

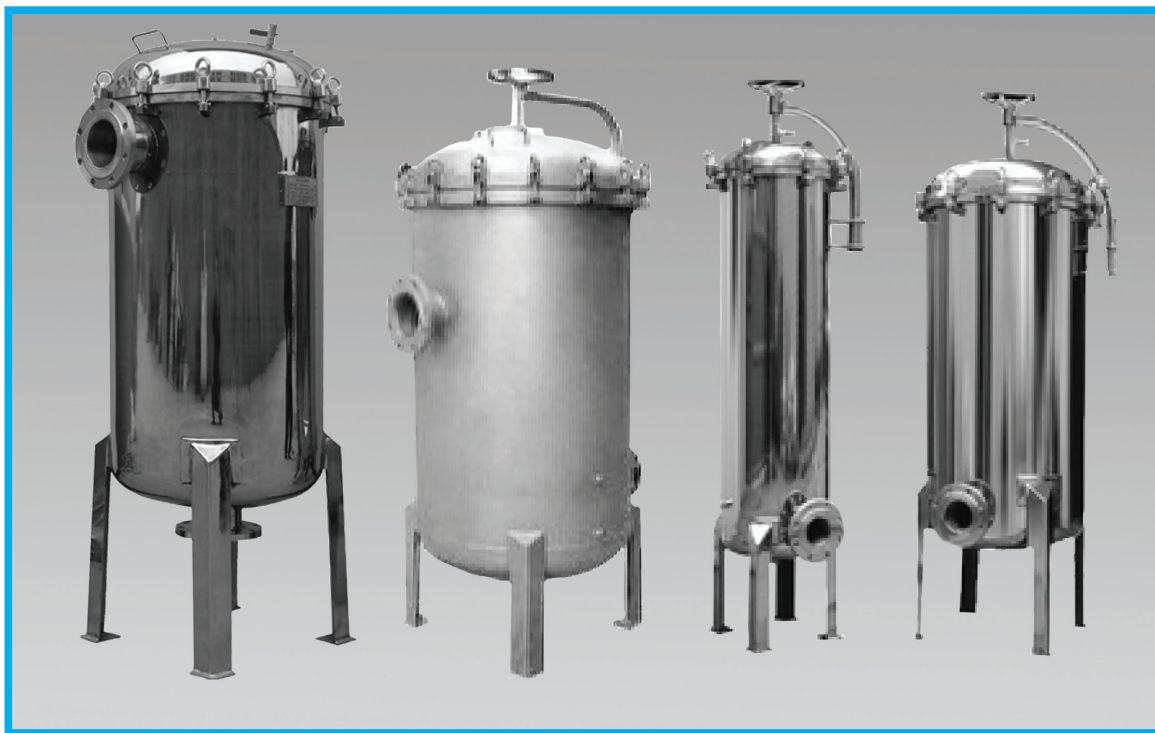


International Filter Products

Revolutionary systems for your industry

818-841-2702

Series IMR



INDUSTRIAL STAINLESS STEEL MULTI-ROUND FILTER HOUSING

Features:

- **Low Hold-Up Volume**
- **Low Drain Point**
- **Swing Away Bolts**
- **DOE / SOE Available**
- **ASME Stamp Available**
- **Flow Enters above Filter**
- **Efficient Element Spacing**

Applications:

- **Process Water**
- **Waste Water**
- **DI Water**
- **Petro-Chemical**
- **Chemical**
- **Food and Beverages**
- **Steam**

Benefits:

- **No Dead Zones**
- **Fully Self Draining**
- **Accepts 2.75" Dia. Cartridges**
- **Eliminates Flow impingment**
- **Easy to Install Filters**

Industrial Stainless Steel Multi-Round Filter Housing

The high quality Industrial Cartridge Housings are designed to meet your critical processing needs. These housings are commonly used in the Chemical, Electronic, Petro-Chemical, Food, and Beverage Industries. Housing exceeds industrial filtration standards. The 304 Stainless Steel housings have machined cartridge connections to preclude flow restrictions normally associated with seat cup interfaces. The highly corrosive-resistant material is ideal because of its superior strength and chemical compatibility.

904 N. Frederic St Burbank, CA 91505

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The housings are available to accept either 222 o-ring or DOE filter configurations. Housings of 3 to 100 round filter cartridges are available. Vent and drain allow easy venting, draining and sampling. Swing away bolts allow easy opening and secure sealing.

Design Features – The objective of our Engineers was to design a filter housing that's economical and convenient to use. The swing- away bolts were placed at the top of the housing to minimize hold up volume and for easy opening and closing. The housing seal is installed in the upright position to ensure the seal remain in position when tightening the bolts. The IMR Models 7- round x 30" filters and up are designed, in addition to the handles and safety purposes, with lifting davit arms to open of the top of the housing and rotate to have access to the main housing.

