

CWF-e Series – PTFE Cartridge

Features :

PTFE membrane has excellent chemical resistance, PTFE membrane has about 80~95% porosity. 0.9m² of filtration area, low pressure drop, and high flow rate. Manufacture in clean room, high clean cartridge. Integrity test is available. Filtration efficiency up to 0.01 micron for air filtration, able to filter bacterium, toxin and micro organism. MRT grade disinfection air filter has excellent performance on micro organism prevention.

Applications :

Filtration for wet etching, solvent stripping, and claeaning manufacturing processes of semiconductor and TFT-LCD factory. Filtration of strong acid, base solutions and DI water under 80°C for LCD factory. Filtration of CD-R and DVD-R factory. Terminal fine filtration of DI water system. Filtration of chemical delivery system for special photoelectrochemical.

Specification

Material : PTFE (Polytetrafluoroethylene) Membrane.
Support : High Strength Polypropylene.
Micron Rating : 0.05, 0.1, 0.2, 0.45, 1,3 µm.
Diameter : ID28mm / OD69mm , ID28mm / OD83mm.

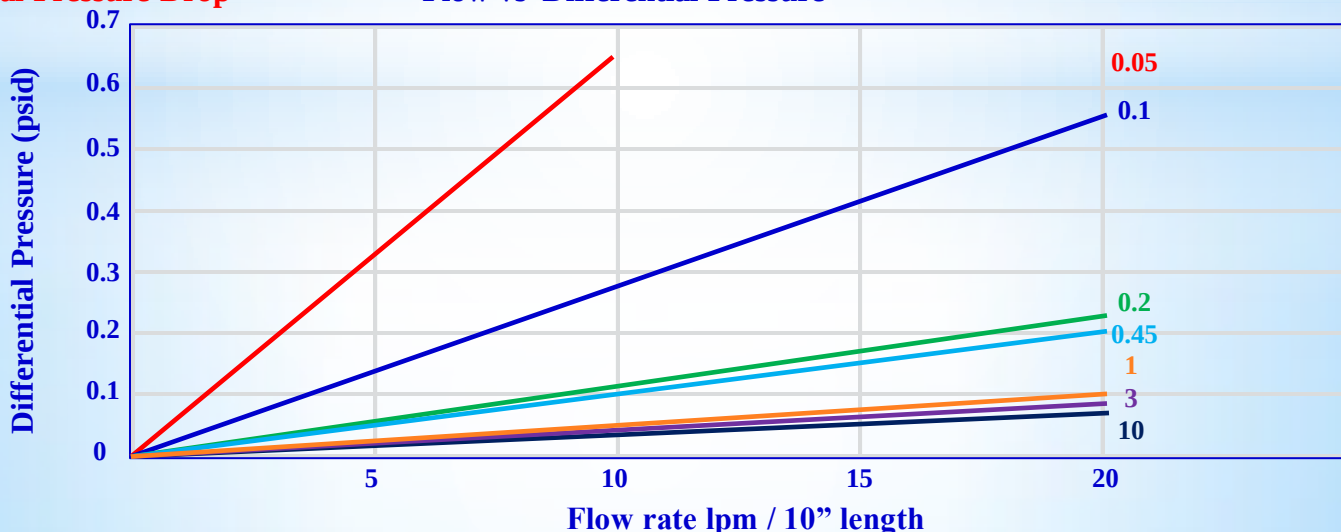
Operating Condition :

Maximum operating forward pressure : 95°C : 1.4 kg/cm², 20°C : 5.6 kg/cm²
Maximum operating temperature : 95°C
Filtration Area : 0.9m² (10")



Initial Pressure Drop

Flow vs Differential Pressure



Series	Micron rating	Gasket	Ending cap	Length
CWF-e	005 : 0.05 µm	E : EPDM	F : DOE	1 : 10"
	-----	N : Buna N	0 : 222 Flat	2 : 20"
	100 : 1 µm	S : Silicol	5 : 222 Fin	3 : 30"
	-----	V : Viton	6 : 226 Flat	4 : 40"
	H00 : 10 µm	T : Teftlon	7 : 226 Fin	