

Single Liquid Bag Housing

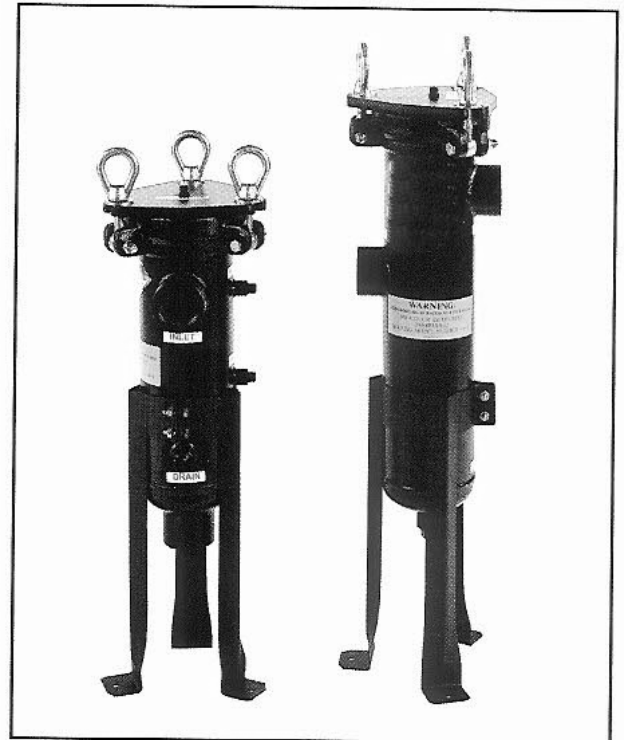
PFP's model 44 Single Series of Liquid Bag Housings offer two depths, a 6" and a 12" housing depending upon the needed surface area and volume of fluid to be filtered.

FEATURES

- Carbon, 304, or 316 stainless steel material
- 300 PSI pressure rating
- Low pressure drop
- Quick swing closure with eye nuts
- Viton lid seal
- Differential, drain, and vent ports
- 316 stainless steel strainer basket
- 2-part epoxy paint finish on carbon vessels

OPTIONS

- Adjustable support legs
- 500 PSI pressure rating
- Mesh lined strainer baskets



Shown with our optional adjustable support legs.

Our 44 series effectively removes dirt, pipe scale, and other contaminants from process liquids such as water, chemical and petroleum products. Quality construction and design assure protection for all down-stream equipment.

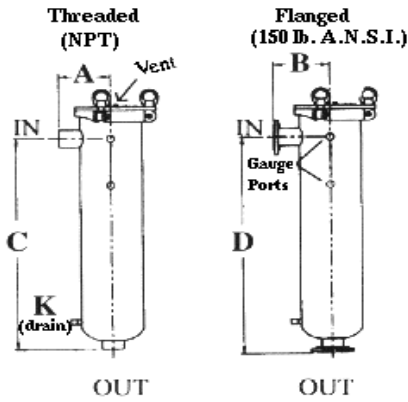
VESSEL CONSTRUCTION

Our model 44 single vessels are designed for operating up to 300 PSI at 300 degrees F. The housing design provides a large sump area at the bottom of the basket for particulate accumulation. This design utilizes the filter more efficiently and prolongs the element life.

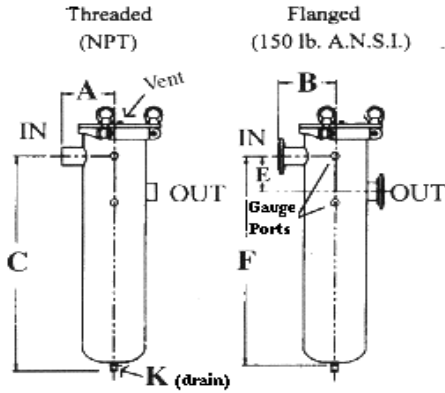
The **316 S.S. basket** rests on a 316 S.S. support ring allowing the element to seal to the side of the housing, eliminating particulate bypass between the basket and seat. Optional mesh-lined strainer baskets and o-rings are available.

A **vent** in the housing lid and a **drain port** in the housing speed evacuation and filling. **Gauge ports** are located on the body of the housing to install gauges for monitoring the differential pressure across the bag or strainer basket. Permanently piped housings are opened with simple tools without disturbing the piping. **Swing bolts** with eye-nuts allow easy opening and closing of the swing-lid. No need to remove any hardware.

