



## HFV Series

- Multi-purpose industrial ASME "U" & "UM" code housings.
- Accepts multiple 40" & 60" cartridges.
- 150psig (10.3bar) @ 250°F(121.1°C) design pressure.
- Vessels available in carbon or stainless steel 304 or 316.
- Also available in LDX2101, C276, AL6XN, RA2205 & Monel 400.
- Swing bolt closure allows for quick element change out.
- Vessels will accept industry standard elements from 3M.
- For drawings, flow charts, custom applications and filter cartridge information please visit [www.fil-trek.com](http://www.fil-trek.com)

## HFV SERIES

vertical cartridge filter  
housing  
ASME design



Water



Desalination



Chemicals



Electronics



Food & Beverage



Inks/Paints/  
Coatings



Power



Coolants



Pulp & Paper

### Fil-Trek Corporation

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# HFV SERIES

vertical cartridge filter housing  
ASME design

## Mechanical Specifications

Model	No. Of Filters	Flow Rate (gpm)	Max Inlet/Outlet size (in)	Model	No. Of Filters	Flow Rate (gpm)	Max Inlet/Outlet size (in)
HFV14	2	350	4	HFV34	16	2800	14
HFV16	3	525	6	HFV36	19	3325	16
HFV18	4	700	6	HFV38	19	3325	16
HFV20	6	1050	8	HFV40	23	4025	16
HFV24	7	1225	10	HFV42	25	4375	18
HFV26	8	1400	12	HFV44	29	5075	18
HFV28	11	1925	12	HFV46	31	5425	20
HFV30	12	2100	12	HFV48	35	6125	22
HFV32	14	2450	14	HFV50	37	6475	22

For maximum efficiency/product life, the flow rates are based on water at 175gpm/40". Actual Flow rate is dependent on fluid viscosity, cartridge micron rating, contaminant and type of media.

### Housing Specifications:

#### Inlet/Outlet:

3"Flange -22"Flange

#### Dirty Drain:

2"NPT

#### Clean Drain:

2"NPT

#### Vent:

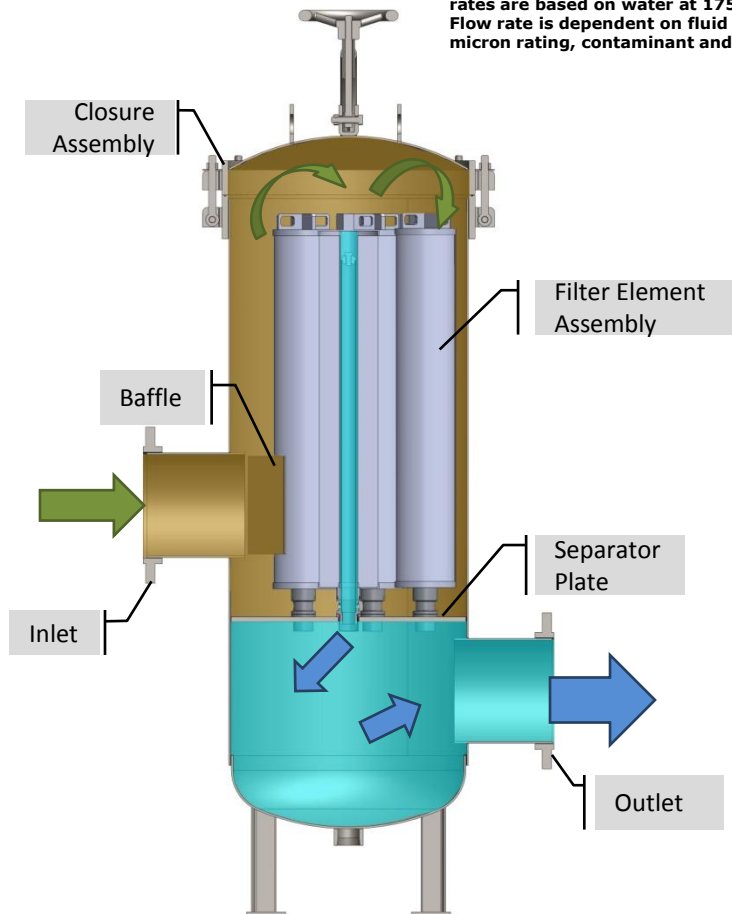
1/2"NPT

#### Gauges:

1/2" NPT

### Certifications:

-U  
-UM  
-CE  
-NB  
-CRN



Material of Construction	Max Operating Pressure (PSI @ 250°F)	Max Design Temperature
Carbon Steel	150 psi (10.3bar)	500°F (260°C)
Carbon Steel	300psi (20.7bar)	500°F (260°C)
304 Stainless Steel	150 psi (10.3bar)	300°F (150°C)
304 Stainless Steel	300psi (20.7bar)	300°F (150°C)
316 Stainless Steel	150 psi (10.3bar)	400°F (204°C)
316 Stainless Steel	300psi (20.7bar)	400°F (204°C)

\*For more options contact factory.

