

Max- Flow Filter Cartridge



Features

- ◇ New large, pleated construction design
- ◇ Inside-out construction, high filtration quality
- ◇ Up to 40 times higher loading capacity than normal depth filter cartridge
- ◇ High surface area, less cost
- ◇ Excellent filtration efficiency, longer service life
- ◇ Easy cartridge replacement
- ◇ High Flow: Up to 113m³/hour (500 US gal/min)

Applications

- ◇ RO Pre- filtration
- ◇ UF Pre-filtration
- ◇ Coolant
- ◇ Waste Water Treatment
- ◇ Low Viscosity Chemicals

Filtration Efficiency

Item	Efficiency (um)	Initial pressure drop (kg/cm ²)							
		20"/508 mm		40"/1016 mm		60"/1524 mm		80"/2032 mm	
(HFU)	99.98%	mbar/M ³ /hr	psid/100gpm	mbar/M ³ /hr	psid/100gpm	mbar/M ³ /hr	psid/100gpm	mbar/M ³ /hr	psid/100gpm
0100	1	4.54	1.496	2.25	0.740	1.51	0.496	1.120	0.370
0200	2	3.31	1.091	1.64	0.540	1.10	0.362	0.082	0.270
0450	4.5	1.48	0.489	0.73	0.242	0.49	0.162	0.037	0.121
0600	6	1.20	0.395	0.59	0.196	0.40	0.131	0.030	0.098
1000	10	1.04	0.344	0.52	0.170	0.35	0.114	0.026	0.085
2000	20	0.74	0.243	0.36	0.120	0.24	0.080	0.018	0.060
2900	29	0.30	0.100	0.15	0.050	0.10	0.033	0.008	0.250
4000	40	0.55	0.182	0.27	0.090	0.18	0.060	0.014	0.045
7000	70	0.12	0.040	0.06	0.020	0.04	0.013	0.003	0.010
9000	90	0.08	0.027	0.04	0.013	0.03	0.009	0.002	0.007

Operating Conditions

- ⊙ Max. operating differential pressure: 3.5kg/ cm² (50 psi) at 25°C
- ⊙ Max. operating temperature: 80°C/176°F
- <PP: 3.4 bar at 82°C>
- <Glass Fiber : 3.4 bar at 121°C>

Specifications

Micron Rating	1 , 2, 4.5, 6, 10, 20,29, 40, 70,90 and 100 micron
Material	100% polypropylene filter media, support and ending caps/Glass Fiber/Polyester
OD	152.4 mm (6")
ID	80 mm (3.2")
Length	508mm (20"), 1016mm (40"), 1524mm (60")
Gasket	EPDM (Standard) · Silicone · Viton · Telfon encapsulated Viton

Product Code

HFU

V

Material

- V : Polypropylene Vertical Pleated
- H : Polypropylene Horizontal Pleated
- T : Glass Fiber
- P : Polyester

0100

Micron Rate

- 0100 : 1 micron
- 0200 : 2 micron
- 0450 : 4.5 micron
- 0600 : 6 micron
- 1000 : 10 micron
- 2000 : 20 micron
- 2900 : 29 micron
- 4000 : 40 micron
- 7000 : 70 micron
- 9000 : 90 micron
- 10000 : 100 micron
- *Other Micron

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Length

- 2 : 20"
- 4 : 40"
- 6 : 60"
- S: customized length (mm)

E

Gasket

- E : EPDM
- V : Viton
- T : PFA encapsulated Viton
- S : Silicone