

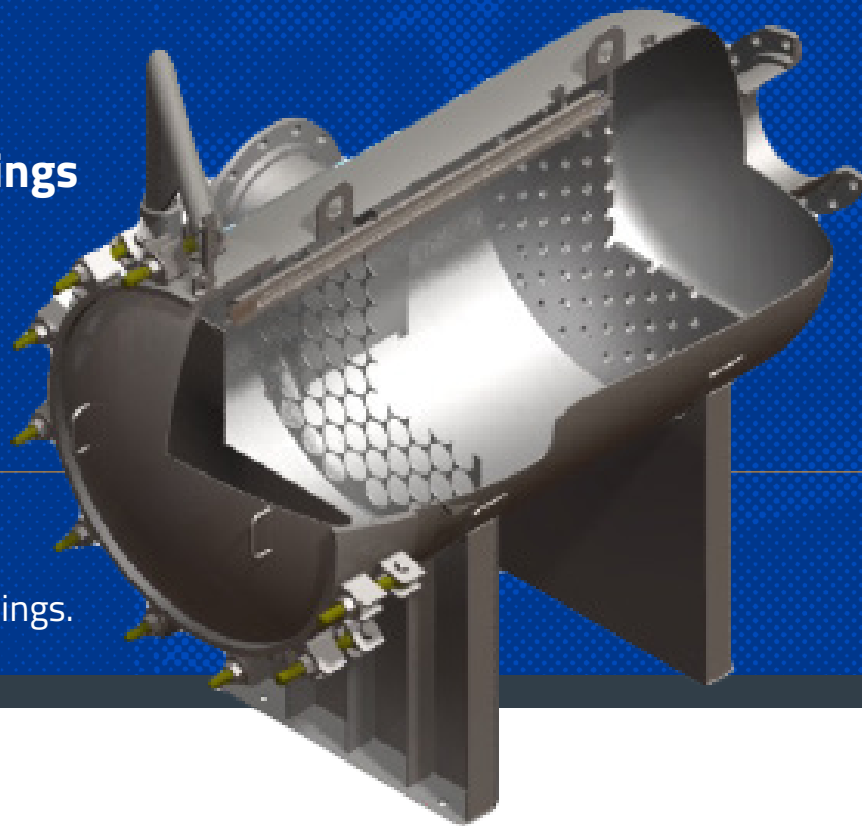


# GLH SERIES

## Multi-Round Horizontal Housings

- Cartridge Filter Housing
- Horizontal Design
- 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

### MEDIA

Accepts multiple 10", 20", 30" or 40" cartridges  
 Accepts industry standard double open end style cartridges  
 Can be designed to accept single open end cartridges

### DESIGN PRESSURE

150psig (10.3bar) @ 250°F (121.1°C) design pressure

### AVAILABLE MATERIALS

Vessels available in carbon or stainless steel 304 or 316  
 Also available in LDX2101, C276, AL6XN, RA2205 & Monel 400

### ADDITIONAL FEATURES

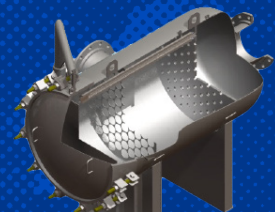
Swing bolt closure allows for quick element change out

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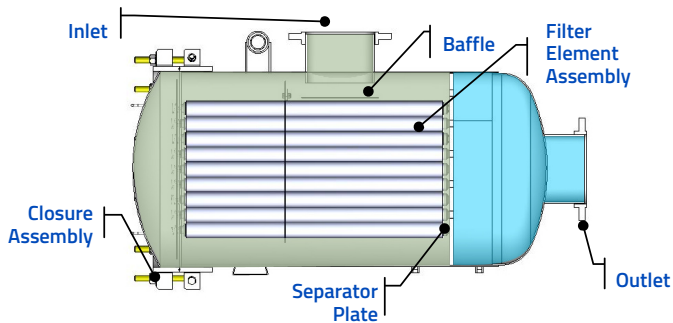
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## HOUSING SPECIFICATIONS

