

HIGH FLOW RATE CARTRIDGE - HFC

SPECIFICATIONS

- Absolute filtration from 1 to 100 µm β1000
- Available in 20, 40 and 60"
- Outer Diameter 6" (152.4 mm)
- High flow rates
- Compliance with directives for contact with food EC and FDA CFR21
- Flow direction: IN-OUT

APPLICATIONS

- General fluid filtration
- Pharmaceutical
- Chemical
- Pure water systems

Max. operating conditions

- Temperature: 80°C
- Pressure drop for replacement: 1.5 bar @ 20°C
- Permissible differential pressure: 1.4 bar @ 80°C
2.1 bar @ 71°C
3.4 bar @ 25°C

Filtering surface area

Cartridge 20": 2.4 m²
Cartridge 40": 6.0 m²
Cartridge 60": 9.0 m²

Pressure drop (mbar/m ³ /h) *			
µm	20"	40"	60"
1	6.08	2.94	1.98
3	5.07	2.45	1.65
5	2.32	1.12	0.75
10	1.39	0.67	0.45
20	0.64	0.31	0.21
40	0.52	0.25	0.17
60	0.44	0.22	0.15
100	0.30	0.15	0.10

* Reference liquid: water

Building materials

- Filter media: Polypropylene
- Support media: Polypropylene
- End: Polypropylene
- Outer protection: Polypropylene
- OR/gaskets: Silicone, Epdm, Nbr, Viton



Filtration Efficiency			
µm	β1000 99.90%	β100 99%	β10 90%
1	1	0.6	0.2
3	3	2	1.5
5	5	4	3
10	10	8.5	6.5
20	22	19	14
40	38	18	15
60	60	35	20
100	100	75	45

COMPOSITION CODE	HFC	1	2	2
	Model	Micron	Length	Gaskets
		1	2 = 20" (50.8 cm)	1 = Silicone
		3	4 = 40" (101.6 cm)	2 = Epdm
		5	6 = 60" (152.4 cm)	3 = Nbr
		10		4 = Viton
		20		
		40		
		60		
		100		