



# FIL-TREK

## GL SERIES

### Multi-Cartridge Filter Housings

- Cartridge Filter Housing
- ASME Design/Non-Code
- Universal

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

#### MEDIA

Accepts multiple 10", 20", 30" or 40" cartridges  
Accepts industry-standard double open end style cartridges\*

*\*Models can be designed to accept single open end cartridges*

#### DESIGN PRESSURE

150psig (10.3bar) @ 400°F (204.4°C)

#### AVAILABLE FINISHES

Carbon or Stainless Steel 304 or 316  
Also available in LDX2101, C276, AL6XN, 2205, 2507 & Monel 400

#### ADDITIONAL FEATURES

Swing bolt closure allows for quick element change out

Fischer-Robertson, Inc.  
3890 Symmes Road, Hamilton, OH 45015  
ph 513-860-3445 fx 513-860-4744  
www.fischer-robertson.com

# GL SERIES

## Multi-Cartridge Filter Housings

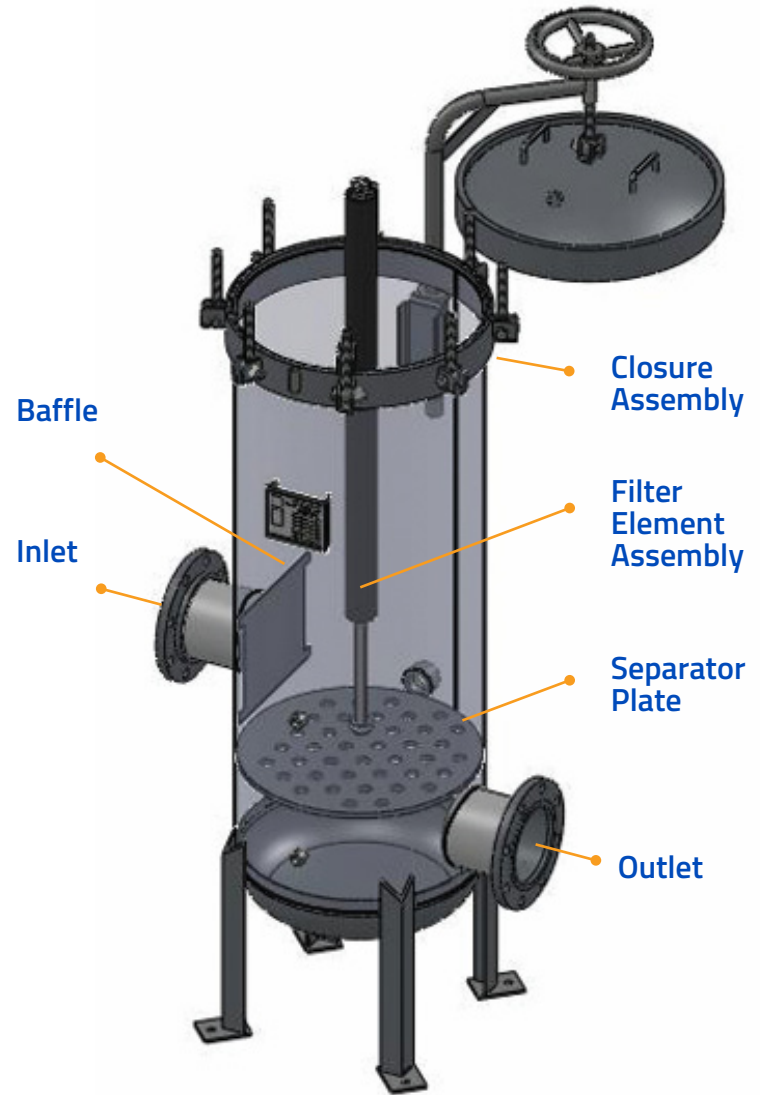
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## HOUSING SPECIFICATIONS

\*Indicates standard configuration

<b>Inlet/Outlet</b>	Flange NPT
<b>Dirty Drain</b>	1" NPT on GL16 and smaller 2" NPT on GL18 and larger
<b>Clean Drain</b>	1" NPT on GL16 and smaller 2" NPT on GL18 and larger
<b>Vent</b>	½" NPT on all sizes*
<b>Gauges</b>	½" NPT on all sizes*
<b>Headlift</b>	Mechanical Davit on GL12 and larger (std) Hydraulic Davit on GL40 and larger (std)
<b>Cover</b>	Flat top cover on GL10 and smaller (std)
<b>Legs</b>	Angle Iron Legs with footpads (std)
<b>Closure</b>	Swing bolt closure (std)
<b>Standard Pressure</b>	150psi
<b>Standard Temperature</b>	400°F (204°C)
<b>Certifications</b>	U, UM, CE, NB, CRN



