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## PP Pleated and glass fiber cartridges / High Flowment

## Process Filtration



PP Pleated and glass fiber cartridges are designed for higher filtration area & high throughput .It has 6 inch/152mm large diameter, and is coreless, single open-ended structure with an inside to outside flow pattern. Due to its large diameter with big filter area, it requires lesser elements for a given flow rate than standard cartridges diameter, due to lesser elements Filter vessels 's size workout smaller, resulting in lower capital Investment and installation costs, as well as reduced operating costs.

## Features & Benefits

- Easy to dispose due to its unique coreless design
- Minimize overall size of filter housing due to its high throughput
- Absolute rated filtration efficiency

## Technical Specifications

### Construction

- Filter media : Pleated glass fiber, Pleated depth Polypropylene(PP)
- Support / Drainage: Polypropylene(PP)
- End cap : Glass fiber reinforced Polypropylene
- O-ring seal : EPDM, NBR
  
- Sizes : 20.69 "(525mm), 40.69"(1033mm), 60.69 "(1541mm)
- Micron Rating : 1, 4.5, 6, 10,20,40,70,100 Microns
- Outside Diameter : 6 inch(152mm)

## Operating Conditions

### Maximum Operating Temperature

- Pleated glass fiber 121°C
- Pleated PP 82°C

### Maximum Differential Pressure

- Pleated glass fiber : 2.4 bar (g) at 120°C
- Pleated PP : 2.4 bar (g) at 80°C

### Suggested maximum Flow of water

- 20.69 inch length : 660LPM
- 40.69 inch length : 1300LPM
- 60.69 inch length : 1900LPM

## Applications

- Prefiltration of RO,Pretreatment of sea water desalination
- Condensate water filtration,hot water recovery in power generation
- API, solvents,and water filtration in BioPharm market
- The filtration of bottled water, high Fructose,edible oil,soft drinks,and milk
- Paints and coatings,Petrochemical,Refineries
- Microelectronics,film,fiber and resin
- Aviation Turbine Fuel, High sulfur diesel fuel ( HSD) etc.



## Filter Concept Pvt. Ltd.

ISO 9001 : 2008  
ISO 14001: 2004  
OHSAS : 18001 : 2007

CE  
ASME 'U' Stamp  
ASME 'UM' Stamp

The National Board Of Boiler  
& Vessel Inspectors 'R' & NB  
Certified Company

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