



# UF SERIES

## Ultra Flow Cartridge Filter Housings

- Flow rates up to 3675 GPM
- ASME Design/Industrial Design
- SS304 and SS316 are NSF/ANSI 61 certified

Ideal for a broad range of applications and industries, the UF Series housings provide maximum flow rates in a smaller footprint.



### SUITABLE USES



Air & Gas



Desalination



Coolant



Water



Electronics



Coatings



Oil & Gas



Chemical



Pulp & Paper



Power



Marine



Equipment

**COMPATIBLE MEDIA** Fil-Trek Ultra Flow Series

**DESIGN PRESSURE** 150 PSIG (10.3bar) @ 400°F (204.4°C)

**AVAILABLE MATERIALS** Carbon steel, stainless steel 304 or 316, DX2101, C276, AL6XN, 2205, 2507 and Monel 400.  
*\*NSF/ANSI 61 certification available for SS304 and SS316 (S4UF and S6UF).*

**ADDITIONAL FEATURES** Proprietary tool-less removable baskets offer easy element change-out .  
Vessels will accept industry standard elements from:  
▪ ChemFlo ▪ Pall ▪ Graver ▪ FTC ▪ Parker



*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*

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## HOUSING SPECIFICATIONS

\*Indicates standard configuration

<b>Inlet/Outlet</b>	3" Flange
<b>Dirty Drain</b>	2" NPT
<b>Clean Drain</b>	2" NPT
<b>Vent</b>	½" NPT
<b>Gauges</b>	½" NPT
<b>Certifications</b>	U, UM, CE, NB, CRN

## MATERIAL OF CONSTRUCTION

MATERIAL OF CONSTRUCTION	MAX. OPERATING PRESSURE	MAX. DESIGN TEMP
Carbon Steel	150 PSI (10.3bar)	400°F (204°C)
SS304	150 PSI (10.3bar)	400°F (204°C)
SS304	150 PSI (10.3bar)	400°F (204°C)

\*NSF/ANSI 61 certification available for SS304 and SS316 (S4UF and S6UF).

## MODEL FLOW RATES

MODEL	# OF FILTERS	FLOW RATE GPM 40"	MAX INLET/OUTLET (IN)
UF16	3	525	6"
UF18	4	700	6"
UF22	6	1050	8"
UF24	7	1225	8"
UF26	8	1400	8"
UF28	9	1575	10"
UF30	12	2100	10"
UF34	14	2450	12"
UF36	16	2800	12"
UF38	18	3150	12"
UF40	19	3325	14"
UF42	21	3675	14"

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

## COMPATIBLE FILTERS

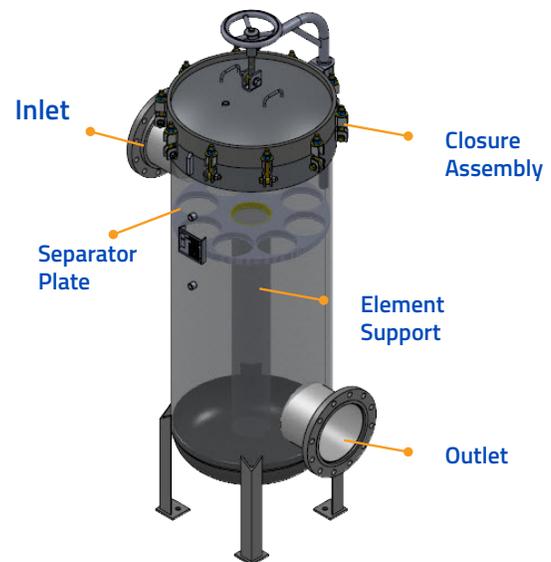
### UF SERIES FILTERS

Absolute rated, pleated media filters that suit a wide range of applications. Available in micron ratings between 1 and 100.