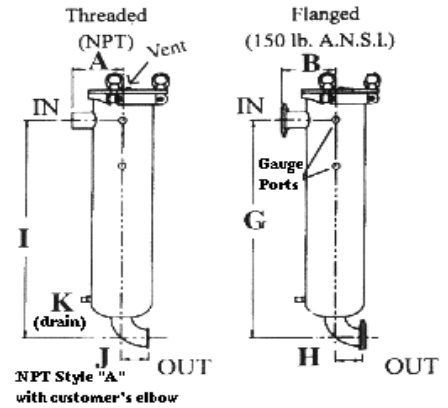
**Style 'A'
BOTTOM OUTLET**



**Style 'B'
SIDE OUTLET**



**Style 'C'
BOTTOM OUTLET 90°**



All dimensions are approximate...

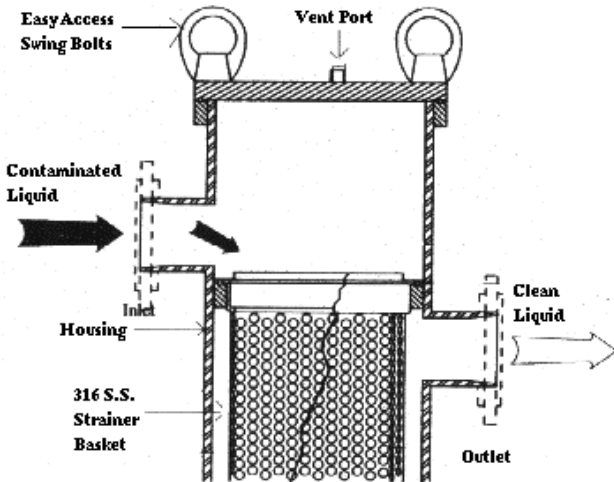
44-6

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	3.0	4.3	12.3	13.8	4.0	12.2	13.0	4.0	13.0	1.5	
1.25	3.2	4.3	12.3	13.8	4.0	12.2	13.2	4.0	13.3	1.8	28# box
1.5	3.2	4.3	12.3	13.8	4.0	12.2	13.7	4.0	13.4	2.0	
2	3.5	4.5	12.3	13.8	4.0	12.2	14.6	4.0	13.6	2.3	wt.

44-12

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	3.0	4.3	17.5	18.9	4.0	17.2	18.0	4.0	17.9	1.5	
1.25	3.2	4.3	17.5	18.9	4.0	17.2	18.4	4.0	18.2	1.8	32# box
1.5	3.2	4.3	17.5	18.9	4.0	17.2	18.7	4.0	18.3	2.0	
2	3.5	4.5	17.5	18.9	4.0	17.2	19.4	4.0	18.5	2.3	wt.

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



Housing Operation:

Unfiltered liquid enters the housing above the filter bag or strainer basket; flows down into the housing; and continues through the element. Solids are trapped inside the filter bag or strainer and easily removed when the housing is serviced.

Basket data for Model 44 with flow rates to 50 gpm

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

Building a Part Number:

L44	6	1.25	N	A	C	30
Housing Model #	Basket Size (in)	Conn Size(in)	Conn Type	Outlet Location	Material	PSI
L44	6 12	.75, 1, 1.25, 1.50 and 2	NPT=N FLANGE=F	Style A	Carbon=C	300=30
				B	304SS=4	500=50
				C	316SS=6	

SPECIFICATIONS

Housing lid has a 3-bolt swing closure with a vent port. Connections are () inch (NPT)(FLG) with a (side inlet and bottom outlet)(side inlet and side outlet)(side inlet and 90 degree bottom outlet). Housing is supplied with two differential pressure ports to measure the differential pressure across the filter bag. A two-part epoxy finish is applied on the carbon steel vessels to maximize the life of the housing; stainless steel vessels are supplied with a satin finish. Basket material is manufactured from 316 stainless steel with 9/64" perforations to act as a strainer or to accept a #3 or #4 size liquid bag. Lid seals onto a Viton o-ring. Vessels are rated at a 300 pound per square inch design.