

Hall Pyke



Surface Pre Filtration

PolyFlow

The SMART choice for filtration

PolyFlow[®] Filter Cartridges

Polypropylene · Pre-filter for Liquids

PolyFlow[®] Filter Cartridges are composed entirely of pleated polypropylene microfiber which provides great filtration performance with a low cost. Characteristics include high flow rates, dirt holding capacity, and filtration efficiency making it the ideal solution for the pre-filtration of liquids.

Features and Benefits

- High filtration efficiency
- Broad chemical compatibility makes it suitable for acids, bases, and solvents
- Pleated surface area provides superior flow rate and extended service life
- Welded design eliminates the need for adhesives which can be a contamination source
- Available in nominal ratings from 0.1 µm to 25 µm for precise particle removal

Quality Standards

- Designed, developed and manufactured in compliance with ISO9001
- Full Regulatory Compliance with the following:
 - 21CFR.210.3(b)(5)(6), 211.72 for Non-Fiber Release
 - Endotoxins: <0.25EU/ml/10inch filter
 - USP <88> Plastic Class VI-121°C
 - FDA 21 CFR177-182 & EU 1935/2004/EC

Typical Applications

- Biological Products
- Fermentation Liquids
- Infusion Solutions
- Process Water
- RO Water

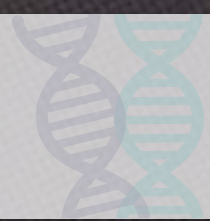
Sterile Filtration

Bio-burden Reduction

Pre-Filtration

All-Fluorine Filters

Capsule Filters



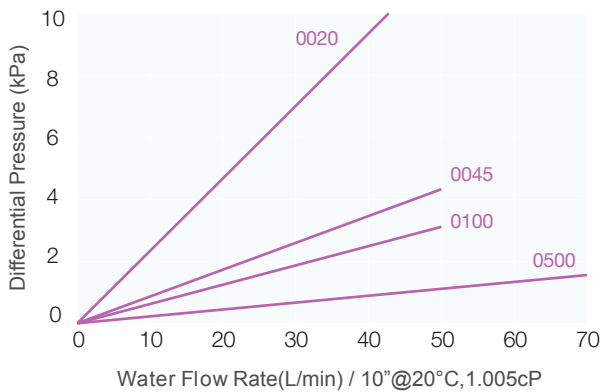
Materials of Construction

| | |
|--------------------|---------------|
| Filter Media | Polypropylene |
| Support | Polypropylene |
| Core/Cage/End Caps | Polypropylene |

Operating Conditions

| | |
|----------------------------|--|
| Max. Temperature | 80°C |
| Max. Differential Pressure | 4.0 bar / 21°C 2.4 bar / 80°C |
| Effective Filtration Area | 0.51-0.61m ² / Ø 69-10 inch |

Flow Rate Characteristics



Ordering Information

| HPP | Removal Ratings | End Cap | Nominal Length | Seal Material | -P |
|-----|---------------------------|----------------------------|----------------|---------------|----|
| | 0020=0.2µm 0300=3.0µm | HSF=226 /Fin (PBT Insert) | 05 =5" | S =Silicone | |
| | 0045=0.45µm 0500=5.0µm | HSC=226 /Flat (PBT Insert) | 10 =10" | E =EPDM | |
| | 0100=1.0µm 1000=10µm | HTF=222 /Fin (PBT Insert) | 20 =20" | V =Viton | |
| | 2000=20µm | HTC=222 /Flat (PBT Insert) | 30 =30" | | |
| | | DOE=Double Open End | 40 =40" | | |

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