



Filter Concept Offers Corrosion resistant Fiber Reinforced Plastic (FRP) Filter housing to meet the demanding needs of industry to Filter corrosive and non-corrosive fluids for various applications including Chemicals, Oil and Gas, Petrochemical, Power Generation, Desalination, Potable Water, Municipal and many more Industries.

Operation

Contaminated fluid enters the housing and is distributed evenly around the filter cartridges/Filter Bags. Filtration takes place from outside to inside or Inside to outside depending upon flow patterns. Solids are collected on the outside of filter cartridges or Inside of the Filter Bags & clear filtrate is collected at outlet.

Features & Benefits:

- Cost effective for Installatio
- Low maintenance compared with other materials
- Excellent chemical resistance
- Easy to repair in case of accidental damage
- Light Weight & Long Life

Special Options

- Customized design available
- Positive sealing arrangement to avoid bypassing
- ASME Designs available

Technical Specifications

Sizes (FRP/GRP filter housings suitable for Cartridge Filter)

- 1 No. To 250 Nos. Of Cartridges in Single Housing
- 2" , 2.5" , 4" , 6" & 8" Diameter of Cartridge
- 10" , 20" , 30" , 40" , 50" & 60" Length of Filter cartridge

Sizes (FRP/GRP filter housings suitable for Bag Filter)
FRP/GRP Bag filter system suitable for

- Ø 4" x 10" Long Filter Bag
- Ø 4" x 17" Long Filter Bag
- Ø 7" x 17" Long Filter Bag
- Ø 7" x 32" Long Filter Bag

Multiple bag filter system suitable for

- 2 Nos. Of Ø 7" x 32" Long Filter Bag
- 3 Nos. Of Ø 7" x 32" Long Filter Bag
- 4 Nos. Of Ø 7" x 32" Long Filter Bag
- 5 Nos. Of Ø 7" x 32" Long Filter Bag
- 6 Nos. Of Ø 7" x 32" Long Filter Bag
- 7 Nos. Of Ø 7" x 32" Long Filter Bag
- 8 Nos. Of Ø 7" x 32" Long Filter Bag
- 9 Nos. Of Ø 7" x 32" Long Filter Bag

Flow Rate

- Capacity: Up to 1000 m³ /hr & more

Material of construction

- Fiber Reinforced Plastic (FRP)
- Glass fiber Reinforced Plastic (GRP)
- POLYPROPYLENE

Cartridge filter housing suitable for filter cartridges of

- Double Open End (DOE) Type
- Code 7 (226 O' Ring) Design
- Code 3 (222 O' Ring) Design
- NPT Threaded Connection Type

Gasket / O Ring Material

- Neoprene
- Nitrile
- Silicone
- Viton
- Buna N
- EPDM
- PTFE
- Spiral Wound
- CAF

End connections available

- NPT / BSP Threaded
- Flanged Table E / Table F
- ANSI B 16.5 Flanged
- DIN Standard

Applications

• Chemicals
• Water Treatment
• Paints & Inks
• Bore Well water
• Dyes & Intermediates
• Processing Chemicals
• Pharmaceuticals
• Coolants
• Food & beverages
• Dairy
• RO Pre filtration
& Many More