\*Indicates standard configuration

<b>Inlet/Outlet</b>	3" Flange - 22" 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



## MODEL FLOW RATES

Model	# of Filters		Flow Rate		Max Inlet/Outlet (IN)
	2.5"	2.75"	GPM 2.5	GPM 2.75	
GLH12	12	7	240	140	3"
GLH13	14	9	280	180	3"
GLH14	17	12	340	240	4"
GLH16	20	15	400	300	4"
GLH18	29	20	580	400	6"
GLH20	34	25	680	500	6"
GLH22	42	30	840	600	6"
GLH24	53	40	1060	800	8"
GLH26	62	50	1240	1000	8"
GLH28	70	60	1400	1200	8"
GLH30	87	75	1740	1500	10"
GLH32	103	80	2060	1600	10"
GLH34	110	90	2200	1800	12"
GLH36	126	105	2520	2100	12"
GLH38	140	115	2800	2300	14"
GLH40	150	125	3000	2500	14"
GLH42	178	140	3560	2800	14"
GLH44	190	155	3800	3100	14"
GLH46	205	175	4100	3500	14"
GLH48	225	185	4500	3700	16"
GLH50	245	200	4900	4000	16"
GLH52	266	225	5320	4500	16"
GLH54	290	230	5800	4600	18"
GLH56	316	255	6320	5100	18"
GLH58	335	275	6700	5500	18"
GLH60	360	295	7200	5900	20"
GLH62	390	325	7880	6500	20"
GLH64	410	350	8200	7000	20"
GLH66	450	370	9000	7400	22"

## MATERIAL OF CONSTRUCTION

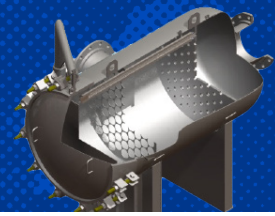
MATERIAL OF CONSTRUCTION	MAX. OPERATING PRESSURE	MAX. DESIGN TEMP
Carbon Steel	150 psi (10.3bar)	400°F (204.4°C)
304 Stainless Steel	150 psi (10.3bar)	400°F (204.4°C)
316 Stainless Steel	150 psi (10.3bar)	400°F (204.4°C)

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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### MODEL DIMENSIONAL DETAILS

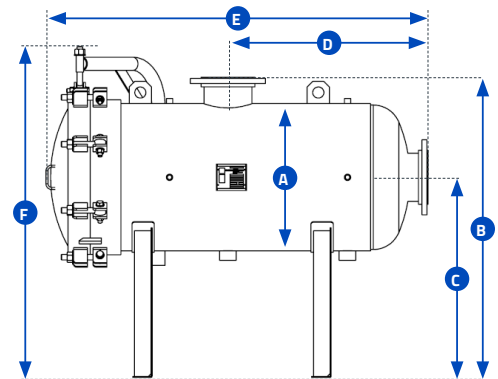
MODEL	SHIPPING WEIGHT (LBS)	A	B	C	D	E
GLH12	250	12 $\frac{1}{8}$ "	8"	36"	36"	58"
GLH13	300	13 $\frac{3}{8}$ "	10"	36"	36"	58"
GLH14	365	14 $\frac{1}{8}$ "	12"	36"	36"	58"
GLH16	425	16 $\frac{1}{8}$ "	14"	36"	36"	58"
GLH18	500	18 $\frac{3}{8}$ "	15"	36"	36"	60"
GLH20	600	20 $\frac{3}{8}$ "	16"	36"	36"	62"
GLH22	900	22 $\frac{1}{8}$ "	16"	36"	36"	66"
GLH24	975	24 $\frac{1}{8}$ "	17"	36"	36"	66"
GLH26	1100	26 $\frac{3}{8}$ "	18"	36"	36"	67"
GLH28	1400	28 $\frac{3}{8}$ "	20"	36"	36"	68"
GLH30	1600	30 $\frac{3}{8}$ "	21"	36"	36"	69"
GLH32	1750	32 $\frac{3}{8}$ "	22"	36"	36"	69"
GLH34	1925	34 $\frac{1}{8}$ "	24"	36"	36"	70"
GLH36	2100	36 $\frac{3}{8}$ "	24"	36"	36"	72"
GLH38	2400	38 $\frac{3}{8}$ "	27"	36"	36"	73"
GLH40	2700	40 $\frac{3}{8}$ "	27"	36"	36"	74"
GLH42	2900	42 $\frac{3}{8}$ "	29"	36"	36"	75"
GLH44	3300	44 $\frac{1}{8}$ "	29"	36"	36"	80"
GLH46	3700	46 $\frac{1}{8}$ "	29"	36"	36"	82"
GLH48	4100	48 $\frac{3}{8}$ "	29"	36"	36"	84"
GLH50	4500	50 $\frac{3}{8}$ "	32"	36"	36"	86"
GLH52	4900	52 $\frac{3}{8}$ "	32"	36"	36"	88"
GLH54	5500	54 $\frac{1}{4}$ "	37"	43"	43"	91"
GLH56	6000	56 $\frac{3}{8}$ "	37"	43"	43"	94"
GLH58	6600	58 $\frac{1}{8}$ "	37"	43"	43"	96"
GLH60	7000	60 $\frac{3}{8}$ "	37"	43"	43"	98"
GLH62	7500	62 $\frac{3}{8}$ "	39"	43"	43"	101"
GLH64	8000	64 $\frac{1}{8}$ "	39"	43"	43"	104"
GLH66	8500	66 $\frac{3}{8}$ "	40"	43"	43"	107"

