



Quality Today Insures Tomorrow

Product Specifications & Applications

Hydraulic Company of America

Series 4 Liquid Bag Housing

HYCOA's Series 4 Liquid Bag Housing offers a quality vessel for lower flow applications. Quality design and construction assure protection for all down-stream equipment. 300 PSI @ 300° F design as standard

Featuring rugged welded construction, these versatile vessels provide filtration solutions for a wide variety of industrial and process applications. The units utilize a wide variety of filter bag types to meet the most stringent requirements. Optional mesh lined baskets are available.

The vessels feature swing bolt closure o-ring sealed covers. The eye-bolt nuts allow easy opening and closing of the cover without the need to remove any hardware.

As a standard finish, all vessels are cleaned and painted inside and out with a 2-part epoxy. Stainless Steel vessels are supplied with a satin finish.



Features/Benefits

- Carbon Steel, 304 or 316 SS Construction
- 300 PSI Pressure Rating (500 PSI Option)
- Low Pressure Drop
- Quick Swing Closure with Eye Nuts
- 3/4" to 2" FNPT or RF Flange Connections
- Differential, Vent & Drain Ports (plugged)
- Viton Seal (Lid)
- Housing length 6" or 12"
- 316 SS Strainer Basket
- Variety of Filter Bags and Efficiency Ratings
- Optional Mesh Lined Baskets
- Standard Two-Part Epoxy Paint

- Optional adjustable support legs

Applications

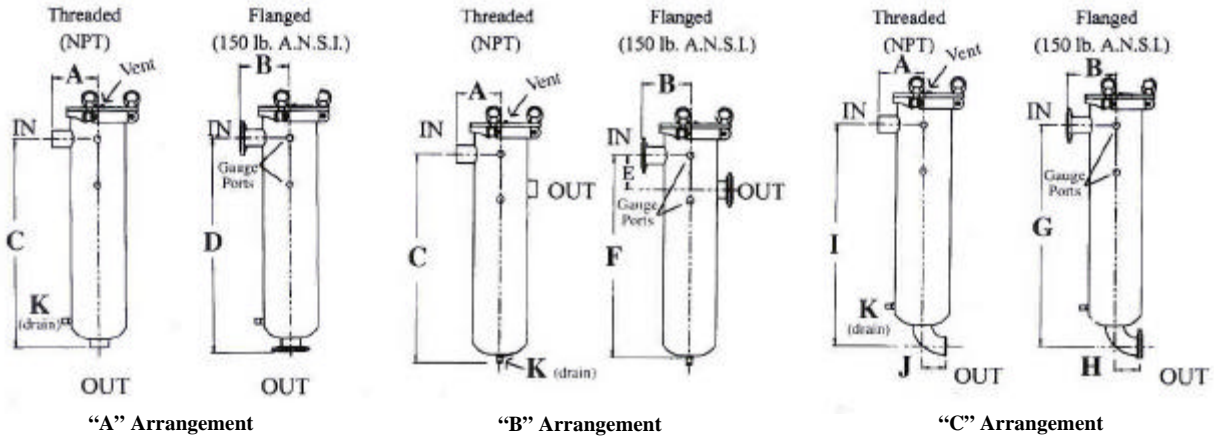
Industries:

- Pulp & Paper
- Food
- Petroleum
- Chemical

Applications:

- Cooling Water
- Edible Oils
- Fuel Oils
- Synthetic Fluids
- Naphtha
- Glycols
- Polymers

Port Type/Configuration:



Series 4 - Size 3

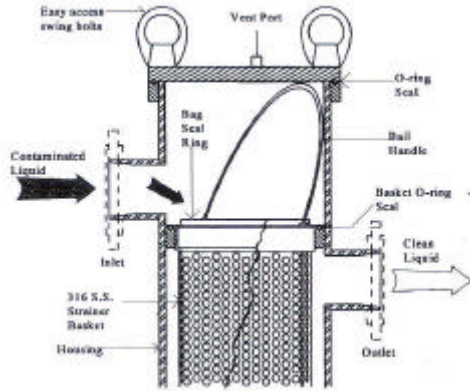
Pipe Size	A	B	C	D	E	F	G	H	I	J	K
0.75	3.0	4.3	12.3	13.8	4.0	12.2	12.7	4.0	12.7	1.3	0.5
1.00	3.0	4.3	12.3	13.8	4.0	12.2	13.0	4.0	13.0	1.5	0.5
1.50	3.2	4.3	12.3	13.8	4.0	12.2	13.7	4.0	13.4	2.0	0.5
2.00	3.5	4.4	12.3	13.8	4.0	12.2	14.6	4.0	13.6	2.3	0.5

Series 4 - Size 4

Pipe Size	A	B	C	D	E	F	G	H	I	J	K
0.75	3.0	4.3	17.5	18.9	4.0	17.2	17.7	4.0	17.7	1.3	0.5
1.00	3.0	4.3	17.5	18.9	4.0	17.2	18.0	4.0	17.9	1.5	0.5
1.50	3.2	4.3	17.5	18.9	4.0	17.2	18.7	4.0	18.3	2.0	0.5
2.00	3.5	4.4	17.5	18.9	4.0	17.2	19.4	4.0	18.5	2.3	0.5

Adjustable support legs have 6.5" bolt circle and 8" height adjustment

Housing Operation:



Series 4 Basket Data - Flow Rates to 50 GPM

Nominal Depth (inches)	Diameter (inches)	Surface Area (ft ²)	Volume (in. ³)
6	3.9	0.5	65
12	3.9	1.0	130

Specifications:

- ↳ Vessels rated at 300 PSI design pressure (500 PSI Optional)
- ↳ “O” ring seal 3-bolt swing closure with vent port
- ↳ 3/4" to 2" FNPT or Flange connections
- ↳ Two differential pressure ports
- ↳ Two part epoxy finish on carbon steel
- ↳ Stainless Steel vessels are supplied with satin finish
- ↳ Basket material is 316 SS with 9/64" perforations
- ↳ Basket seals onto o-ring in basket support
- ↳ Supplied with adjustable tripod leg assembly

Nomenclature:

Housing Type	Design Pressure	Material	Connection Size/Type	Outlet Location	Element Type	Element Size	Number of Elements
S1 = Simplex Bag D1 = Duplex Bag	0 = 100 PSI 1 = 150 PSI 2 = 200 PSI 3 = 300 PSI	1 = Carbon Steel 2 = 304 SS 4 = 316 SS	Z = 3/4" N = FNPT 1 = 1" F = Flange A = 1.5" 2 = 2"	A = Bottom B = Side C = Bottom 90°	B = Bag S = Strainer	1 = Size 1 2 = Size 2 3 = Size 3 4 = Size 4 8 = Size 8 9 = Size 9	1 = 1 2 = 2

Example:

S1-311NA-B31

Simplex Bag Filter @ 300 PSI - Series 4 in Carbon Steel with 1" FNPT connections (Bottom Outlet) taking (1) Size 3 Bag.

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