



Quality Today Insures Tomorrow

Product Specifications & Applications

Hydraulic Company of America

Series 6 Liquid Bag Housing

HYCOA's Series 6 Liquid Bag Housing offers a quality vessel for moderate flow range applications. Quality design and construction assure protection for all down-stream equipment. 150 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
- 150 PSI Pressure Rating
- Low Pressure Drop
- Quick Swing Closure with Eye Nuts
- 1" to 3" FNPT or RF Flange Connections
- Differential, Vent & Drain Ports (plugged)
- Viton Seals (Lid & Basket)
- Housing length 18" or 30"
- 316 SS Strainer Basket
- Variety of Filter Bags and Efficiency Ratings
- Optional Mesh Lined Baskets
- Adjustable support legs
- Standard Two-Part Epoxy Paint

Applications

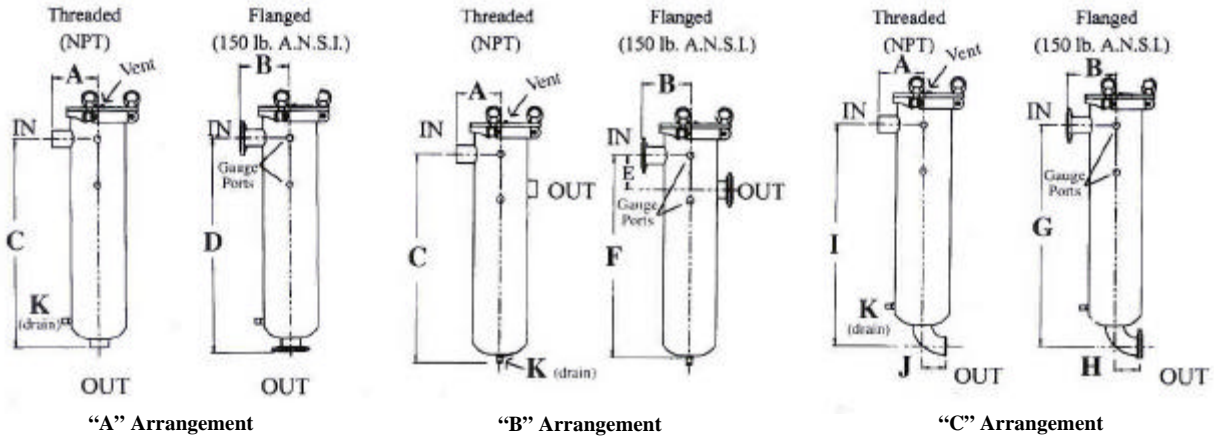
Industries:

- Pulp & Paper
- Food
- Petroleum
- Chemical

Applications:

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

Port Type/Configuration:



Series 6 - Size 8

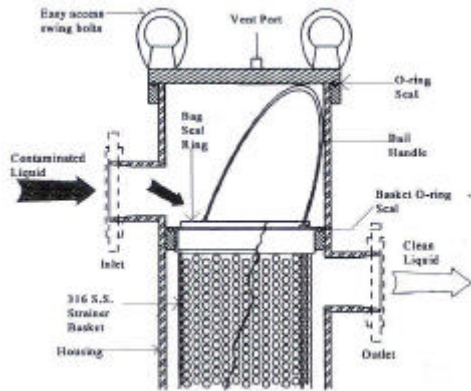
Pipe Size	A	B	C	D	E	F	G	H	I	J	K
1.00	4.0	5.4	25.3	26.8	7.0	25.2	26.0	5.0	26.0	1.5	0.75
1.50	4.2	5.6	25.3	26.8	7.0	25.2	26.7	5.0	26.4	2.0	0.75
2.00	4.2	5.7	25.3	26.9	7.0	25.2	27.4	5.0	26.6	2.3	0.75
3.00	4.3	6.0	25.3	27.4	7.0	25.2	28.6	5.0	27.2	3.1	0.75

Series 6 - Size 9

Pipe Size	A	B	C	D	E	F	G	H	I	J	K
1.00	4.0	5.4	35.2	36.8	7.0	35.3	36.1	5.0	36.0	1.5	0.75
1.50	4.2	5.6	35.2	36.8	7.0	35.3	36.8	5.0	36.4	2.0	0.75
2.00	4.2	5.7	35.2	36.9	7.0	35.3	37.4	5.0	36.6	2.3	0.75
3.00	4.3	6.0	35.2	37.4	7.0	35.3	38.6	5.0	37.2	3.1	0.75

Adjustable support legs have 9.25" bolt circle and 16" height adjustment

Housing Operation:



Series 6 Basket Data - Flow Rates to 100 GPM

Nominal Depth (inches)	Diameter (inches)	Surface Area (ft ²)	Volume (in. ³)
18	5.0	2.0	350
30	5.0	3.4	630

Specifications:

- ↳ Vessels rated at 150 PSI design pressure
- ↳ “O” ring seal 3-bolt swing closure with vent port
- ↳ 1” to 3” 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:

S1-112NA-B81

Simplex Bag Filter @ 150 PSI - Series 6 in Carbon Steel with 2” FNPT connections (Bottom Outlet) taking (1) Size 8 Bag.

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