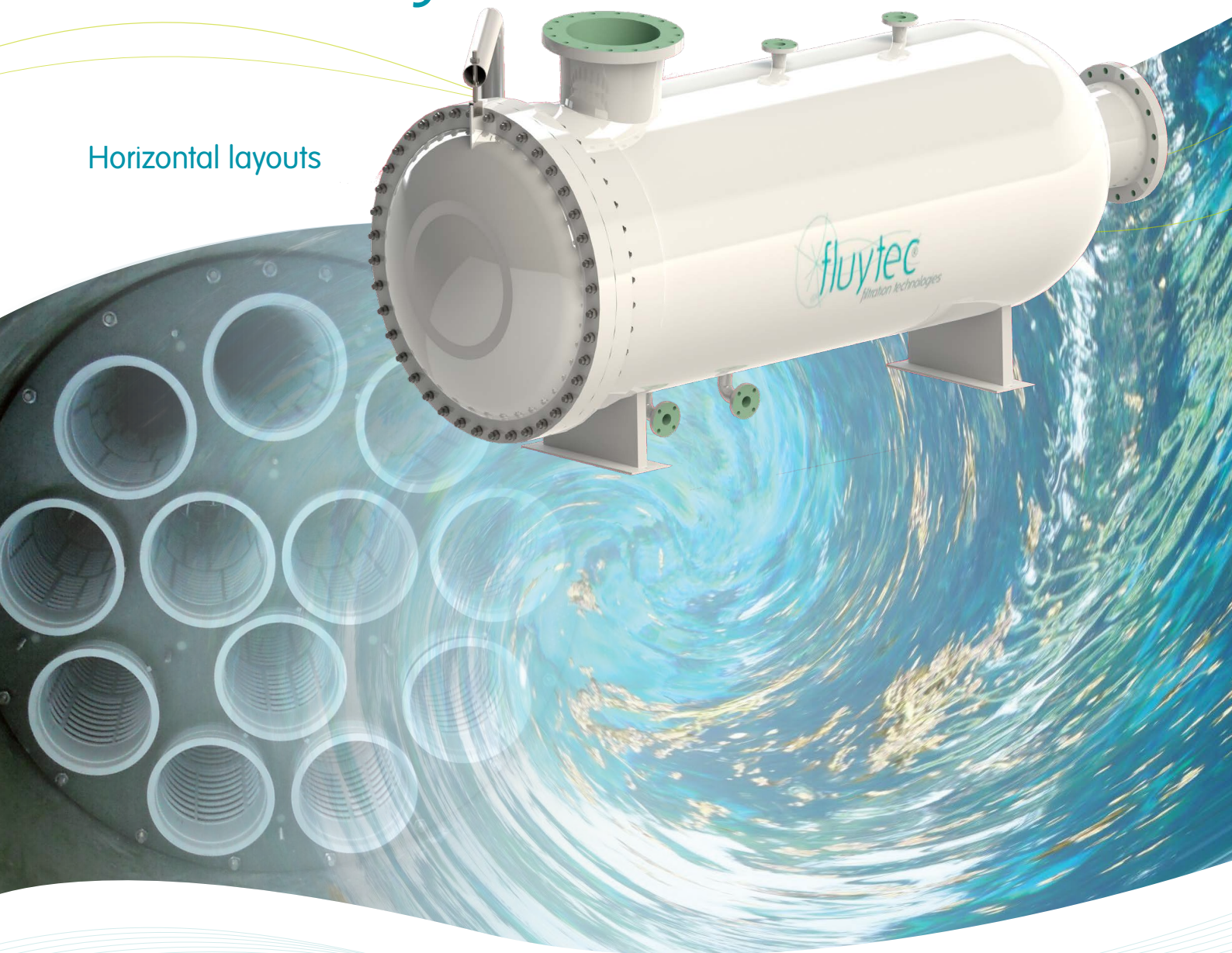




HF FTP Series

High Flow FRP/GRP Filter Housings

Horizontal layouts



Introduction

HF FTP filter housings lodge **high flow** cartridges that optimize designing process in order to obtain the **better flow/ footprint ratio**.

