

# VF Series High Flow HF7

Maximum Performance Filters and Capacity

## SERIES VFHF High Flow

Venefilter, has incorporated this line high flow filter elements and load capacity for innovation in the construction and assembly of accordion style filter media which increases the radial pleat along the element. This design greatly increases the filter area and with minimal pressure drops, placing this leading product in the processes filtration market. The capacity to handle high flow rates achieves reducing the amount of elements in a filter or housing, facilitating maintenance and reducing costs.

### Features

- Large load capacity for a long service life and low cost filtration.
- Less number of cartridge changes.
- High quality filtration.
- Easy installation.
- Broad chemical compatibility for various applications.
- Double "O" Ring that reduces the risk of leakage or bypass the filter.

### Operating Conditions

Maximum Operating Temperature	160 °F ( 70°C)
Recommended flow rate (in water)	40 gpm
<b>Maximum Flow (in water)</b>	
HF7-*-1 y HF7-*-2	60 gpm
HF7-*-5 up HF7-*-70	80 gpm
<b>Maximum Differential Pressure</b>	
HF7-*-1	35 Psid (2,4 bar)
HF7-*-2 up HF7-*-70	50 Psid (3,4 bar)

### Design specifications

Outside diameter	6,5"
Length	39"



### Applications

- Acids and bases.
- Amines.
- Carbon beds.
- Deep Wells.
- Desalination.
- Resins.
- Glycol.
- Water of Laundry.
- Organic solvents.
- Reverse osmosis.
- Stormwater.
- Sewage.
- Refrigerating machines.
- Reconditioning fluids.
- Fluids for Metalworking applications.

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### Particle removal efficiency (microns)

Model	HF7-*1	HF7-*2	HF7-*5	HF7-*10	HF7-*15	HF7-*25	HF7-*40	HF7-*70
Efficiency to 99%	1	2	5	10	15	25	40	70
Efficiency to 95%	0,9	1,1	2,5	8	9	13	24	43
Efficiency to 90%	0,8	0,9	1,7	6	8	10	19	35
Efficiency to 70%	< 0,7	0,7	1,5	3,5	6	8	13	24
Efficiency to 50%	< 0,7	< 0,7	1,1	1,5	4,0	4,5	8	14

### Pressure Drop vs. Flow (Psid)

Model	HF7-*1	HF7-*2	HF7-*5	HF7-*10	HF7-*15	HF7-*25	HF7-*40	HF7-*70
DP a 20 gpm	0,6	0,4	0,2	0,1	0,1	0,1	0,08	0,06
DP a 40 gpm	1,1	0,8	0,4	0,3	0,2	0,2	0,16	0,13
DP a 60 gpm	2,2	1,1	0,5	0,4	0,3	0,3	0,25	0,20
DP a 80 gpm	2,9	1,5	0,7	0,6	0,4	0,4	0,33	0,27

### Part Number

VFHF7	PP	5	B
Series	Media	Microns	Gasket
VFHF7	Polypropylene	1	Blank: None
		2	B: Buna-N
		5	E: EPR
		10	V: Viton
		15	S: Silicone
		25	PG: Flat polyethylene gasket
		40	
		70	

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