FIL-TREK CORPORATION
55 Stafford Court
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P (519) 623-7448
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HFH SERIES

Horizontal High Flow Filter Housings

- Horizontal Orientation
- High Flow Filter Housing
- ASME Design / Industrial Design

Multi-purpose industrial ASME code ("U" & "UM") and non-code design housings.

SUITABLE USES

Air & Gas · Desalination · Coolant · Water · Electronics · Coatings
Oil & Gas · Chemical · Pulp & Paper · Power · Marine · Equipment

Certified to NSF/ANSI 61

COMPATIBLE MEDIA	Accepts multiple 40", and 60" High Flow series filters.
DESIGN PRESSURE	150psig (10.3bar) @ 400 F (204.4 C) design pressure.
AVAILABLE MATERIALS	Vessels available in carbon or stainless steel 304 or 316. Also available in LDX2101, C276, AL6XN, RA2205 and Monel 400. **All materials are in compliance with NSF 61 standards, except for carbon steel.*
ADDITIONAL FEATURES	Swing bolt closure allows for quick element change out. Equivalent to Cuno High Flow systems.

Custom sizes, configurations, materials of construction and other options may be available. Please contact Fil-Trek

For drawings, flow charts, custom applications and filter cartridge information please visit Fil-Trek.com

HFH SERIES

High Flow Cartridge Filter Housings

- Horizontal
- High Flow Filter Housing
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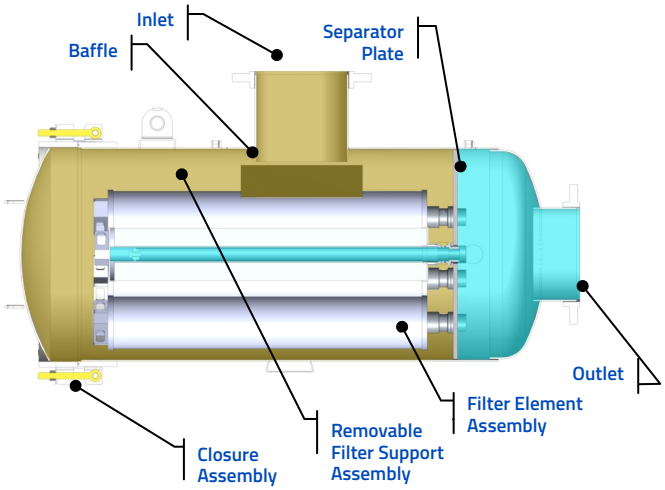
HOUSING SPECIFICATIONS

*Indicates standard configuration

Inlet/Outlet	**3"Flange -24"Flange**
Dirty Drain	**2"NPT**
Clean Drain	**2"NPT**
Vent	**½v"NPT**
Gauges	**½" NPT**
Certifications	U, UM, CE, NB, CRN



COMPATIBLE FILTERS

HF SERIES FILTERS

Absolute rated, pleated media filters that suit a wide range of applications. Available in micron ratings between 1 and 70.

Click to view HF Series

MODEL FLOW RATES

MODEL	# OF FILTERS	FLOW RATE GPM	MAX INLET / OUTLET(IN)
HFH08	1	175	4
HFH14	2	350	4
HFH16	3	525	6
HFH18	4	700	6
HFH20	6	1050	8
HFH24	7	1225	10
HFH26	8	1400	12
HFH28	11	1925	12
HFH30	12	2100	12
HFH32	14	2450	14
HFH34	16	2800	14
HFH36	19	3325	16
HFH38	20	3500	16
HFH40	23	4025	16
HFH42	25	4375	18
HFH44	29	5075	18
HFH46	31	5425	20
HFH48	35	6125	22
HFH50	37	6475	24

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.

