



GLH SERIES

Multi-Round Horizontal Housings

- Universal 2.5" OD cartridge filter housing
- Horizontal, ASME Design / Industrial Design
- SS304 and SS316 are NSF/ANSI/CAN 61 certified

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/CAN 61

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

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

**NSF/ANSI/CAN 61 certification available for SS304 and SS316 (S4GLH/
S6GLH).*

ADDITIONAL FEATURES

Swing bolt closure allows for quick element change out

*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

Inlet/Outlet	Flange or NPT
Dirty Drain	1" NPT on GLH16 and smaller 2" NPT on GLH18 and larger
Clean Drain	1" NPT on GLH16 and smaller 2" NPT on GLH18 and larger
Vent	½" NPT on all sizes
Gauges	½" NPT on all sizes
Closure	Swing bolt closure, CSYZP
Headlift	Mechanical Davit on GLH12 and larger (std) Hydraulic Davit on GLH40 and larger (std)
Legs	Welded angle iron legs w/ footpads
Standard Pressure	150 PSIG *Other pressures available
Standard Temperature	250°F (121.1°C) *Other temperatures available
Certifications	ASME Section VIII, Div. I U, UM, CE, NB, CRN

MATERIAL OF CONSTRUCTION

MATERIAL OF CONSTRUCTION	MAX. OPERATING PRESSURE	MAX. DESIGN TEMP
Carbon Steel	150 psi (10.3bar)	250°F (121.1°C)
304 Stainless Steel*	150 psi (10.3bar)	250°F (121.1°C)
316 Stainless Steel*	150 psi (10.3bar)	250°F (121.1°C)

*NSF/ANSI 61 certification available for SS304 and SS316 (S4GLH/S6GLH).

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	24"

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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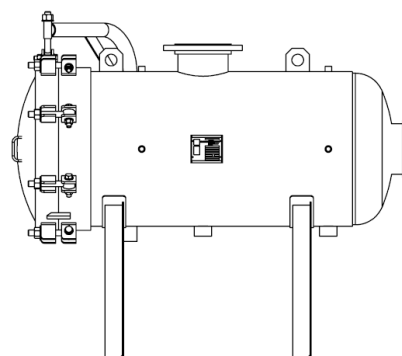
HOUSING OPTIONS

*Indicates standard configuration

Configuration	(-) E - Top In/End Out*
Options	C - Side In/End Out
<i>(at right)</i>	
Finish	(-) External paint "National Blue" (std for carbon steel *
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
Head Lift	(-) K1 – Head lift*
Options	K2 – Hinge
Filter	(-) E1 – Double Open End*
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 Gauges, Safety Relief Valves, Vent Valves, Drain Valves, Air Eliminator

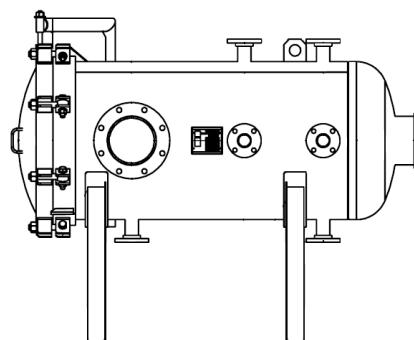
E Top In/End Out*

Side View



C Side In/End Out

Side View



PRODUCT NOMENCLATURE

S6	GLH	14	17	4	4F	-	-
MATERIAL	MODEL	HOUSING DIAMETER	# OF CARTRIDGES	LENGTH	CONNECTION TYPE	CONFIGURATION	OPTIONS
(-) – Carbon S4 – SS304** S6 – SS316**	GLH – ASME Code* EGLH – Non-Code	See Table	See Table	3-30" 4-40"	See Table	(-) – Top Side In/End Out C – Side In/End Out	See Housing Options

*GLH 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 GLH in the part number.

**NSF/ANSI 61 certification available for SS304 and SS316 (S4GLH/S6GLH).



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For more information, e-mail: info@fil-trek.com or visit Fil-Trek.com

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MODEL DIMENSIONAL DETAILS

MODEL	SHIPPING WGT (LBS)	A	B	C	D	E
GLH12	250	12 $\frac{1}{8}$ "	8"	36"	36"	58"
GLH13	300	13 $\frac{1}{8}$ "	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 $\frac{1}{8}$ "	15"	36"	36"	60"
GLH20	600	20 $\frac{1}{8}$ "	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 $\frac{1}{8}$ "	18"	36"	36"	67"
GLH28	1400	28 $\frac{1}{8}$ "	20"	36"	36"	68"
GLH30	1600	30 $\frac{1}{8}$ "	21"	36"	36"	69"
GLH32	1750	32 $\frac{1}{8}$ "	22"	36"	36"	69"
GLH34	1925	34 $\frac{1}{8}$ "	24"	36"	36"	70"
GLH36	2100	36 $\frac{1}{8}$ "	24"	36"	36"	72"
GLH38	2400	38 $\frac{1}{8}$ "	27"	36"	36"	73"
GLH40	2700	40 $\frac{1}{8}$ "	27"	36"	36"	74"
GLH42	2900	42 $\frac{1}{8}$ "	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 $\frac{1}{8}$ "	29"	36"	36"	84"
GLH50	4500	50 $\frac{1}{8}$ "	32"	36"	36"	86"
GLH52	4900	52 $\frac{1}{8}$ "	32"	36"	36"	88"
GLH54	5500	54 $\frac{1}{4}$ "	37"	43"	43"	91"
GLH56	6000	56 $\frac{1}{8}$ "	37"	43"	43"	94"
GLH58	6600	58 $\frac{1}{8}$ "	37"	43"	43"	96"
GLH60	7000	60 $\frac{1}{8}$ "	37"	43"	43"	98"
GLH62	7500	62 $\frac{1}{8}$ "	39"	43"	43"	101"
GLH64	8000	64 $\frac{1}{8}$ "	39"	43"	43"	104"
GLH66	8500	66 $\frac{1}{8}$ "	40"	43"	43"	107"

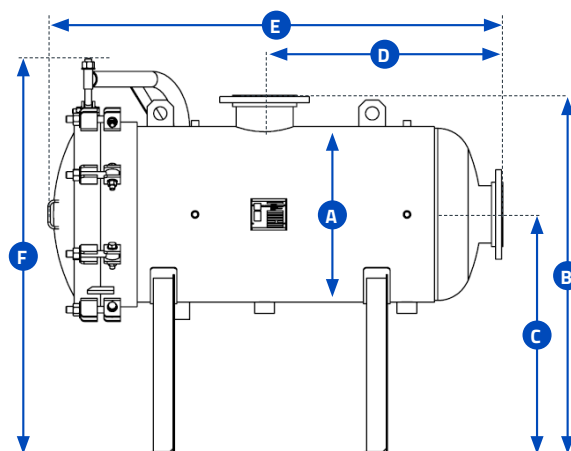
NOTE: Above dimensions are for Style E. For other options contact factory.

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



MODEL FLOW CHARTS

Housing pressure drop vs. flow rate

