

INDUSTRIAL L44 BAG HOUSINGS



L44 Single Liquid Bag Housings effectively remove dirt, pipe scale, and other substances from process liquids. Quality construction and design assure protection for all downstream equipment.

Unfiltered liquid enters the housing above the filter bag or strainer basket; fills the interior of the housing; and continues through the bag or strainer basket. Solids are trapped inside the filter bag or strainer and easily removed when the housing is serviced.

FEATURES/BENEFITS

Flow rates up to 50 gpm (189.3 Lpm)
Two lengths available, 6" and 12" (152 and 305 mm) depending upon the required surface area and volume of fluid to be filtered
150, 300 and 500 PSI (10.3, 20.7 and 34.5 bar) pressure ratings
500 PSI (34.5 bar) housings have slip and blind flange lid
Carbon Steel or Stainless Steel construction
Each housing is factory hydro-tested
Low pressure drop

Zinc-plated quick-swing closure with eye nuts
FKM lid seal
Differential, drain, and vent ports
304 Stainless Steel strainer basket for 304 Stainless Steel housings and Carbon Steel housings
316 Stainless Steel strainer basket for 316 Stainless Steel housings
Accepts #3-size and #4-size bag filters
Two-part epoxy paint finish inside and outside on carbon steel housings

APPLICATIONS

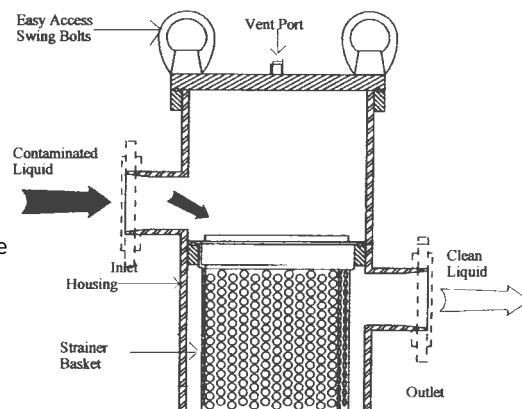
Chemical
General Industrial
Oil and Gas
Water

OPTIONS

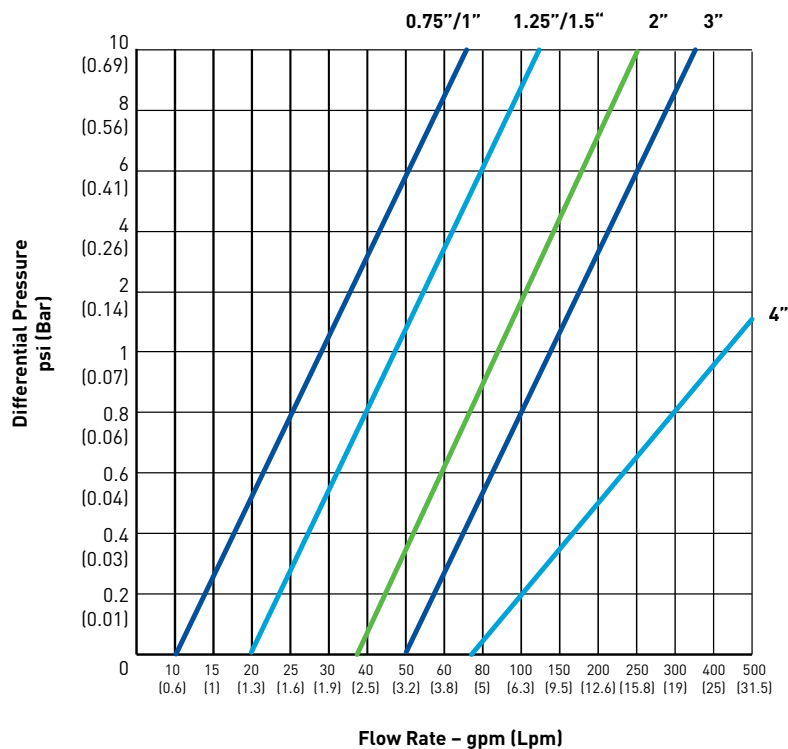
Mesh-lined strainer baskets
Alternative O-ring materials
Adjustable support legs
ASME code U or UM
Positive hold down spring