MATERIAL OF CONSTRUCTION

MATERIAL OF CONSTRUCTION	MAX. OPERATING PRESSURE	MAX. DESIGN TEMP
Carbon Steel	150 psi (10.3bar)	400 F (204.4 C)
304 Stainless Steel	150 psi (10.3bar)	400 F (204.4 C)
316 Stainless Steel	150 psi (10.3bar)	400 F (204.4 C)

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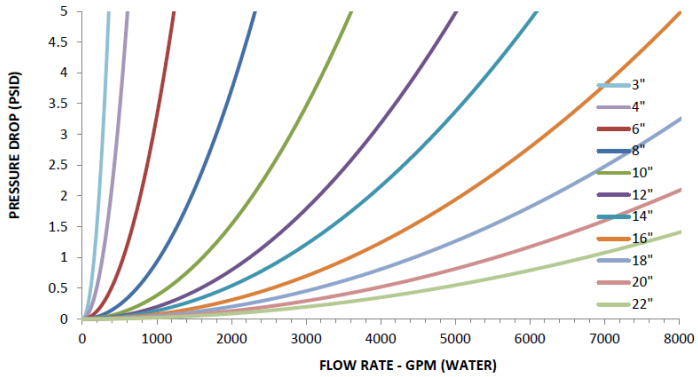
HOUSING OPTIONS

*Indicates standard configuration

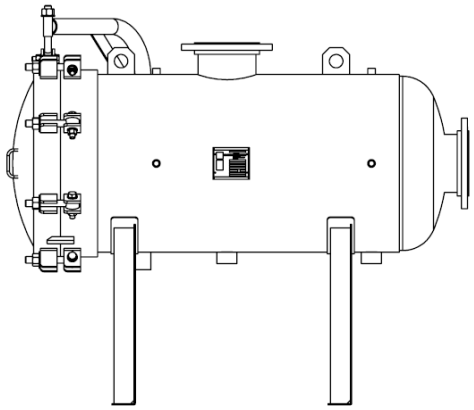
Configuration Options	**(-) E – Top In/End Out*** C – Side In/End Out
Finish Options	**(-) – External paint "National Blue" (Standard for carbon steel housings)** **(-) – Bead Blast (standard for stainless steel 304 and 316)** EP1 – Electro polish Inside/Outside EP2 – Inside only EP3 – Outside only PP – Passivation
O-Ring Options	**(-) – Buna-N*** ED – EPDM VI – Viton SI – Silicone TF - Teflon
Closure Assembly Options	**(-) Mechanical Davit (std for HFH12 and larger)*** **(-) Hydraulic Davit (std for HFH40 and larger)*** K3 – Hydraulic Jack Davit Side K4 – Hydraulic Jack Davit Top **See page 5-6 for other closure options*
Accessories	Direct Reading Gauge DP Gauge Safety Relief Valves Vent Valves Drain Valves Air Eliminator
Other Options	Stainless Steel bolting Passivation Electropolished, Inside/Out Skid Mounting Duplexing

