

PTFE Membrane Pleated Filter Cartridge

Features

- ◇ PTFE membrane has great chemical resistance
- ◇ The membrane has about 80~95% porosity
- ◇ With 0.9 m filtration area, low pressure drop and high flow rate
- ◇ Manufactured in cleanroom and integrity test is available
- ◇ Absolute filtration with 0.01 micron efficiency for air filtration, ensure to remove the bacteria, virus and microorganism
- ◇ MPT (Mitochondrial permeability transition) class filter cartridge has high performance on the process of microbiological defense

Applications

- ◇ The processes of semiconductor production and TFT-LCD fabrication (Including wet etching, Solvent Stripped and Cleaning)
- ◇ Endurable to corrosion of acid, alkali salt and solvents under 80°C
- ◇ CD & DVD manufactory (Electroplate liquid and photoresist filtration)
- ◇ Terminal filtration with high precision for DI(Deionized) water system
- ◇ Optoelectronics, pharmaceutical & chemicals industries (Filtration of photoelectrochemical process and chemical delivery system)

Specifications

Cartridge Material	PTFE (Polytetrafluoroethylene) Membrane Hydrophobic (CWF) or PTFE (Polytetrafluoroethylene) Membrane Hydrophilic (CWP)
Support Material	High Strength Polypropylene
Micron Rating	0.05, 0.1, 0.2, 0.45, 1, 3, 10, Other Micron
ID/OD	28mm/64mm; 28mm/ 69mm; 28mm/80mm

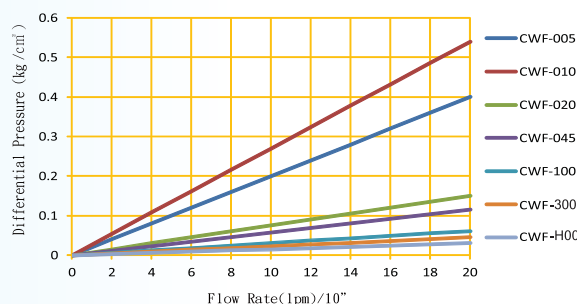


Operating Conditions

Max. operating pressure drop	90°C: 1.4kg/cm ² (Purified Water); 20°C:5.6kg/cm ²
Max. operating temperature	90°C
Filtration Area	CWF/CWP ≥ 0.8m ² 10"
	CWF-E/CWP-E ≥ 0.9m ² 10"

Initial Pressure Drop

Flow vs. Differential Pressure



Product Code

CWF-E	005	T	7	4	A	B
Product Model	Micron Rate	O-ring /Gasket	Ending Cap	Length	Pre-wet	Integrity Test
CWF-N : OD64 mm CWF : OD69 mm CWF-E : OD80 mm CWP-N : OD64 mm CWP : OD69 mm CWP-E : OD80 mm	005 : 0.05 micron 010 : 0.1 micron 020 : 0.2 micron 045 : 0.45 micron 100 : 1 micron 300 : 3 micron H00 : 10 micron	No Symbol : Non O-ring A : EVA E : EPDM N : Buna N S : Silicone V : Viton T : Teflon Encapsulated Viton	No Symbol : Non F : DOE 0 : 222/Flat 5 : 222/Fin 6 : 226/Flat 7 : 226/Fin A : 213/213 B : 213/Flat C : 213/Fin	1 : 10" 2 : 20" 3 : 30" 4 : 40" *Customized Length (mm)	A : Non Pre-wet B : Pre-wet	A : Non Integrity Test B : Integrity Test