SPECIFICATIONS

Pressure Rating	150 psi @ 300°F (10.3 bar @ 148.9°C) (up to 500 psi [34.5 bar] optional)
Connections	¾", 1", 1¼", 1½" or 2" NPT or flange
Housing Lid	Zinc-plated 3-bolt swing closure with ¼" NPT vent port
Lid & Basket Seals	FKM O-ring
Pressure Ports	Two ¼" NPT
Construction/Finish	Carbon steel w/2-part epoxy finish inside & outside 304 or 316 Stainless steel w/satin finish outside
Basket Material	304 Stainless Steel strainer basket with 9/64" perforations for 304 Stainless Steel housings and Carbon Steel housings 316 Stainless Steel strainer basket with 9/64" perforations for 316 Stainless Steel housings
Bag Sizes	#3 and #4
Base	Adjustable tripod leg assembly optional

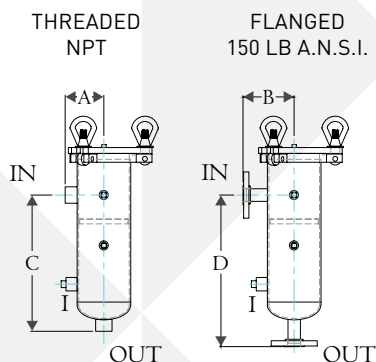


PRESSURE DROP VS FLOW RATE

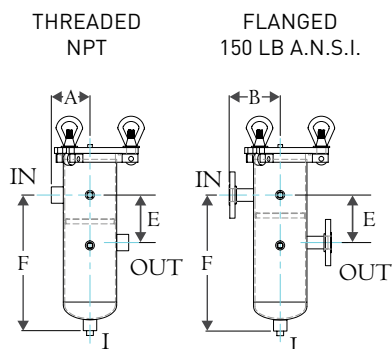


DIMENSIONS

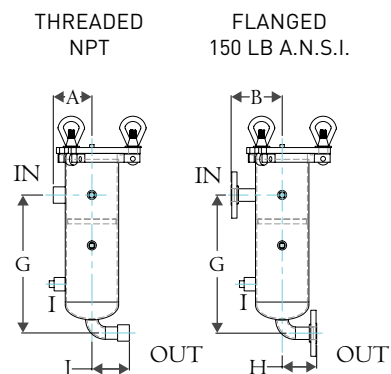
STYLE A - BOTTOM OUTLET



STYLE B - SIDE OUTLET



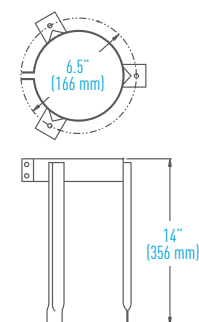
STYLE C - BOTTOM OUTLET 90°



L44-6

CONNECTION SIZE	DIMENSIONS											WEIGHT	
		A	B	C	D	E	F	G	H	I	J		
0.75"	IN	3.3	4.3	11.4	12.8	4.0	11.4	11.6	2.9	0.5	3.1	LBS	28
	MM	83	109	291	324	102	291	295	73	13	80	KG	13
1.0"	IN	3.3	4.3	11.6	12.8	4.0	11.4	12.0	3.3	0.5	2.7	LBS	28
	MM	83	109	295	324	102	291	305	84	13	68	KG	13
1.25"	IN	3.3	4.3	11.7	12.8	4.0	11.4	12.3	3.2	0.5	3.2	LBS	28
	MM	83	109	297	324	102	291	313	81	13	81	KG	13
1.50"	IN	3.4	4.3	11.9	12.8	4.0	11.4	12.7	3.6	0.5	3.8	LBS	28
	MM	87	109	303	324	102	291	322	92	13	97	KG	13
2.0"	IN	3.4	4.5	12.0	12.8	4.0	11.4	13.4	4.5	0.5	4.7	LBS	28
	MM	86	114	305	324	102	291	340	114	13	119	KG	13

