

FilClean BHSB

Single Round Bag Housings With Easy Open Swing Bolt Lids

Multi-round Housings

These multi-basket strainers and bag filters offer a larger range of flow capacities and contaminant-holding capabilities. They contain 4 to 6 baskets.

To serve as a strainer, a unit is ordered with perforated stainless steel baskets (mesh-lined if desired). When ordered as a filter, it is fitted with perforated stainless steel baskets designed to hold disposable filter bags. Industry-standard size bags are used: the standard 30 inch baskets accept bag size 2, the optional 15 inch baskets take size 1.

The standard pressure rating for all models is 150 PSI.

Features

- 4 & 6 round bag filter housings
- Carbon steel or 304 stainless steel
- All stainless steel models have a glass bead blasted exterior finish.
- Flanged connections for 2 through 6 inch pipe
- Vent, drain and gauge connections
- Pressure rating 150 PSI
- Machined cover gasket groove provides positive O-ring sealing



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Multi-round Filter Bag Housings - Choosing the Housing Style to Suit Your Requirements

Standard Housing Design (STD)

The multi-round standard design is durable and economic. It includes a davit arm and handwheel to facilitate cover removal. It is our most versatile housing design.

Multi-round Bag Housing Pressure Drop Data

Basket strainer and bag filters are usually selected so that the pressure drop does not exceed 2 PSI when they are clean. Higher pressure drops may be tolerated when contaminant loading is low. Bag change out should occur at 15 PSID.

The pressure drop data is accurate for all housings with strainer or bag filter. Pressure drop becomes the sum of the accumulated pressure drops as determined by the steps below.

Follow these easy steps:

1. Using the desired pipe size and approximate flow rate, determine the basic pressure drop from the appropriate graph.
2. Multiply the pressure drop obtained in step 1 by the viscosity correction factor found in the accompanying table. This is the adjusted (clean) pressure drop for all baskets, without filter bags.
3. Add the pressure drop for the bag filter.

Low Profile Housing Design (LPD)

The multi-round low profile design is compact and space saving, allowing for ease of bag change-out. Standard operating height is reduced, resulting in a safe design by eliminating platforms and ladders.

The low profile design is also available in a duplex system, See Page #20.

Model Selection

Model No.	Number of Baskets	Straining/ Filtering Area (sq. ft.)	Nominal Flow Rate (gpm)**	Inlet/Outlet Size (in.)
22	4	17.6	400	2, 3, 4, 6
24	6	26.4	600	2, 3, 4, 6

Nominal flow rate is based on water @ 1 PSI ΔP . For optimum filtering effectiveness, a maximum fluid velocity of 10 ft./sec. should be maintained.

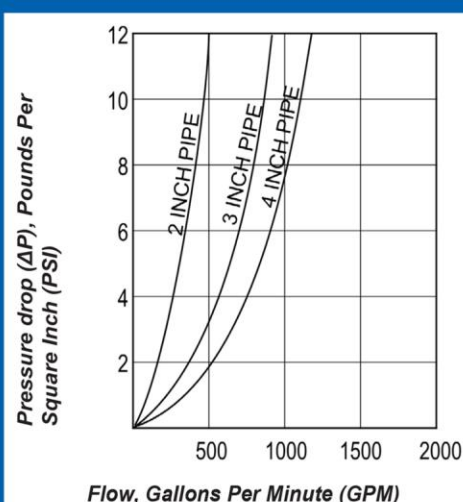
Viscosity, CPS

	1 (H ₂ O)	50	100	200	400	600	800	1000	2000
Bag style and all unlined baskets	.65	.85	1.00	1.10	1.20	1.40	1.50	1.60	1.80
40-mesh lined	.73	.95	1.20	1.40	1.50	1.80	1.90	2.00	2.30
60-mesh lined	.77	1.00	1.30	1.60	1.70	2.10	2.20	2.30	2.80
80-mesh lined	.93	1.20	1.50	1.90	2.10	2.40	2.60	2.80	3.50
100-mesh lined	1.00	1.30	1.60	2.20	2.40	2.70	3.00	3.30	4.40
200-mesh lined	1.30	1.70	2.10	3.00	3.40	3.80	4.40	5.00	6.80