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# Ordering Information

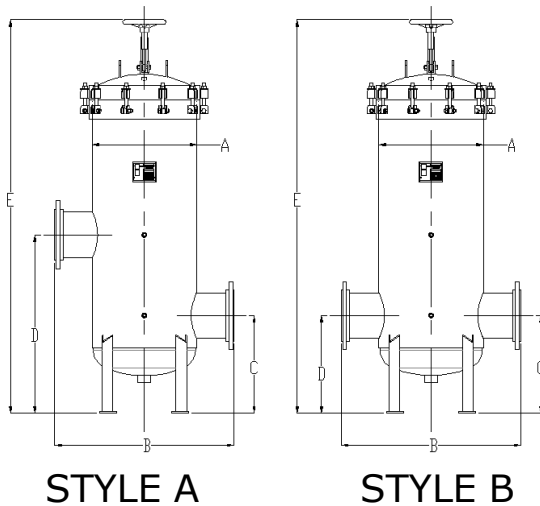
Model	Flow Rate gpm	Shipping Weight (lbs)	A (ID)	B Face to Face	C Floor to Outlet	D Floor to Inlet	E Overall Length	Max Inlet/Outlet size (in)
HFV14	350	400	14 1/8"	23"	16"	46"	72"	4
HFV16	525	600	16 1/8"	27"	16"	46"	72"	6
HFV18	700	800	18 1/8"	30"	19"	48"	75"	6
HFV20	1050	1000	20 1/8"	32"	20"	48"	75"	8
HFV22	1225	1200	22 1/8"	33"	20"	48"	77"	10
HFV24	1400	1400	24 1/8"	35"	22"	48"	77"	10
HFV26	1400	1600	26 1/8"	36"	22"	48"	77"	12
HFV28	1925	1800	28 1/8"	40"	22"	52"	80"	12
HFV30	2100	2000	30 1/8"	43"	24"	52"	80"	12
HFV32	2450	2400	32 1/8"	46"	24"	54"	82"	14
HFV34	2800	2800	34 1/8"	46"	24"	56"	82"	14
HFV36	3325	3000	36 1/8"	48"	28"	56"	82"	16
HFV38	3325	3400	38 1/8"	50"	30"	56"	82"	16
HFV40	4025	3800	40 1/8"	54"	35"	58"	84"	16
HFV42	4375	4200	42 1/8"	58"	35"	58"	84"	18
HFV44	5075	4600	44 1/8"	58"	35"	58"	86"	18
HFV46	5425	5200	46 1/8"	58"	35"	60"	86"	20
HFV48	6125	5600	48 1/8"	58"	35"	62"	88"	22
HFV50	6475	6000	50 1/8"	64"	36"	62"	88"	22

\*Above dimensions are for 40" Element, Style A. For other options contact factory.

\*\*For 60in element dimensions, refer to the chart below.

\*\*\*Given dimensions are approximate only, for true dimensions contact factory.

Element	E - Overall Height
60" Element	E60 = [40" overall height] + 20"



STYLE A

STYLE B

## Fil-Trek Product Nomenclature

S6 HF V 24 7 40 10F

**Material:**  
SS316 (S6), SS304 (S4)  
Carbon Steel (Blank)

**Model:**  
Cartridge Filter Housing (HF)

**Orientation:**  
Vertical (V)

**Diameter of Housing:**  
See chart for details.

**Number of Cartridges:**  
See Chart for details

**Length of Cartridge:**  
40", 60"

**Size of Inlet/Outlet:**  
Flange(F)

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vertical cartridge filter  
housing  
ASME design

## Closure Assembly Options:

- K1 – Standard Mechanical Davit
- K2 – Hinge
- K3 – Hydraulic Jack Davit Side
- K4 – Hydraulic Jack Davit Top