[Click to view UF Series](#)



Available with materials that are in compliance with NSF/ANSI Standard 61



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## HOUSING OPTIONS

\*Indicates standard configuration

<b>Configuration</b>	<b>(-) A – Side in/side out*</b>
<b>Options</b> <i>(at bottom)</i>	C – Side in/Bottom out D – Side in/Side out, Same Side
<b>Finish</b>	<b>(-) - External paint "National Blue" (std for CS)</b>
<b>Options</b>	<b>(-) – Bead Blast (std for SS304 and SS316)</b> EP1 – Electro polish Inside/Outside EP2 – Inside only EP3 – Outside only PP – Passivation
<b>O-Ring</b>	<b>(-) BN – Buna-N*</b>
<b>Options</b>	ED – EPDM VI – Viton SI – Silicone TF – Teflon
<b>Closure Assembly</b>	<b>(-) Mechanical Davit (std for UFV12 and larger)*</b>
<b>Options</b>	<b>(-) Hydraulic Davit (std for UFV40 and larger)*</b> K3 – Hydraulic Jack Davit Side K4 – Hydraulic Jack Davit Top <i>*See page 5-6 for other closure options</i>
<b>Accessories</b>	Direct Reading Gauge DP Gauge Safety Relief Valves Vent Valves Drain Valves Air Eliminator
<b>Other Options</b>	Stainless Steel bolting Passivation Electropolished, Inside/Out Skid Mounting Duplexing

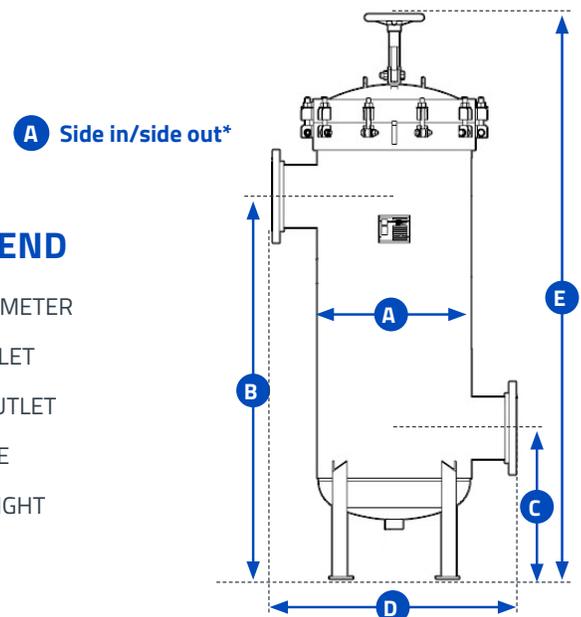
## MODEL DIMENSIONAL DETAILS

MODEL	SHIPPING					
	WEIGHT (LBS)	A	B	C	D	E
UF16	330	16½"	61"	22"	28"	86"
UF18	444	18½"	64"	22"	32"	91"
UF22	540	22½"	66"	24"	40"	97"
UF26	710	26½"	66"	28"	42"	98"
UF28	930	28½"	66"	36"	42"	98"
UF30	1100	30½"	69"	28"	42"	102"
UF32	1275	32½"	71"	32"	46"	105"
UF34	1300	34½"	71"	32"	52"	107"
UF36	1350	36½"	73"	32"	56"	112"
UF38	1500	38½"	73"	33"	56"	120"
UF40	2050	40½"	76"	36"	60"	107"
UF42	2150	42½"	76"	36"	60"	107"

Dimensions above are for 40" element, style A and are approximate. Contact factory for weights and dimensions for all other model configurations.

## CHART LEGEND

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



# UF SERIES

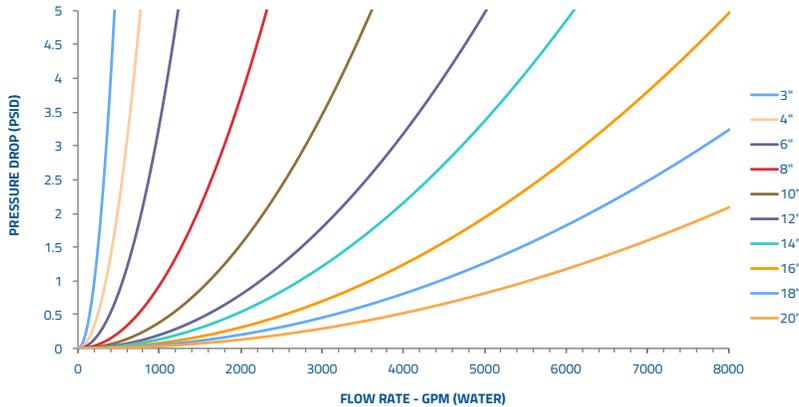
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## FLOW CHART

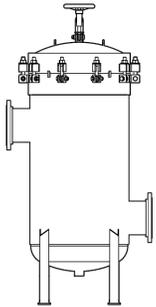
HOUSING PRESSURE DROP vs LIQUID FLOW RATE



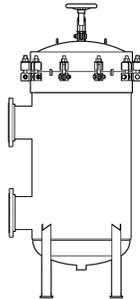
## ADDITIONAL MODEL CONFIGURATIONS

Alternative configurations may be available upon request. Please contact factory.