### 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



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

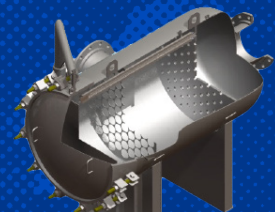


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## HOUSING OPTIONS

\*Indicates standard configuration

**Configuration** (-) E - Top In/End Out\*

**Options** C - Side In/End Out  
(at right)

**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** (-) BN – Buna-N\*

ED – EPDM

VI – Viton

SI – Silicone

TEV – Teflon encapsulated Viton

TF – Teflon

**Head Lift Options** (-) K1 – Head lift\*

K2 – Hinge

**Filter Configuration** (-) 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

**Accessories** Direct Reading Gauge

DP Gauge

Safety Relief Valves

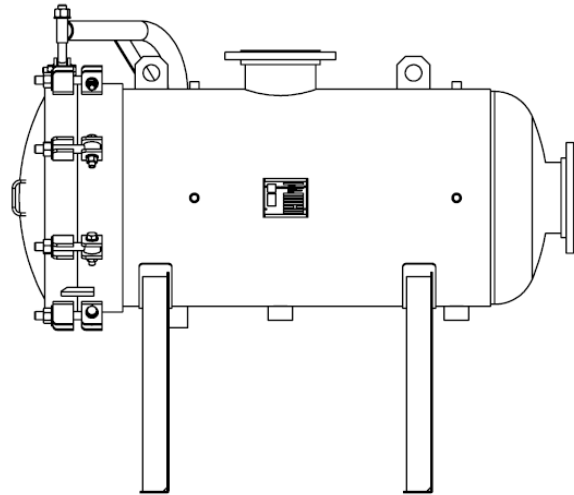
Vent Valves

Drain Valves

Air Eliminator