FLOW CHART



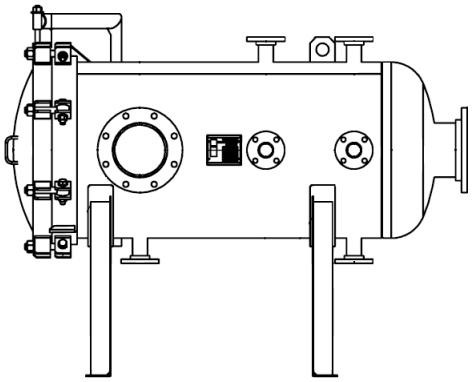
E Top In/End Out*

Side View



C Side In/End Out

Side View



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MODEL DIMENSIONAL DETAILS

MODEL	SHIPPING WEIGHT (LBS)	A	B	C	D	E	F
HFH08	230	8⅝"	42"	36"	50"	62"	42"
HFH14	400	14½"	50"	36"	28"	66"	54"
HFH16	600	16½"	50"	36"	28"	66"	54"
HFH18	800	18½"	50"	36"	30"	68"	54"
HFH20	1000	20½"	52"	36"	30"	68"	56"
HFH24	1400	24½"	56"	36"	34"	72"	60"
HFH26	1600	26½"	56"	36"	34"	74"	60"
HFH28	1800	28½"	58"	36"	34"	74"	62"
HFH30	2000	30½"	58"	36"	34"	74"	62"
HFH32	2400	32½"	60"	36"	36"	76"	64"
HFH34	2800	34⅝"	60"	36"	36"	76"	64"
HFH36	3000	36⅝"	64"	36"	42"	78"	68"
HFH38	3400	38⅝"	64"	36"	42"	80"	68"
HFH40	3800	40⅝"	64"	36"	42"	80"	68"
HFH42	4200	42⅝"	68"	36"	44"	84"	72"
HFH44	4600	44⅝"	68"	36"	44"	84"	72"
HFH46	5200	46¾"	70"	36"	50"	95"	74"
HFH48	5600	48¾"	72"	36"	50"	95"	76"
HFH50	6000	50¾"	78"	42"	50"	102"	82"

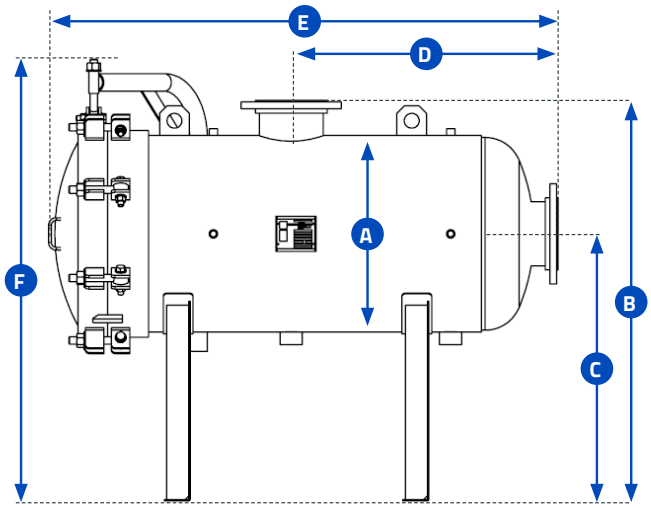
**Above dimensions are for 40" Element, Style E. For other options contact factory.*
****Given dimensions are approximate only, for true dimensions contact factory.*

CHART LEGEND

- **A** OUTSIDE DIAMETER
- **B** FLOOR TO INLET
- **C** FLOOR TO OUTLET
- **D** FACE TO FACE
- **E** OVERALL LENGTH
- **F** OVERALL HEIGHT

E Top In/End Out*

Side View



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PRESSURE & TEMPERATURE DESIGNATION

DESIGNATION	MOC	PSI	TEMP (°F)	ANSI RATING
PT1	CS	285	100	ANSI 150
	SS304/SS316	270		
PT2	CS	200	400	ANSI 150
	SS304/SS316	190		
PT3	CS	740	100	ANSI 300
	SS304/SS316	720		
PT4	CS	635	400	ANSI 300
	SS304/SS316	495		
PT5	CS	1480	100	ANSI 600
	SS304/SS316	1440		

Table above based on ANSI flange ratings. Fil-Trek will design based on application pressure and temperature requirements. Max temperature may be limited to gasket material.

PRODUCT NOMENCLATURE

S6	HFH	16	003	40	6F	PT1	-
MATERIAL	MODEL	HOUSING DIAMTER	# OF CARTRIDGES	LENGTH	CONNECTION TYPE	DESIGN PRESSURE	OPTIONS
(-) – Carbon **S4** – SS304 **S6** – SS316	**HFH** – ASME Code **EHFH** – Non ASME	See Table	See Table	40 60	See Table	See Pressure & Temperature Designation chart	See "Housing Options"

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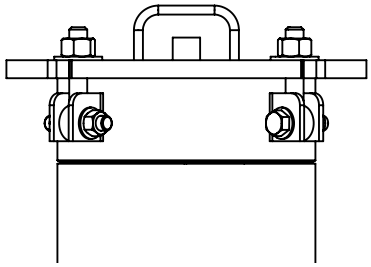
CLOSURE AND QUICK OPENING COVER OPTIONS

Fil-Trek designs and fabricates a variety of closure and quick opening cover options to accomodate strict applications and requirements. All materials of construction are in accordance with ASME specifications and manufacturing complies with the applicable rules of the ASME Code for Pressure Piping and with the ASME Boiler and Pressure Vessel Code.