## Nozzle Configuration:

- A: Side in/Side out
- B: In-Line
- C: Side in/Bottom out
- D: Side in/Side out, Same Side

## Gasket Options:

- BN – Buna N
- ED – EPDM
- SI – Silicone
- VI – Viton
- TF – Teflon

## Accessories:

- DP Gauges
- Safety Relief Valves
- Vent Valves
- Drain Valves
- Air Eliminator

## Other Options:

- Stainless Steel bolting
- Passivation
- Electropolished, Inside/Out
- Skid Mounting
- Duplexing

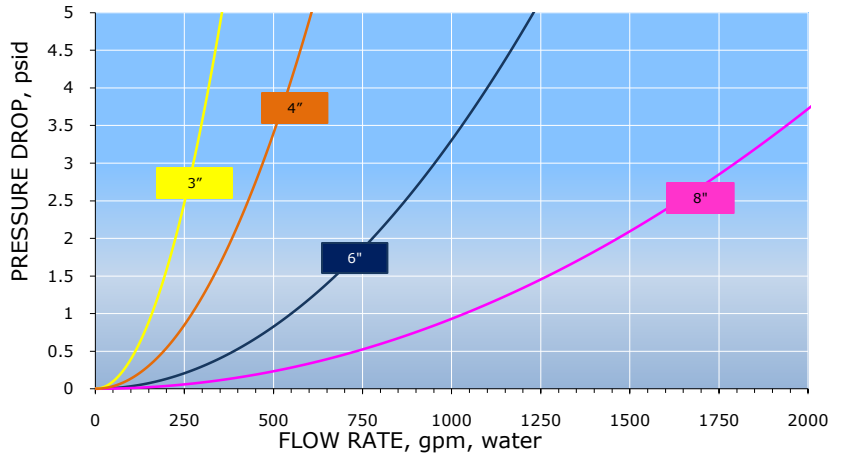
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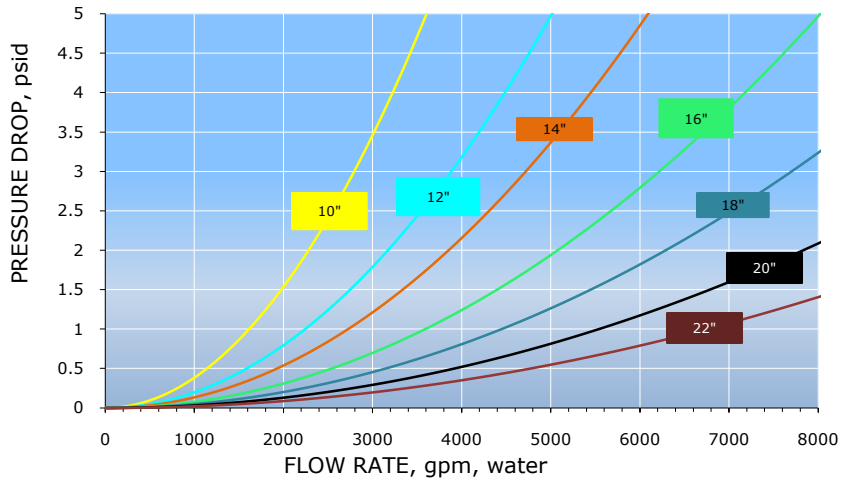
vertical cartridge filter housing  
housing  
ASME design

## Flow Chart

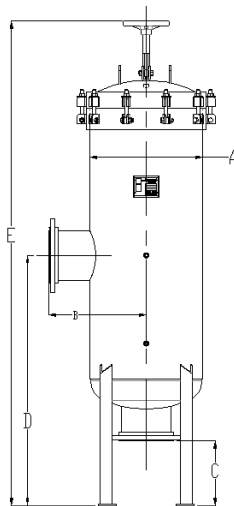
HOUSING PRESSURE DROP  
vs LIQUID FLOW RATE



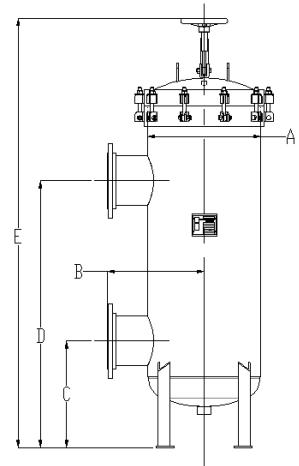
HOUSING PRESSURE DROP  
vs LIQUID FLOW RATE



## Available Options



STYLE C



STYLE D

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