

GL SERIES

Cartridge Filter Housing
ASME Design
Universal



Water



Desalination



Chemicals



Electronics



Food & Beverage



Oil/Gas



Air/Gas



Inks/Paints/
Coatings



Power



Coolants



Pulp & Paper

GL SERIES Multi-Round ASME Cartridge Design

- Multi-purpose industrial ASME "U" & "UM" code housings.
- Accepts multiple 10", 20", 30" or 40" 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.
- Housings accept industry standard double open end style cartridges.
- Models can be designed to accept single open end cartridges.
- Swing bolt closure allows for quick element change out.
- For drawings, flow charts, custom applications and filter cartridge

information please visit www.fil-trek.com

FIL-TREK CORPORATION

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Housing Specifications:

Inlet/Outlet

2" Flange - 6" Flange

Dirty Drain

1" NPT

Clean Drain

1" NPT

Vent

1/2" NPT

Gauges

1/2" NPT

Certifications:

-U
-UM
-CE
-NB
-CRN

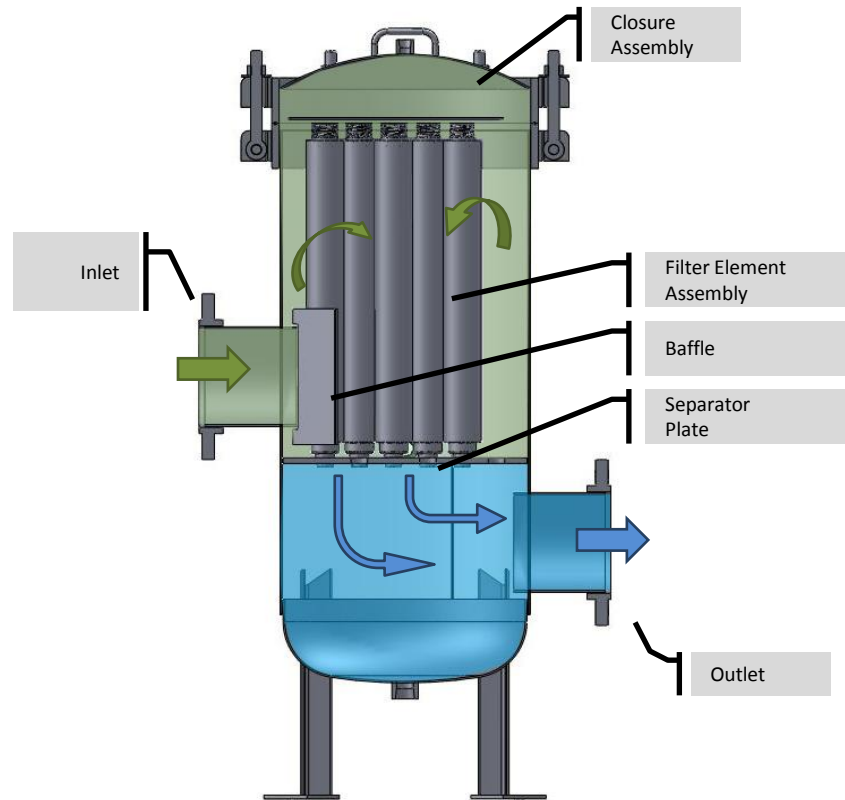
MECHANICAL SPECIFICATIONS

MODEL	# OF FILTERS (2.5"/2.75")	FLOW RATE-GPM (2.5" FILTERS/2.75" FILTERS)	MAX INLET/OUTLET (IN)
*GL04	1 / 1	20 / 20	2"
*GL06	3 / 3	60 / 60	2"
*GL08	5 / 4	100 / 80	3"
*GL09	7 / 6	140 / 120	3"
*GL10	9 / 9	180 / 180	3"
*GL11	11 / 10	220 / 200	4"
**GL12	12 / 11	240 / 220	4"
**GL13	15 / 12	300 / 240	4"
**GL14	19 / 14	380 / 280	4"
**GL16	25 / 20	500 / 400	6"

* Flat Cover Design

** Domed top with hinge cover lift.
Mechanical davit available upon request.

Flow rates based on water at 5gpm/10" (Assuming 40" Cartridges). Actual Flow rate is dependent on fluid viscosity, cartridge micron rating, contaminant and type of media.



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MATERIAL OF CONSTRUCTION	MAX. OPERATING PRESSURE (PSI @250°F)	MAX. DESIGN TEMP
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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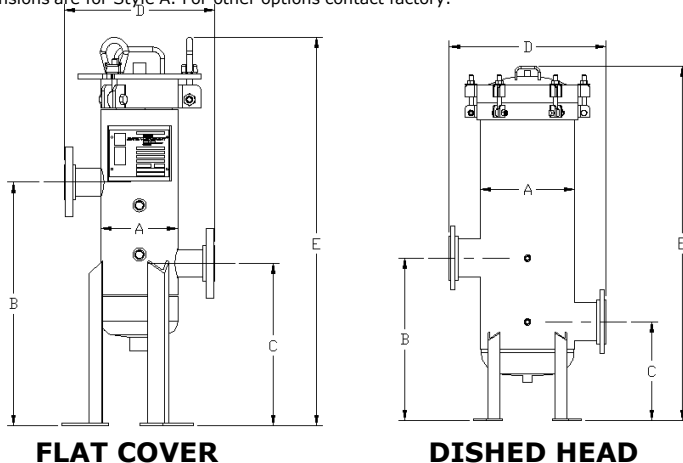
ORDERING INFORMATION