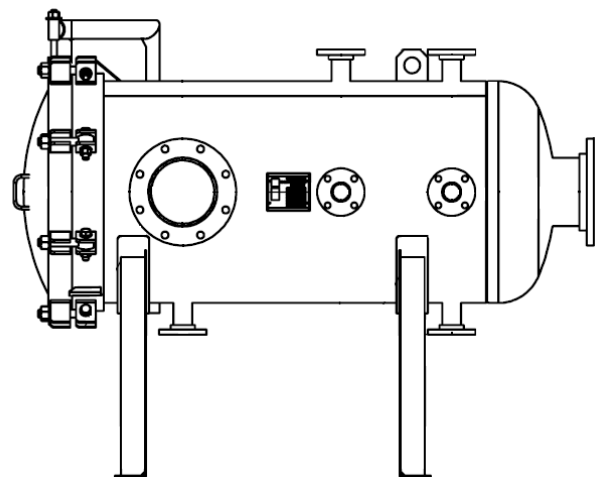
### E Top In/End Out\*

Side View



### C Side In/End Out

Side View



# GLH SERIES

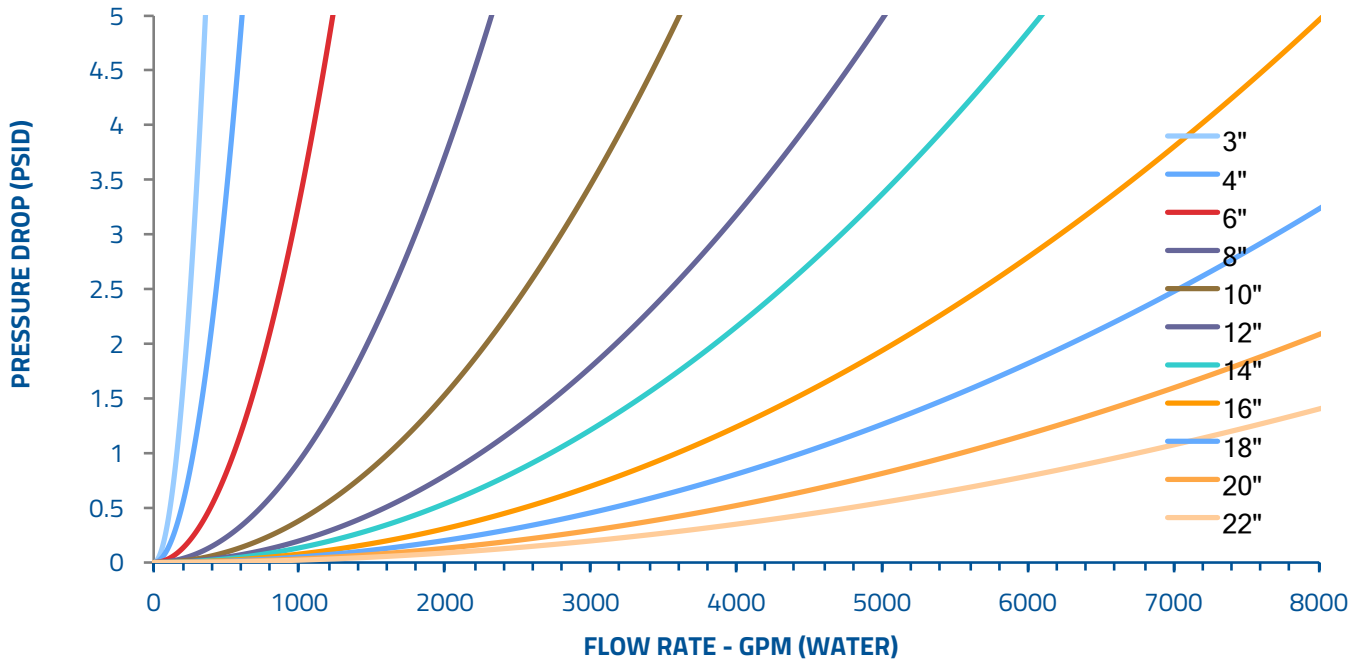
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## FLOW CHART

### HOUSING PRESSURE DROP vs LIQUID FLOW RATE



## PRODUCT NOMENCLATURE

S6	GLH	14	17	40	4F	-	-
<b>MATERIAL</b>	<b>MODEL</b>	<b>HOUSING DIAMETER</b>	<b># OF CARTRIDGES</b>	<b>LENGTH</b>	<b>CONNECTION TYPE</b>	<b>CONFIGURATION</b>	<b>OPTIONS</b>
(-) - Carbon S4 - SS304 S6 - SS316	GLH – ASME CODE EGLH – NON ASME	See Table	See Table	30 40	See Table	(-) – Top Side In/End Out C – Side In/End Out	See Housing Options

**NOTE:** The GLH 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 GLH in the part number.



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