



PF-UF

Pleated Filter Cartridge

PF-UF

Ultrafilter PF-UF pleated filter cartridges are designed for applications requiring a very high flow rate, they are equally suitable for use as membrane pre-filters or final polishing filters in applications that do not require membrane filtration. The use of an spacer mesh as an upstream pleat support means that fluid flow is uniform across the entire surface of the filter medium, the mesh holds the flow channels open thereby maximizing dirt holding capacity and minimizing pressure drop across the filter.

Ultrafilter PF-UF cartridges are absolute rated, tested to Beta 5000 using the industry standard single pass OSU-F2 test procedure with ISO 12103 part 1 A2 Fine and A4 Coarse test dust as appropriate.

Ultrafilter PF-UF filter cartridges have excellent chemical compatibility. Thermal bonded construction eliminates the requirement for adhesives, maintaining product integrity in demanding applications and minimizing the level of extractable in the filtrate. All materials conform to the relevant requirements of FDA CFR21 part 177 and cartridges using polypropylene filter media meet the requirements for food contact as detailed in European Regulation 1935/2004.

Features and Benefits:

- Absolute micron ratings ensure consistent, repeatable performance.
- Inside to out flow ensures that contamination is collected inside the filter cartridge, for easy disposal.
- Ultrafilter PF-UF filters meet the requirements for food contact as detailed in EC 1935/2004 .
- Large surface area, typically 5m² per 40" and pleat spacing mesh on the inner layer ensures low initial pressure drops and high dirt holding capacity, for extended service life.
- 100% Polypropylene construction (PP only) and thermal bonding mean wide chemical compatibility and minimum levels of extractable.
- Suitable for steam sterilization, autoclaving and hot water sanitation.
- Available in 20", 40" and 60" lengths to retrofit most existing installations.
- Available in 0.45, 1, 5, 10, 25, 50 and 100 micron retention rate.



PLEATED FILTER CARTRIDGE

Technical Data:

DIMENSIONS

Outside Diameter	154 mm
Inside Diameter	75 mm
Lengths	20", 40", 60"

OPERATING CONDITIONS

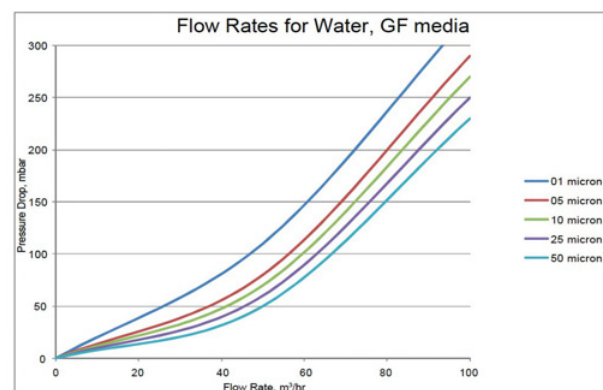
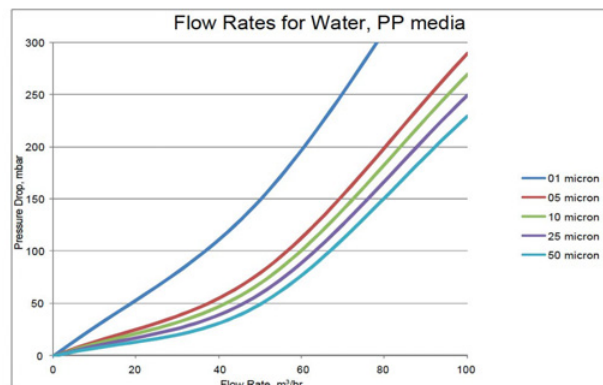
Recommended changeout ΔP	1,5 bar at 20°C
Recommended Maximum ΔP	1,0 bar at 80°C
Forward Flow	3,5 bar at 20°C 1,8 bar at 65°C 1,0 bar at 80°C
Reverse Flow	Not recommended

SANITISATION

Steam or Autoclave	121°C for 15 minutes
Hot Water	90°C for 30 minutes repeatedly

MATERIALS OF CONSTRUCTION

Surface area	5m ² /40" typical
Filter Medium	Polypropylene or Glas Fibre
Drainage layers	Polypropylene
Support mesh	Polypropylene
Outer Core	Polypropylene
End Caps	Polypropylene
O-rings	EPDM, Nitrile, Silicone, FEP, Viton



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