HINGED COVER

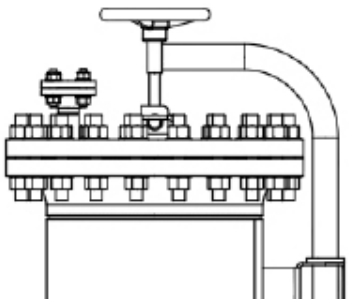


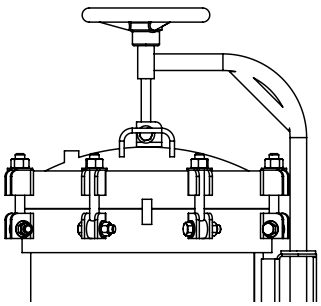
The most economical quick opening closure offered for fabricated strainers with nominal pressure applications. The swing bolt hinged cover uses an O-ring to seal. Easy to open by quickly and easily by loosening the swing bolts until they clear the holding lugs and swinging the head open on its hinge.

MECHANICAL DAVIT ASSEMBLY

Our mechanical davit assembly makes it easy for the operator to open and swing the cover away to facilitate basket or screen removal for cleaning. It is used primarily for larger strainers where cover removal is difficult and heavy. This is the most inexpensive alternative to quick release covers, especially when operating conditions require a bolted cover. Available for swing bolt and ANSI closures.

**Hydraulic davit head lift also available.





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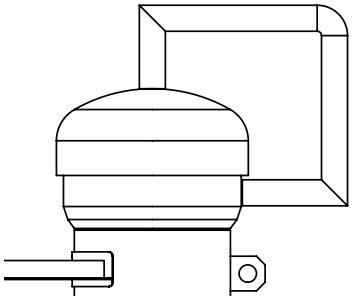
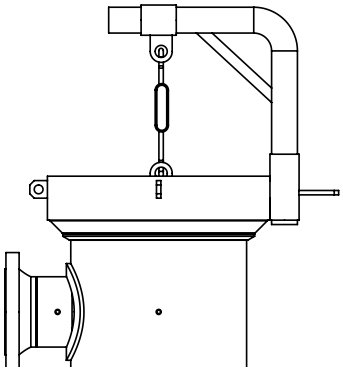
THREADED HINGED COVER



The quick open threaded hinged closure uses a cap fastened to a hub and is welded to the strainer body. The female cap is threaded onto the male hub using O-rings to seal. The O-ring prevents corrosion of the closure threads and provides a long, trouble free service. The threaded cover can be used for both nominal and high pressure applications. Available in both vertical and horizontal configurations.

YOKE CLOSURE

The Yoke hinged cover is a true ANSI rated closure and uses an O-ring seal. Used primarily on high pressure applications, it is available for 150#, 300#, 600#, 900# and 1500# ANSI ratings with a wide range of operating aids, ranging from a single lever chain and sprocket drive to completely automated.



CLOSURE COMPARISON

	COVER TYPE			
	HINGED COVER	MECHANICAL DAVIT	THREADED COVER	YOKE CLOSURE
COST	Low	Moderate	High	High
QUICK OPENING ABILITY	Good	Fair	Best	Best
LOW PRESSURE APPLICATIONS	X	X	-	-
NOMINAL PRESSURE APPLICATIONS	X	X	X	X
HIGH PRESSURE APPLICATIONS	-	X	X	X

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