The filter housing is designed for the filters to sit flat on the filter manifold plate. This eliminates the need for filter seat cups and significantly reduces "Dead Space" within the housing.

Flow vs Pressure Loss curves:

To obtain an accurate pressure loss across a filter housing, select the curve that list the inlet and outlet connections size that is planned for the filter housing under consideration and then move to the correct flow rate and read the pressure loss. If you discover the pressure loss is too great, select a larger inlet & outlet connection. Remember, the listed pressure drops are for the filter housings only and don't include loss for the filter cartridges.

Material of Construction

Top Cover:	304 SS or 316SS
Main Housing:	304 SS or 316SS
Swing Away Bolts:	304 SS
Legs:	304 SS
Vent/Drain:	304 SS or 316SS
O-Rings:	Silicone, EPDM, Buna N, or Kalrez

Cartridge Dimension (nominal):

Lengths (in) 10, 20, 30, and 40

Connections:

Inlet/Outlet: 150lb RF Flange or FNPT refer to drawing.

Vent/Drain: FNPT, refer to drawing

Finish:

Exterior Finish: Electro polish <100Ra or Glass Bead Blasted

Interior Finish: Electro polish <63Ra

Operating Conditions:

Max Operating Pressure 150PSI (10.2 Bar) @212F (100 C)

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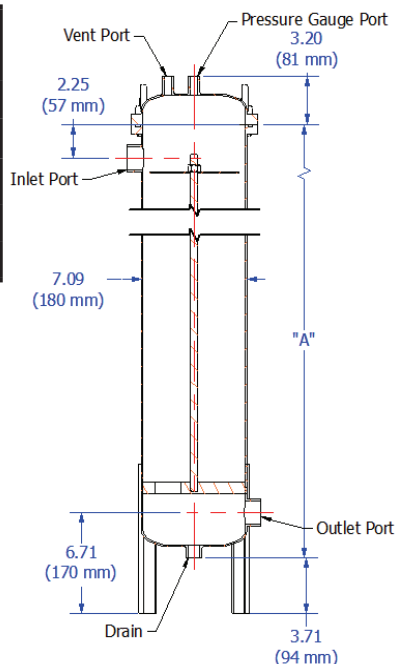
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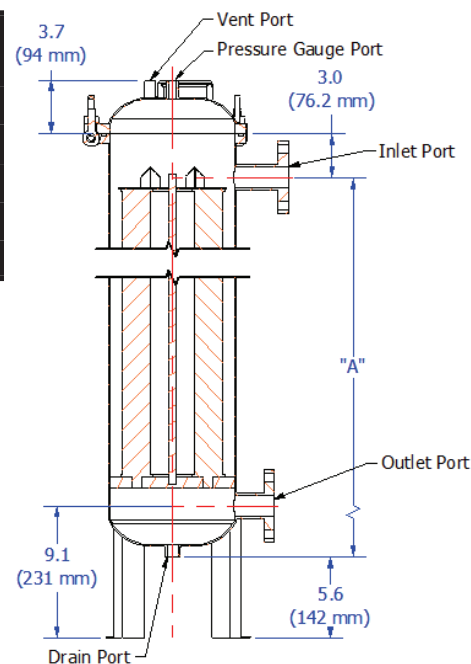
3 Round Tabulation

Element Length (in)	"A" Dimensions	
	(in)	(mm)
10	16	406.4
20	26	660.4
30	36	914.4
40	46	1174.8



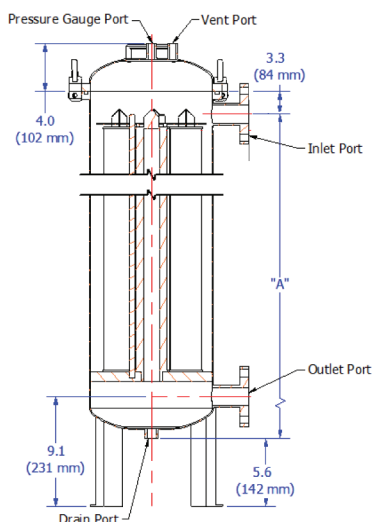
5 Round Tabulation

Element Length (in)	"A" Dimensions	
	(in)	(mm)
10	16.6	421.6
20	26.6	675.6
30	36.6	929.6
40	46.6	1183.6