General Description

The bodies of these filters are designed according to the **Ad-Merkblatt*** design code from pressure vessels and are made according to the 97/23 CE S. S.3.3 European Standard for Pressure Filters.

The standard pressure is 6 bar and it is possible to design equipment for different nominal pressures under request. They have a natural internal finish while externally they are covered with a twin component paint and finished with a top coat of paint.

The internal parts in contact with the water are made of various plastics and the seals being O-rings are designed for **easy replacement and maintenance**.

All the main connections for the fluid inlet and outlet and the vent and drain are designed with **flanges**.

The equipment is anchored at the base with **Carbon Steel legs**, each with a hole for anchoring studs, not supplied by the manufacturer.

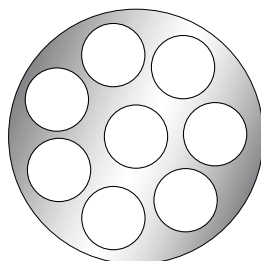
*Other design codes under request.

Advantages

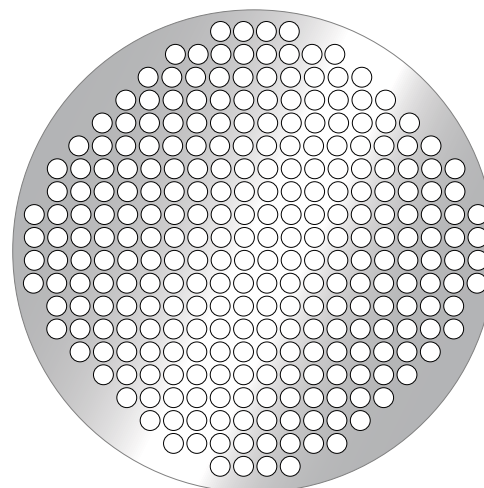
- Reduced footprint.
- Easy maintenance and cartridge replacement procedures.
- Savings due to more compact housings.
- Reduced height and therefore very suitable for containerized RO plants.

Standard Materials

- Body: GRP
- FB plate: GRP
- Closing plate: Polypropylene
- Baskets: Polypropylene
- External bolts: Stainless Steel
- O-ring: EPDM
- Legs: Carbon Steel



High flow cartridges false bottom plate.



Traditional cartridges false bottom plate.

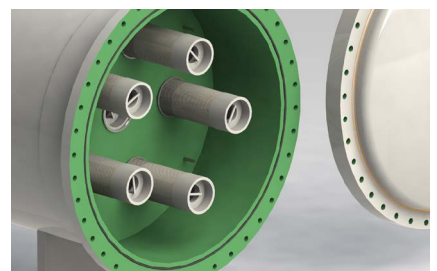
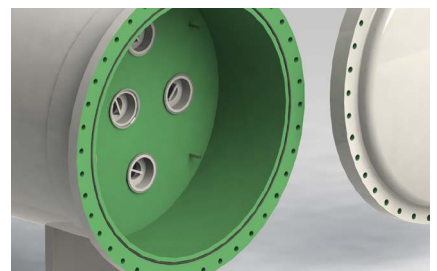
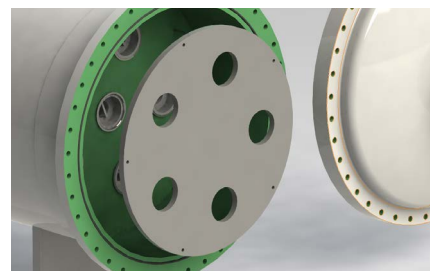
High Flow Cartridges

Most characteristic features for high flow cartridges lodged in HF FTP Series Filters.

| Specifications | |
|--|--|
| Retention Rating | 1, 3, 5, 10, 20, 40 microns* |
| Outer diameter | 6" (152 mm) |
| Length | 40" (1,016 mm), 60" (1,524 mm) |
| Filtration surface | 7.9 m ² (40"), 11.9 m ² (60") |
| Recommended flow rates | 40 m ³ /h (40"), 60 m ³ /h (60") |
| Maximum differential pressure (recommended change out) | 2.1 bar |