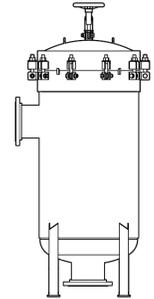
**A** Side in/side out\*



**D** Side in/Side out, Same Side



**C** Side in/Bottom out



## PRODUCT NOMENCLATURE

<b>S4</b>	<b>UF</b>	<b>16</b>	<b>3</b>	<b>40</b>	<b>4F</b>	<b>150</b>	<b>-</b>
<b>MATERIAL</b>	<b>MODEL</b>	<b>HOUSING DIAMETER</b>	<b># OF FILTERS</b>	<b>LENGTH</b>	<b>CONNECTION TYPE</b>	<b>DESIGN PRESSURE</b>	<b>OPTIONS</b>
(-) - Carbon S4 - SS304 S6 - SS316	UF - Ultra Flow Series	See Table	See Table	20 40 60	See Table	150 300	See Housing Options

\*UF series is an ASME code stamped housing. This vessel is also available in an industrial non-code design. For non-code, add the prefix "E" to the UF in the part number.

\*\*NSF/ANSI 61 certification available for SS304 and SS316 (S4UF/S6UF).



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For more information, e-mail: [info@fil-trek.com](mailto:info@fil-trek.com) or visit [Fil-Trek.com](http://Fil-Trek.com)

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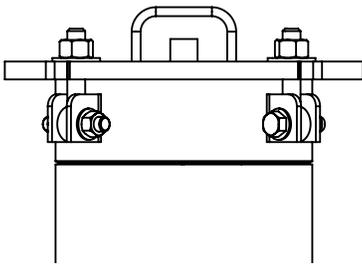
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## CLOSURE AND QUICK OPENING COVER OPTIONS

Fil-Trek designs and fabricates a variety of closure and quick opening cover options to accommodate 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

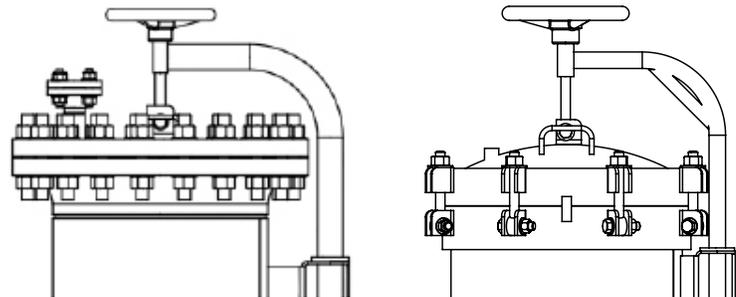


The most economical quick opening closure offered for fabricated strainers with nominal pressure applications. The swing bolt hinged cover uses an O-ring to seal. Easy to open by quickly and easily by loosening the swing bolts until they clear the holding lugs and swinging the head open on its hinge.

### 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.



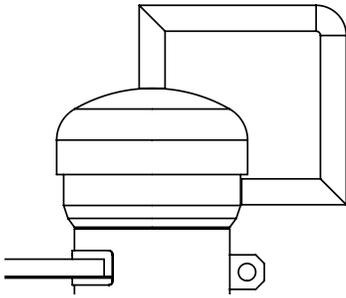
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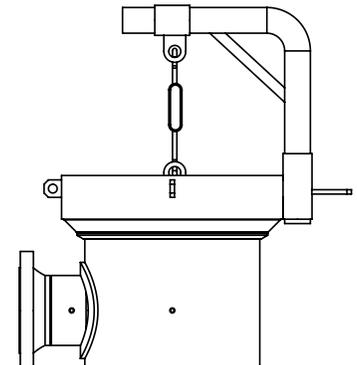
### THREADED HINGED COVER



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
<b>COST</b>	Low	Moderate	High	High
<b>QUICK OPENING ABILITY</b>	Good	Fair	Best	Best
<b>LOW PRESSURE APPLICATIONS</b>	X	X	-	-
<b>NOMINAL PRESSURE APPLICATIONS</b>	X	X	X	X
<b>HIGH PRESSURE APPLICATIONS</b>	-	X	X	X