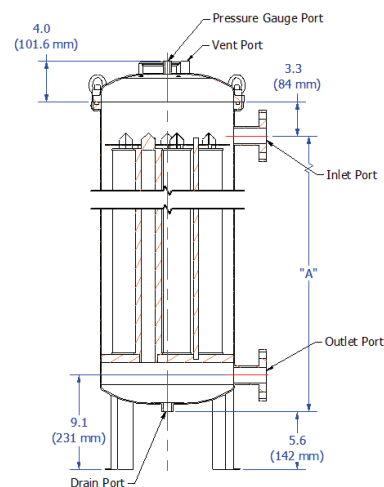
7 Round Tabulation

Element Length (in)	"A" Dimensions	
	(in)	(mm)
10	15.5	393.7
20	25.5	647.7
30	35.5	901.7
40	45.5	1155.7



9 Round Tabulation

Element Length (in)	"A" Dimensions	
	(in)	(mm)
10	17	431.8
20	27	685.8
30	37	939.8
40	47	1193.8



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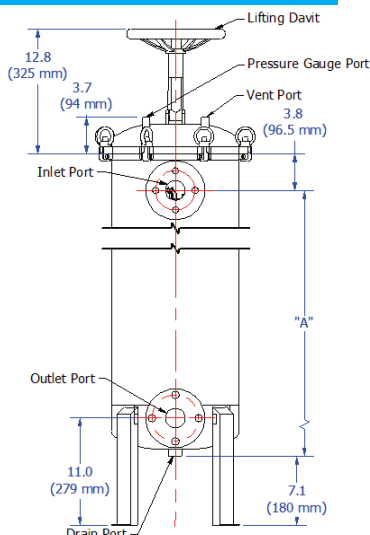
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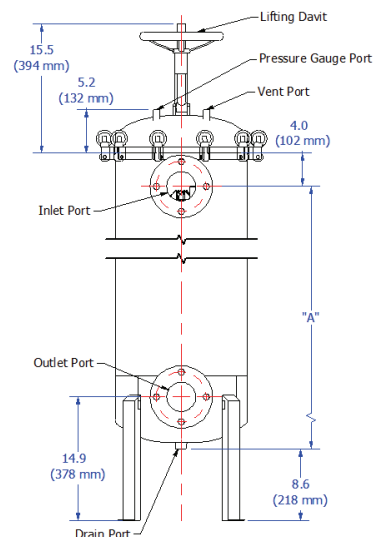
12 Round Tabulation

Element Length (in)	"A" Dimensions	
	(in)	(mm)
10	17.5	444.5
20	27.5	698.5
30	37.5	952.5
40	47.5	1206.5



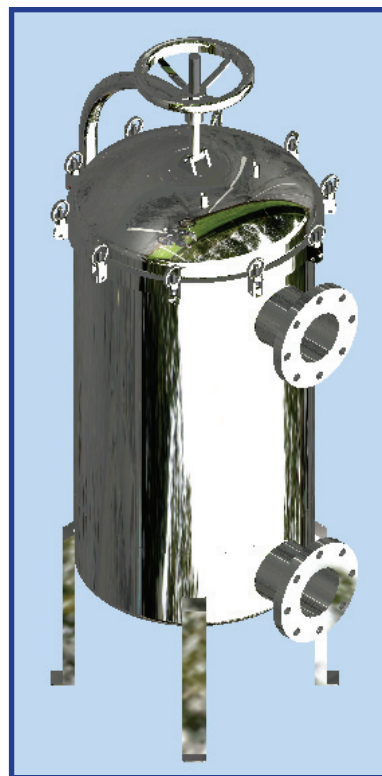
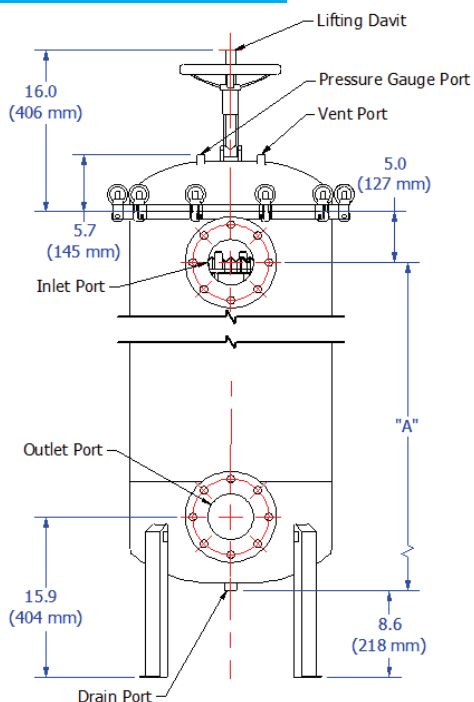
19 Round Tabulation

Element Length (in)	"A" Dimensions	
	(in)	(mm)
10	22	558.8
20	32	812.8
30	42	1066.8
40	52	1320.8



28 Round Tabulation

Element Length (in)	"A" Dimensions	
	(in)	(mm)
10	23	584.2
20	33	838.2
30	43	1092.2
40	53	1346.2



3D CAD Models and Drawings are available upon request.

