



## Hydrophobic PTFE / Hydrophilic PTFE Pleated Filter Cartridge with PVDF Cage

HMPF series filter cartridges are designed with PTFE membrane, ECTFE support layer and PVDF outer cage and can resist strong acids, strong bases, organic solvents and corrosive fluids. Flexibility to choose hydrophobic (HO) or hydrophilic (HP) PTFE membrane to suit different applications.

### APPLICATIONS

- Sterile filtration for various water-soluble solvents in the pharmaceutical industry.
- Microelectronics semiconductor industry for wet etching and washing process water.
- Eye drops, sterile filtration of antibiotics.
- Sterile filtration of highly corrosive solvents and organic solvents.
- Filtration of highly corrosive water-soluble chemicals.
- Respirators, fermentation tank, gas sterilization filtration.

## BENEFITS

- Excellent performance of high temperature-resistance, repeat steam ability in situ
- Excellent chemical compatibility
- Absolute filtration efficiency
- 100% integrity tested and material meet FDA requirements



### Outside Diameter

2.7" (69mm)

### Filter Media

Hydrophobic PTFE or Hydrophilic PTFE

### Support

ECTFE

### Cage/Core/End cap

PFA, PVDF



### Removal Rating ( $\mu\text{m}$ )

0.05 0.1 0.22 0.45 1 10

### Length ( " )

9.75 10 20 30 40

### Seal Material

S = Silicone	E = EPDM	B = NBR
V = Viton	T = Teflon	F = E-FKM



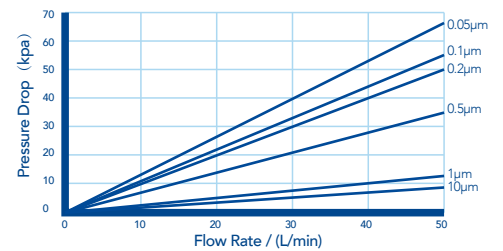
### Maximum Operating Temperature

120°C

### Maximum Operation Differential Pressure

Forward 0.42Mpa  
Reverse 0.21Mpa

### Differential Pressure vs. Flow rate (10")



## END CAP CONFIGURATION



## ORDERING CODE

Example : HMPF-HO-0.22-10-4-W

	PTFE Media	Removal Rating	Length	End Cap Type	Seal Material	Package
<b>HMPF</b>	<b>HO</b> = Hydrophobic <b>HP</b> = Hydrophilic	<b>0.05</b> = 0.05 $\mu\text{m}$ <b>0.1</b> = 0.1 $\mu\text{m}$ <b>0.22</b> = 0.22 $\mu\text{m}$ <b>0.45</b> = 0.45 $\mu\text{m}$ <b>1</b> = 1 $\mu\text{m}$ <b>10</b> = 10 $\mu\text{m}$	<b>5</b> = 5" <b>975</b> = 9.75" <b>10</b> = 10" <b>20</b> = 20" <b>30</b> = 30" <b>40</b> = 40"	<b>0</b> = DOE <b>2S</b> = 222/Flat/SS <b>4S</b> = 222/Fin/SS <b>2</b> = 222/Flat <b>4</b> = 222/Fin <b>3</b> = 226/Fin <b>3S</b> = 226/Fin/SS <b>1</b> = 226/Flat <b>1S</b> = 226/Flat/SS	<b>S</b> = Silicone <b>E</b> = EPDM <b>B</b> = NBR <b>V</b> = Viton <b>T</b> = Teflon <b>F</b> = E-FKM	<b>Blank</b> = No Pre-wetting <b>W</b> = Pre-wetting