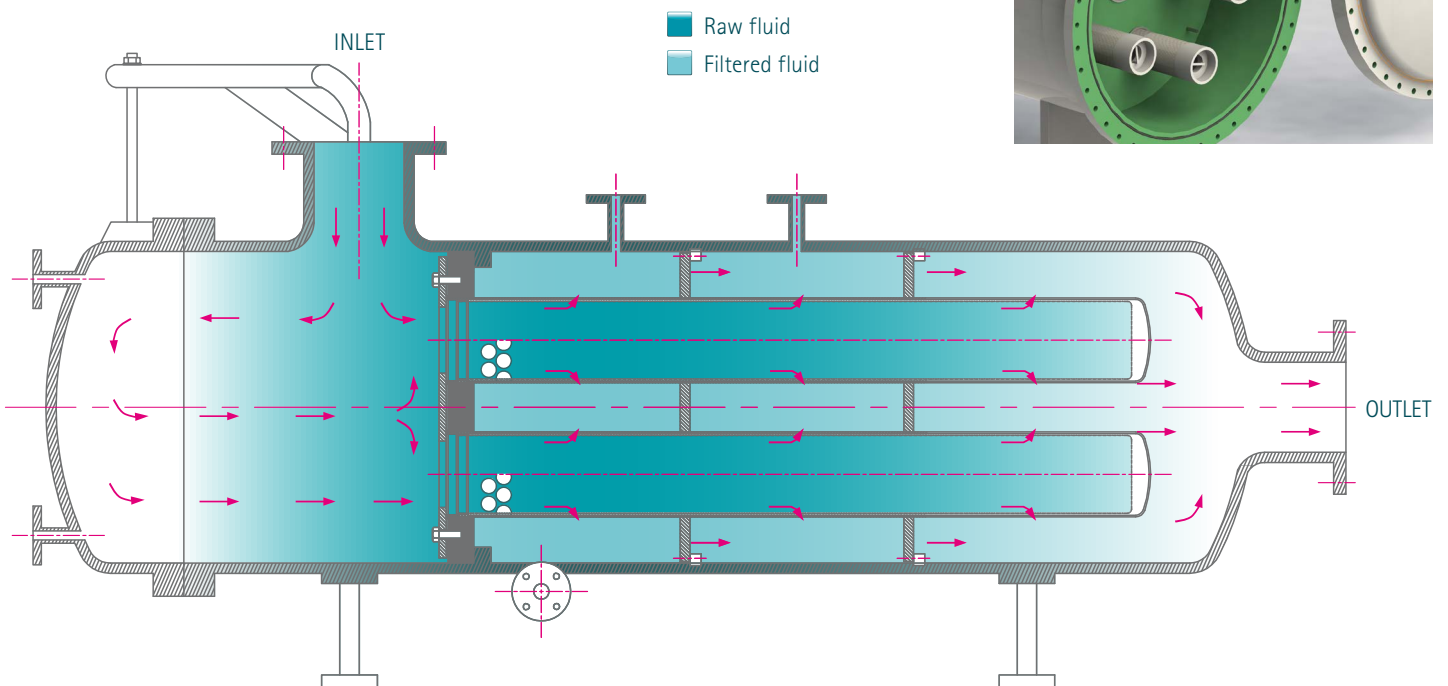
| Materials | |
|--------------|---------------------------------------|
| Filter media | Depth type pleated 100% polypropylene |
| Core / Cage | Polypropylene / Polypropylene cage |
| O-ring | EPDM* |