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MODEL	SHIPPING WEIGHT (LBS)	A (OD)	B (FLOOR TO INLET)	C (FLOOR TO OUTLET)	D (FACE TO FACE)	E (O/A HEIGHT)
GL04-001-4-2F	56	4 1/2"	17"	9"	11"	63 13/16"
GL06-003-4-2F	86	6 5/8"	21"	14"	13"	62 5/8"
GL08-005-4-3F	175	8"	21 1/2"	14 1/2"	17"	61"
GL09-007-4-3F	180	9"	21 3/4"	14 3/4"	17"	63 1/2"
GL10-009-4-3F	222	10"	21 3/4"	14 3/4"	17"	63 1/8"
GL11-011-4-3F	300	11 1/8"	24"	15"	19"	65"
GL12-012-4-3F	325	12.5"	26"	16"	21"	79"
GL13-015-4-3F	365	13 1/8"	26"	16"	21"	79"
GL14-019-4-4F	375	14 3/8"	26"	16"	23"	79"
GL16-025-4-6F	400	16 3/8"	28"	17"	27"	81"

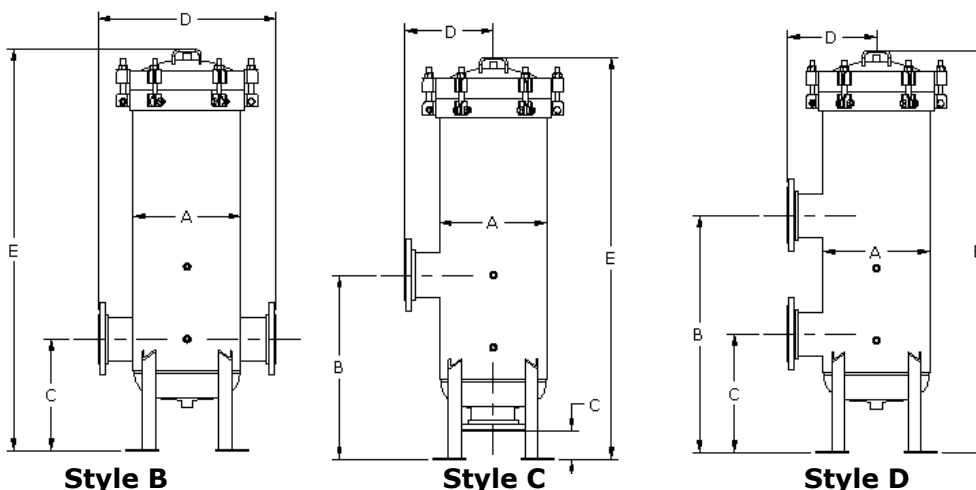
NOTE: Above dimensions are for Style A. For other options contact factory.



FLAT COVER

DISHED HEAD

AVAILABLE OPTIONS



Style B

Style C

Style D

FIL-TREK PRODUCT NOMENCLATURE

MATERIAL	MODEL	DIAMETER OF HOUSING	NUMBER OF CARTRIDGES	LENGTH OF CARTRIDGES	SIZE OF INLET/OUTLET	NOZZLE CONFIGURATION
(BLANK) - CARBON STEEL	GL	SEE TABLE	SEE TABLE	10"	SEE TABLE	A - SIDE IN/SIDE OUT
S4 - STAINLESS STEEL 304				20"	(FLANGE)	B - IN LINE
S6 - STAINLESS STEEL 316				30"		C - SIDE IN/BOTTOM OUT
				40"		D - SIDE IN/SIDE OUT SAME SIDE

Coverlift Assembly Options
K1 – Standard Mechanical Davit
K2 – Hinge
K3 – Hydraulic Jack Davit Side
K4 – Hydraulic Jack Davit Top
K5 - POGO

Nozzle Configuration
A: Side in/Side out
B: In Line
C: Side in/Bottom out
D: Side in/out Same Side

Gasket Options
BN – Buna N
ED – EPDM
SI – Silicone
VI – Viton
TV – Teflon Encapsulated 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

Element Selection
E1: Double Open End
E2: DOE with Gasket Ends
E3: DOE with 1" Ext. Core
E4: SOE Flat End 222 Open End
E5: SOE Fin End 222 Open End
E8: SOE Plastic Spring Top 222
E9: SOE Plastic Spring Top

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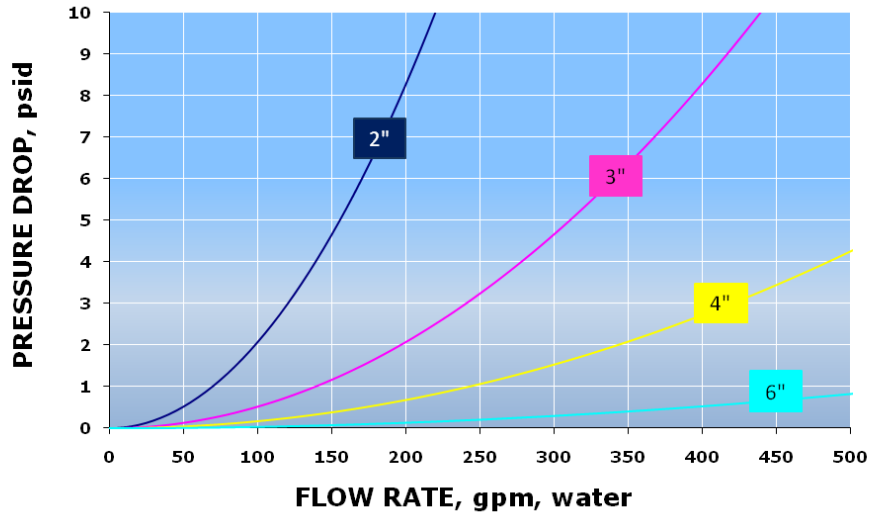
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FLOW CHART

HOUSING PRESSURE DROP vs LIQUID FLOW RATE



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