



Quality Today Insures Tomorrow

Product Specifications & Applications

Hydraulic Company of America

Series 8 Liquid Bag Housing

HYCOA's Series 8 Liquid Bag Housing offers a quality vessel for higher 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
- 2" to 4" FNPT or RF Flange Connections
- Differential, Vent & Drain Ports (plugged)
- Viton Seals (Lid & Basket)
- Housing length 15" 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

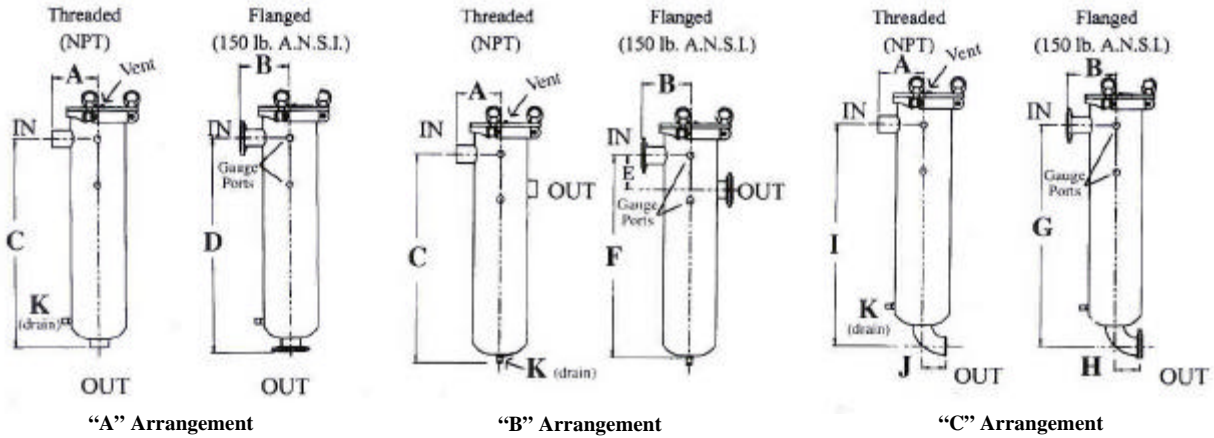
Industries:

- Pulp & Paper
- Food
- Petroleum
- Chemical

Applications:

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

Port Type/Configuration:



Series 8 - Size 1

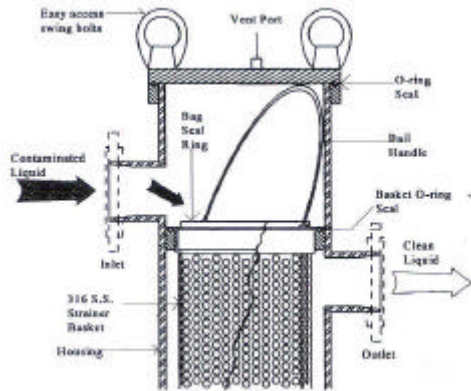
Series 8 - Size 2

Pipe Size	A	B	C	D	E	F	G	H	I	J	K
2.00	5.3	6.7	24.7	25.9	7.0	24.7	26.2	3.4	25.7	2.3	1.00
3.00	5.4	7.1	24.7	26.5	7.0	24.7	26.5	5.0	26.3	3.1	1.00
4.00	5.4	7.1	24.7	26.5	7.0	24.7	29.1	6.3	26.9	3.8	1.00

Pipe Size	A	B	C	D	E	F	G	H	I	J	K
2.00	5.3	6.7	36.2	37.4	7.0	36.2	37.7	3.4	37.2	2.3	1.00
3.00	5.4	7.1	36.2	38.0	7.0	36.2	39.2	5.0	38.7	3.1	1.00
4.00	5.4	7.1	36.2	38.1	7.0	36.2	40.6	6.3	38.9	3.8	1.00

Adjustable support legs have 12" bolt circle and 16" height adjustment

Housing Operation:



Series 8 Basket Data - Flow Rates to 220 GPM

Nominal Depth (inches)	Diameter (inches)	Surface Area (ft ²)	Volume (in. ³)
15	6.7	2.3	500
30	6.7	4.4	1000

Specifications:

- ↳ Vessels rated at 150 PSI design pressure
- ↳ “O” ring seal 3-bolt swing closure with vent port
- ↳ 2” to 4” 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:

S1-113NA-B21

Simplex Bag Filter @ 150 PSI - Series 8 in Carbon Steel with 3" FNPT connections (Bottom Outlet) taking (1) Size 2 Bag.

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