## MATERIAL OF CONSTRUCTION

MATERIAL OF CONSTRUCTION	MAX. OPERATING PRESSURE (PSI @250°F)	MAX. DESIGN TEMP
Carbon Steel	150 psi (10.3bar)	400°F (204°C)
304 Stainless Steel	150 psi (10.3bar)	400°F (204°C)
316 Stainless Steel	150 psi (10.3bar)	400°F (204°C)



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## HOUSING OPTIONS

\*Indicates standard configuration

**Configuration** (-) **A – Side in/side out\***

**Options**  
(at right)  
B – In-Line  
C – Side in/Bottom out  
D – Side in/Side out, Same Side

**Finish** (-) **External paint “National Blue”** (std for carbon steel housings)\*

**Options**  
**(-) Bead Blast** (std for stainless steel 304 and 316)\*  
EP1 – Electro polish Inside/Outside  
EP2 – Inside only  
EP3 – Outside only  
PP – Passivation

**O-Ring** (-) **BN – Buna-N\***

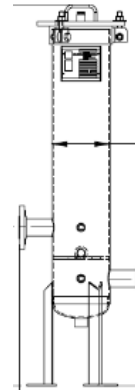
**Options**  
ED – EPDM  
VI – Viton  
SI – Silicone  
TEV – Teflon encapsulated Viton  
TF – Teflon

**Filter** (-) **E1 – Double Open End** (std)\*

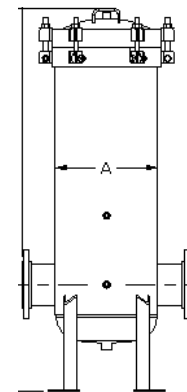
**Configuration**  
E2 – DOE with Gasket Ends  
E3 – DOE with 1” Ext. Core  
E4 – SOE Flat End 222 Open End  
E5 – SOE Fin End 222 Open End  
E8 – SOE Plastic Spring Top 222  
E9 – SOE Plastic Spring Top

**Accessories**  
Direct Reading Gauge  
DP Gauge  
Safety Relief Valves  
Vent Valves  
Drain Valves  
Air Eliminator

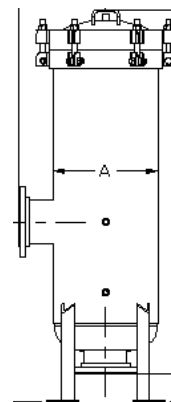
**A** Side in/side out\*



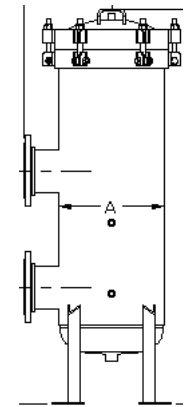
**B** In-Line



**C** Side in/Bottom out



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



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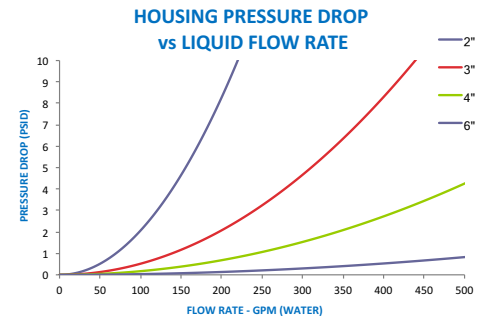
### MODEL FLOW RATES

Model	2.5" OD and Filters		2.75" OD and Filters		Max Inlet/Outlet
	# of Filters	Flow Rate (GPM)	# of Filters	Flow Rate (GPM)	
GL04	1	20	1	20	2"
GL06	3	60	2	40	2"
GL08	6	120	5	100	3"
GL10	10	200	8	160	3"
GL12	12	240	11	220	4"
GL13	15	300	12	240	4"
GL14	19	380	14	280	4"
GL16	25	500	20	400	6"
GL18	32	640	26	520	6"
GL20	40	800	32	640	6"
GL22	52	1040	40	800	8"
GL24	60	1200	52	1040	8"
GL26	68	1360	56	1120	8"
GL28	81	1620	66	1320	10"
GL30	93	1860	76	1520	10"
GL32	112	2240	86	1720	10"
GL34	122	2440	100	2000	12"
GL36	142	2840	110	2200	12"
GL38	150	3000	125	2500	14"
GL40	180	3600	135	2700	14"
GL42	194	3880	150	3000	14"
GL44	210	4200	175	3500	16"
GL46	230	4600	190	3800	16"
GL48	257	5140	210	4200	16"
GL50	280	5600	230	4600	18"
GL52	300	6000	250	5000	18"
GL54	330	6600	275	5500	18"
GL56	350	7000	290	5800	18"
GL58	375	7500	310	6200	20"
GL60	400	8000	335	6700	20"