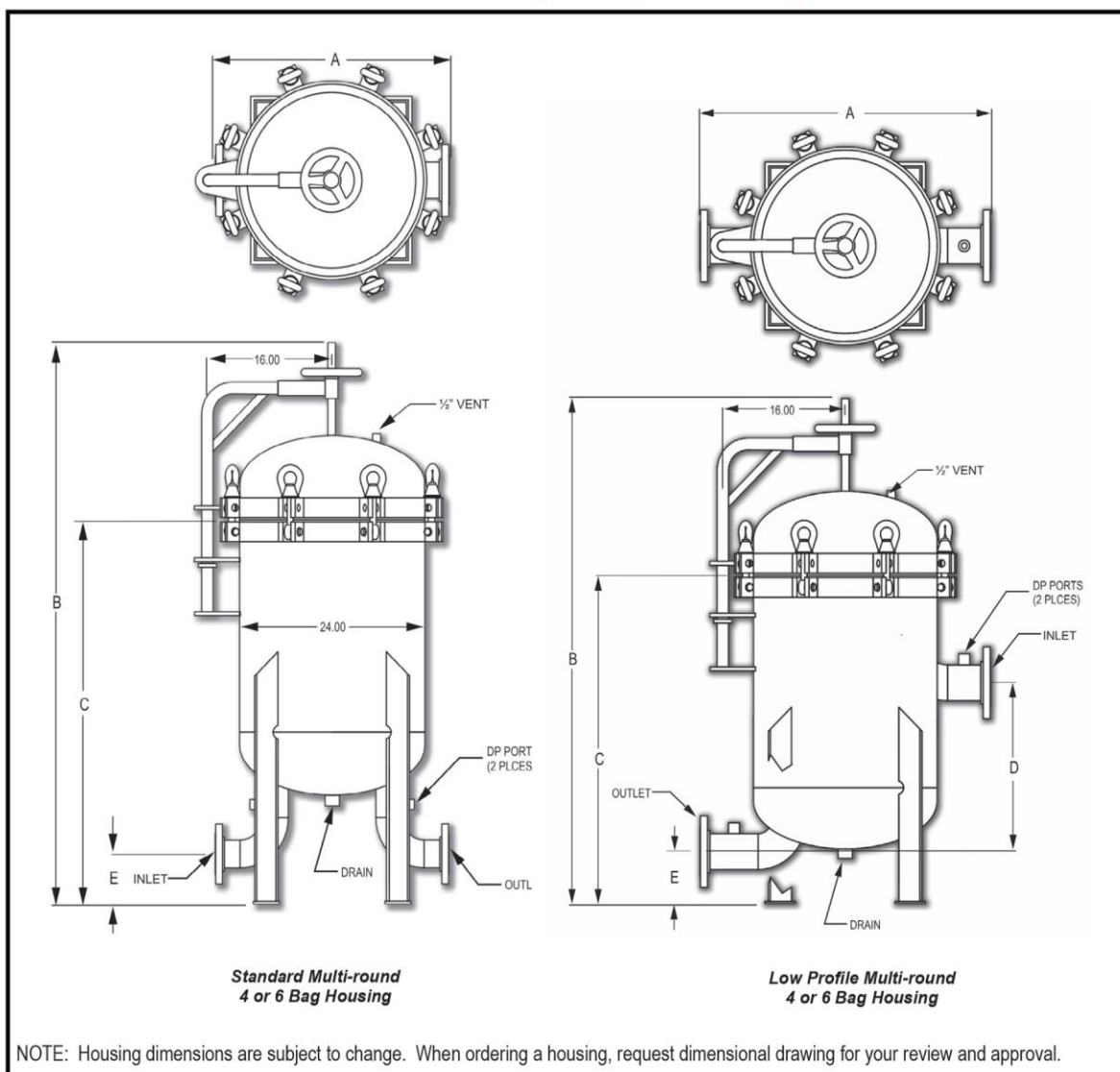
Model #24 multi-round filter bag housing interior

NOTE: *Based on housing only. Fluid viscosity, bag filter used, and expected dirt loading, should be considered when sizing a filter.