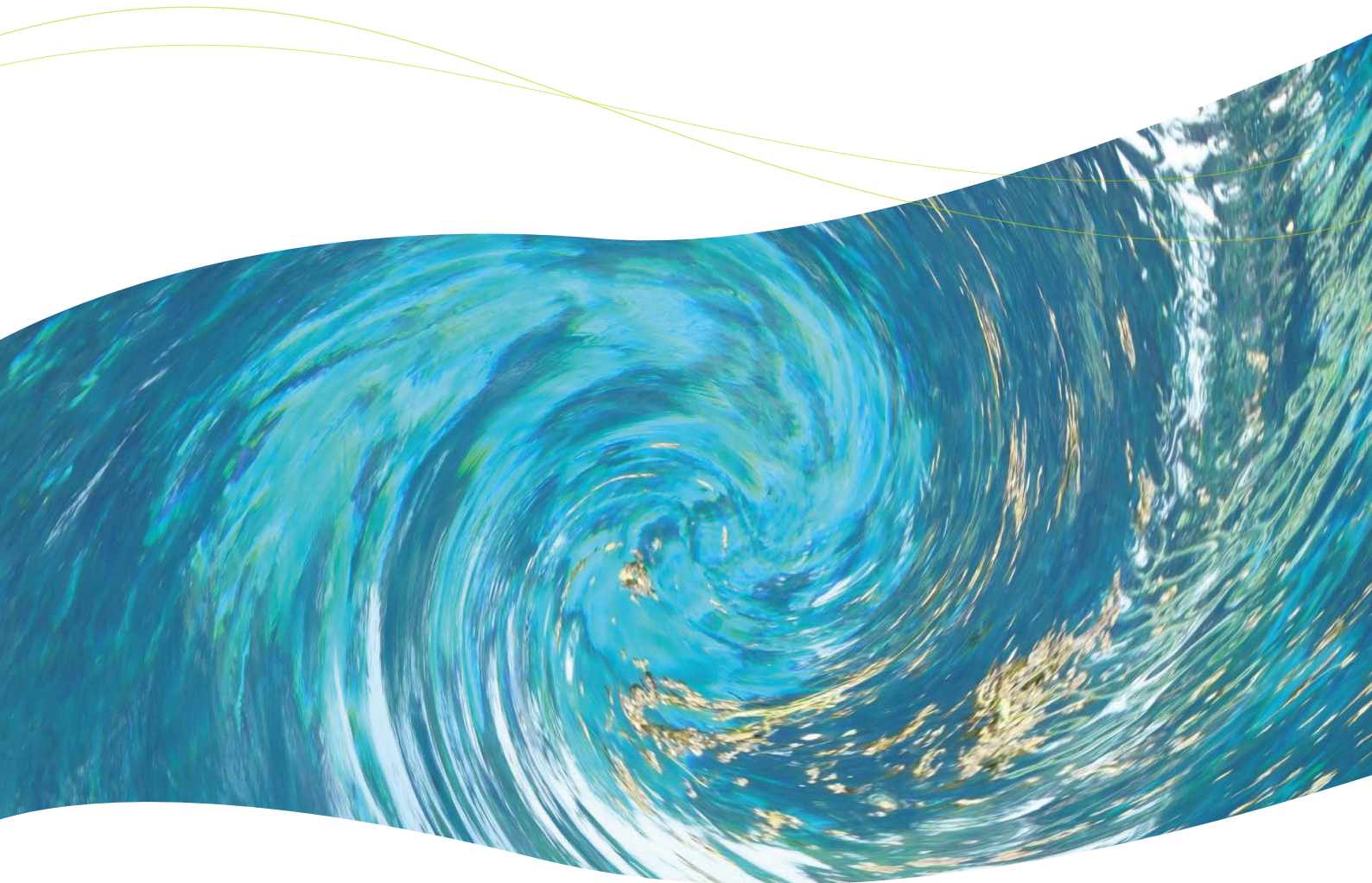
*Other options available under request.



Advantages

- Individual flow capacity per filter element up to 70 m³/h (60").
- Absolute filtration rate (β ratio 5,000).
- FITO flow pattern, capturing and retaining all contaminants inside the filter element, preventing dirt release at cartridge changing operations.
- Manufactured by thermal bonding process, no additives and surfactants containing.





Subject to change without notice.

Other products in this range:

- FTAUR series (automatic backwashing filters)
- FTP series cartridge filters (GRP)
- ...

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