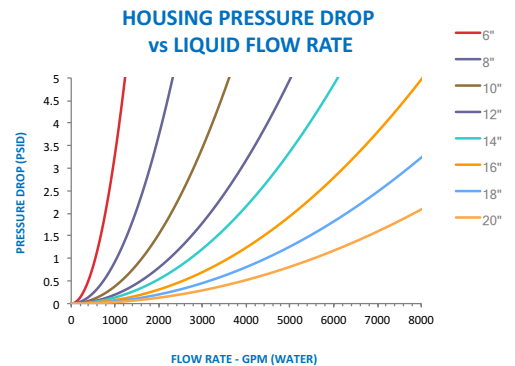
Flow rates based on water at 5gpm/10" (assuming 40" cartridges). Actual Flow rate is dependent on fluid viscosity, cartridge micron rating, contaminant and type of media.

### FLOW CHART

#### GL02 to GL06



#### GL06 to GL20



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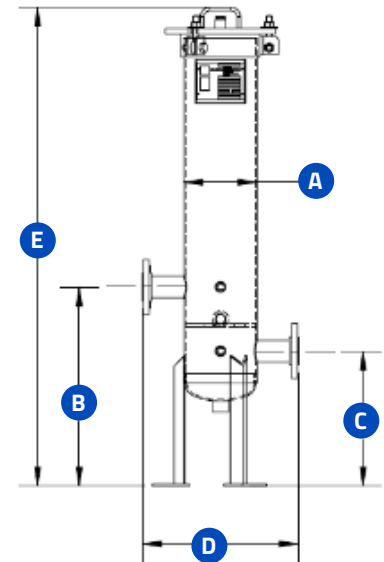


## MODEL DIMENSIONAL DETAILS

MODEL	SHIPPING WEIGHT (LBS)	A	B	C	D	E
GL04-001-4-2F	100	4½"	20"	14"	14"	62"
GL06-003-4-2F	125	6⅝"	22"	16"	16"	64"
GL08-006-4-3F	200	8⅝"	22"	16"	18"	65"
GL10-010-4-3F	240	10¾"	24"	18"	20"	68"
GL12-012-4-4F	280	12"	24"	16"	22"	72"
GL13-015-4-4F	320	13"	26"	18"	24"	76"
GL14-019-4-4F	360	14½"	28"	18"	26"	80"
GL16-025-4-6F	400	16½"	30"	18"	28"	82"
GL18-032-4-6F	550	18½"	32"	20"	30"	84"
GL20-040-4-6F	600	20½"	34"	20"	34"	86"
GL22-052-4-8F	650	22½"	36"	22"	36"	86"
GL24-060-4-8F	850	24½"	38"	24"	38"	90"
GL26-068-4-8F	950	26½"	40"	26"	40"	92"
GL28-081-4-10F	1050	28½"	42"	28"	44"	96"
GL30-093-4-10F	1200	30½"	42"	28"	46"	98"
GL32-112-4-10F	1400	32½"	44"	28"	48"	100"
GL34-122-4-12F	1500	34¾"	46"	30"	52"	106"
GL36-142-4-12F	1650	36¾"	46"	30"	54"	108"
GL38-150-4-14F	1800	38¾"	46"	32"	58"	110"
GL40-180-4-14F	2200	40¾"	48"	32"	60"	112"
GL42-194-4-14F	2300	42¾"	48"	36"	62"	114"
GL44-210-4-16F	2500	44¾"	50"	36"	66"	118"
GL46-230-4-16F	2650	47"	50"	36"	68"	120"
GL48-257-4-16F	2800	49"	52"	36"	70"	120"
GL50-280-4-18F	3000	51"	52"	40"	74"	124"
GL52-300-4-18F	3200	53"	54"	40"	76"	126"
GL54-330-4-18F	3450	55"	54"	40"	78"	128"
GL56-350-4-18F	3700	57"	54"	40"	80"	130"
GL58-375-4-20F	4000	59"	56"	44"	84"	132"
GL60-400-4-20F	4400	61"	56"	44"	86"	134"

## CHART LEGEND

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



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

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## PRODUCT NOMENCLATURE

NOTE: The GL series is in 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 GL in the part number.

S6	GL	16	025	4	6F	150	-
MOC	MODEL	HOUSING DIAMETER	# OF FILTERS	LENGTH	CONNECTION TYPE	DESIGN PRESSURE	OPTIONS
(-) CS <b>S4</b> SS304 <b>S6</b> SS316	<b>GL</b> ASME CODE <b>EGL</b> NON ASME	See Table	See Table	1 – 10 2 – 20 3 – 30 4 – 40	See Table	150	See "Housing Options"