Model 22 & 24 - For flow rates to 600 gpm*

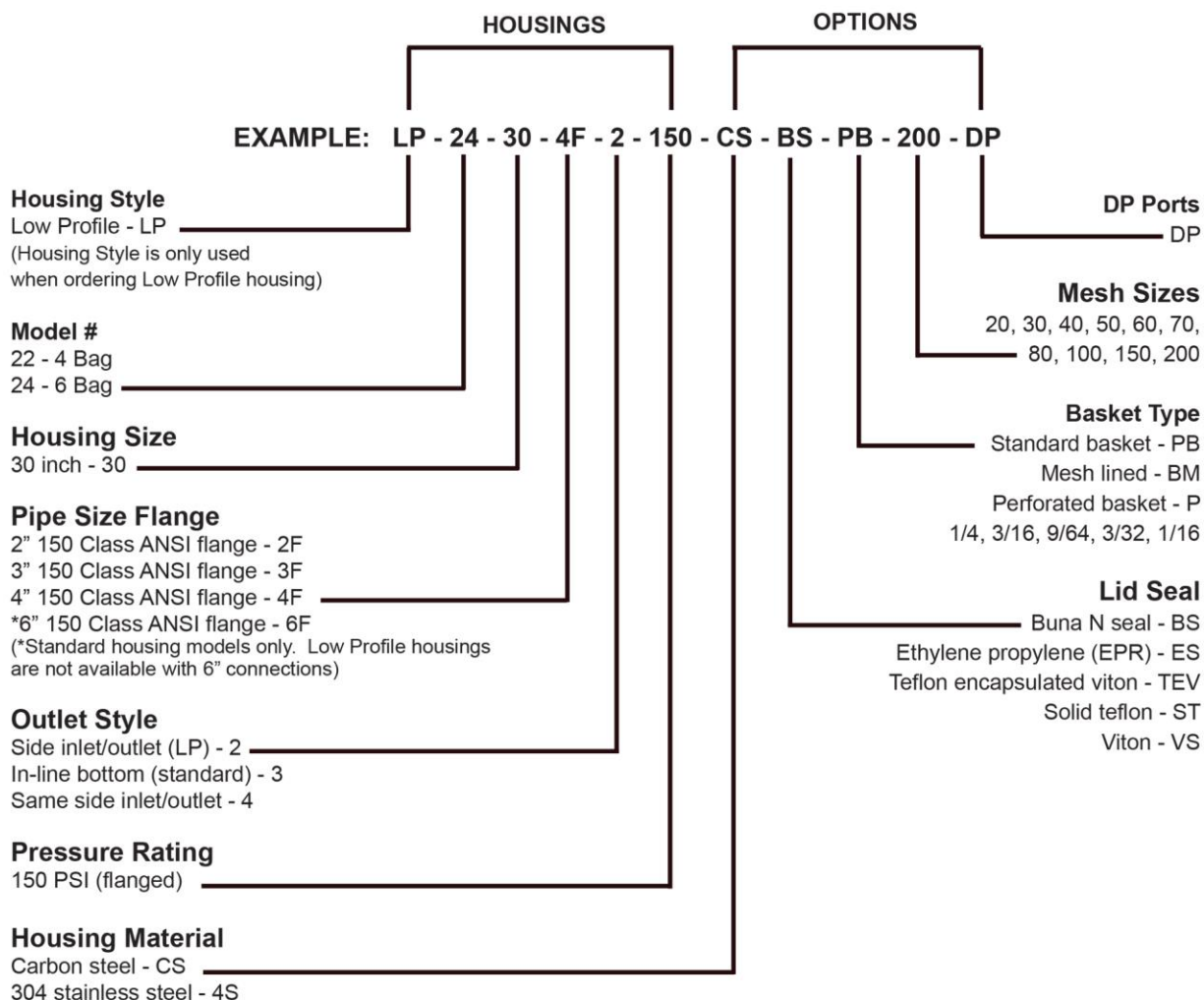
Multi-round Filter Bag Housing for Size #2 Bags



Carbon Steel 304 Stainless Steel

Standard Multi-round housing for 4 or 6 Size #2 bags	Pipe Size	A	B	C	D	E
	2.00"	27.00"	68.76"	46.63"	---	6.00"
	3.00"	30.20"	69.00"	47.00"	---	6.00"
	4.00"	33.00"	69.00"	47.00"	---	6.00"
	6.00"	40.00"	74.00"	52.00"	---	6.00"
Low Profile Multi-round housing for 4 or 6 Size #2 bags	Pipe Size	A	B	C	D	E
	2.00"	38.00"	63.23"	41.09"	21.14"	6.50"
	3.00"	40.00"	65.23"	43.09"	21.14"	7.50"
	4.00"	40.00"	65.23"	43.09"	21.14"	7.50"
	6.00"	42.00"	67.23"	45.00"	21.14"	8.50"

How To Order Multi-round Filter Bag Housings



- Carbon steel filter bag housings are made with carbon steel legs and include standard 304 stainless steel baskets.
- 304 stainless steel filter bag housings are made with 304 stainless steel legs and include standard 304 stainless steel baskets.
- We carry, in stock, the Model 22 - 4 bag - multi-round housings in Style 3, that have In-line bottom inlet and outlet (standard), in carbon steel and 304 stainless steel with 4" flanged connections.
- We carry, in stock, the Model 24 - 6 bag - multi-round housings in Style 3, that have In-line bottom inlet and outlet (standard), in carbon steel and 304 stainless steel with 6" flanged connections.