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RECOMMENDED FLOW RATE RANGE PER FILTER HOUSING DESIGN

Chamber Model	GPH Based on 70 F Water	LPH Based on 70 F Water	Cartridge No. & Length	Inlet & Outlet Size
01-1300	540 - 990	2045 - 3750	3 - 10"	1"
01-1300	1080 - 1510	4090 - 5716	3 - 20"	1"
01-1300	1620 - 2800	6130 - 10600	3 - 30"	1.5"
01-1300	2160 - 3800	8175 - 12530	3 - 40"	2.0"
01-1310	750 - 1200	2840 - 4542	4 - 10"	1"
01-1310	1200 - 2400	4542 - 9084	4 - 20"	1.5"
01-1310	2200 - 3200	8330 - 12115	4 - 30"	1.5"
01-1310	3200 - 4800	12115 - 18170	4 - 40"	2.0"
01-1320	900 - 1500	3410 - 5680	5 - 10"	1.5"
01-1320	1800 - 2900	6815 - 10980	5 - 20"	1.5"
01-1320	2900 - 4500	10980 - 17035	5 - 30"	2.0"
01-1320	3600 - 5980	13625 - 21500	5 - 40"	2.0"
01-1330	1260 - 2100	4770 - 7950	7 - 10"	1.5"
01-1330	2520 - 4200	9540 - 15900	7 - 20"	2.0"
01-1330	3780 - 5800	14310 - 21955	7 - 30"	2.0"
01-1330	5040 - 8350	19075 - 31600	7 - 40"	2.5"
01-1340	1620 - 2700	6130 - 10220	9 - 10"	1.5"
01-1340	2700 - 5350	12265 - 20250	9 - 20"	2.0"
01-1340	5300 - 8500	20065 - 32175	9 - 30"	3.0"
01-1340	6500 - 10800	24605 - 40880	9 - 40"	3.0"
01-1350	2500 - 4000	9465 - 15140	12 - 10"	2.0"
01-1350	4000 - 6000	15140 - 22715	12 - 20"	2.0"
01-1350	6000 - 9000	22715 - 34070	12 - 30"	2.5"
01-1350	8600 - 12400	32555 - 46940	12 - 40"	3.0"
01-1360	4000 - 6500	15140 - 24605	19 - 10"	3.0"
01-1360	7500 - 11,400	28400 - 43155	19 - 20"	3.0"
01-1360	11400 - 17500	43155 - 66245	19 - 30"	4.0"
01-1360	14500 - 21600	54888 - 81765	19 - 40"	4.0"
01-1370	6500 - 10000	24605 - 37854	27 - 10"	4.0"
01-1370	11400 - 17000	43155 - 64355	27 - 20"	4.0"
01-1370	15000 - 22900	56785 - 86685	27 - 30"	4.0"
01-1370	21000 - 32000	79495 - 121135	27 - 40"	6.0"

GHP= Gallon per Hour LPH - Liters per Hour

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NOMENCLATURE

Housing Style	Style #	Element	Inlet / Outlet	O-Ring	Vent	Drain	Seal	Material
	XX-XXXX	X	X	X	X	X	X	X
3-Round	01-1300	1=10"	1=1.0" FNPT	1=222	1= 1/4" Valve	1= 1/4" Valve	S=Silicone	316=316L SS
4-Round	01-1310	2=20"	2=1.5" FNPT	2=DOE	2=1/2" FNPT	2=1/2" FNPT	E=EPDM	340=304 SS
5-Round	01-1320	3=30"	3=2" FNPT		3=1" FNPT	3=1" FNPT	V=Viton	
7-Round	01-1330	4=40"	4=150lb, RF, 1.0" FLG			4=1.5" FNPT	K=Kalrez	
9-Round	01-1340		5=150lb, RF, 1.5" FLG			5=2" FNPT	T=TEV	
12-Round	01-1350		6=150lb, RF, 2" FLG			6=150lb, RF, 1.0" FLG		
19-Round	01-1360		7=150lb, RF, 2.5" FLG			7=150lb, RF, 1.5" FLG		
28-Round	01-1370		8=150lb, RF, 3" FLG			8=150lb, RF, 2" FLG		
			9=150lb, RF, 4" FLG			9=150lb, RF, 2.5" FLG		

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