OPTIONAL ADJUSTABLE LEGS



L44-12

CONNECTION SIZE	DIMENSIONS											WEIGHT	
		A	B	C	D	E	F	G	H	I	J		
0.75"	IN	3.3	4.3	16.4	17.9	4.0	16.4	16.6	2.9	0.5	3.1	LBS	32
	MM	83	109	418	454	102	418	422	73	13	80	KG	15
1.0"	IN	3.3	4.3	16.6	17.9	4.0	16.4	17.0	3.3	0.5	2.7	LBS	32
	MM	83	109	422	454	102	418	432	84	13	68	KG	15
1.25"	IN	3.3	4.3	16.7	17.9	4.0	16.4	17.3	3.2	0.5	3.2	LBS	32
	MM	83	109	424	454	102	418	440	81	13	81	KG	15
1.50"	IN	3.4	4.3	16.9	17.9	4.0	16.4	17.7	3.6	0.5	3.8	LBS	32
	MM	87	109	430	454	102	418	449	92	13	97	KG	15
2.0"	IN	3.4	4.3	17.0	17.9	4.0	16.4	18.4	4.5	0.5	4.7	LBS	32
	MM	86	109	432	454	102	418	467	114	13	119	KG	15

All dimensions are approximate.

BASKET DATA

DEPTH		DIAMETER		SURFACE AREA		VOLUME	
IN	6.0	IN	3.9	FT. ²	0.5	IN ³	65
MM	152	MM	99	M ²	0.05	CM ³	1,065
IN	12.0	IN	4.3	FT. ²	1.0	IN ³	130
MM	305	MM	109	M ²	0.09	CM ³	2,130

ORDERING INFORMATION

To create your ordering part number, use the part number configurator below.

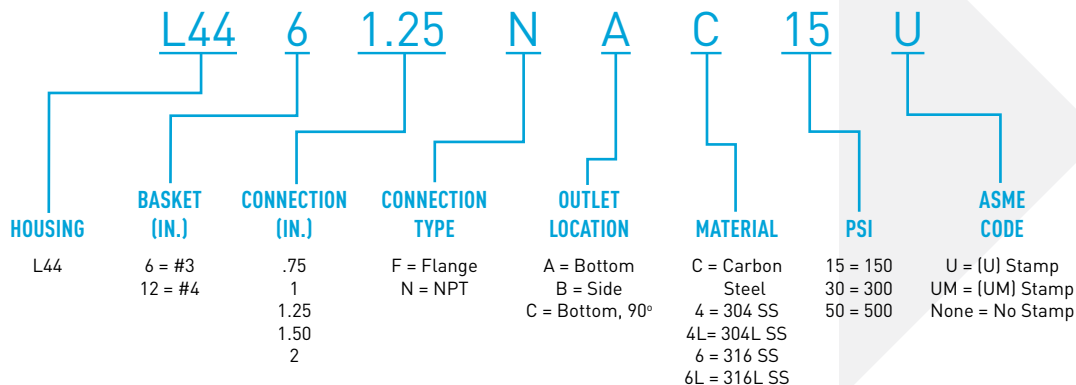
Custom configurations available. Please contact customer service.

Carbon steel not recommended for water use as the epoxy coating is not designed as a corrosion inhibitor.

HOUSING EXAMPLE: L4461.25NAC15U

L44 Housing (L44), #3 standard basket (6), 1.25" (1.25), NPT connection (N)

Outlet located on bottom (A), Carbon steel (C), 150 psi (15), ASME Code (U) Stamp (U)



FILTRATION & PROCESS

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