LeSac

High Capacity Basket Strainers High Capacity Bag Filters

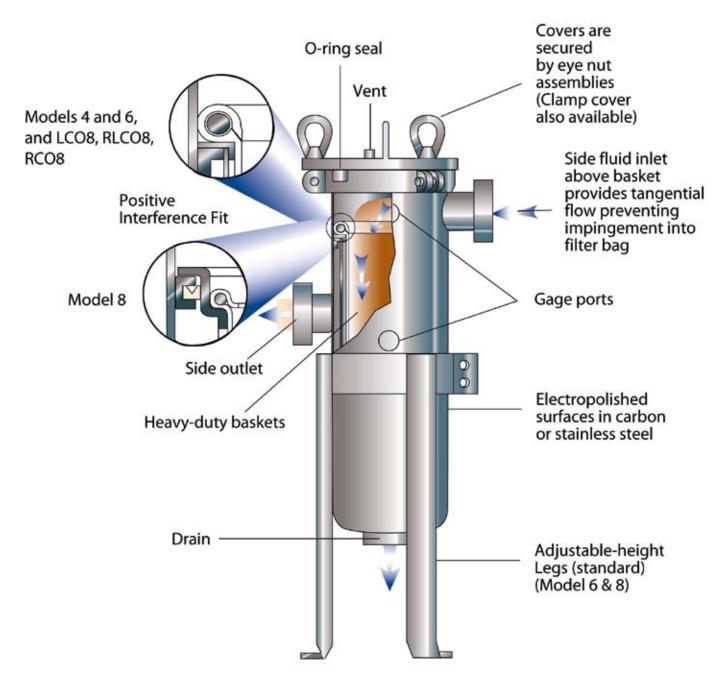
MODEL 4

MODEL 6





Single-Bag Filter Features



Typical Filter

Model 4 Basket Strainer and Bag Filters

Strainers or Bag Filters: Your Choice!

Model 4 strainer/filter housings are made in 2 sizes and 4 pressure ratings. In all cases, covers are easily removed without special tools, and the basket or bag is easily cleaned or replaced.

Features

- Low pressure drops
- Permanently piped housings
- Covers are O-ring sealed
- Carbon steel, or stainless steel
 (304 or 316) construction for housings
- All housings are electropolished to resist adhesion of dirt and scale
- Easy to clean
- Adjustable-height legs, optional
- O-ring seals: Buna N, EPR, Vito n®, Te flo n®
- ASME code stamp available on select models
- Liquid displacers for easier servicing
- Four pressure ratings: 200 psi (with clamp cover) and 150, 300, or 500 psi (with eyenut cover)
- Duplex units are available
- Pipe sizes 3/4 thru 2-inch, NPT or flanged (standard 150 class flange)
- Two basket depths: 6, or 12 inches (nominal)

Options

- Bag filter hold-down devices
- Sanitary construction
- Different outlet connections
- Higher pressure ratings
- Extra-length legs
- He at jacketing
- Epoxy coating
- Displacers
- Magnets



Covers are secured by three eyenut assemblies. One of them acts as a hinge, when the cover is opened.



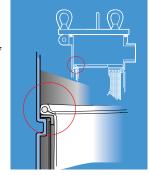
Choosing A Basket Strainer Or Bag Filter

Choose between straining (removing particles down to 74 micron size) or filtering a fluid (removing particles down to 1 micron). This will direct you to choose the correct basket when ordering.

Operation

Unfiltered liquid enters the housing above the bag or basket and passes down through them. Solids are contained inside the bag or basket, where they're easily and completely removed when the unit is serviced.

Fluid bypass around the basket is prevented because the outside diameter of the filter bag seals radially against the housing inside diameter. A single cover gasket is used to seal the opening, and covers can be installed and removed without tools.



Pressure Drop Data

Basket strainers 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 changeout should occur at 15 psid.

The pressure drop data is accurate for all housings with strainer or bag filter baskets. When bag filters are added, total pressure drop becomes the sum of the pressure drop 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.



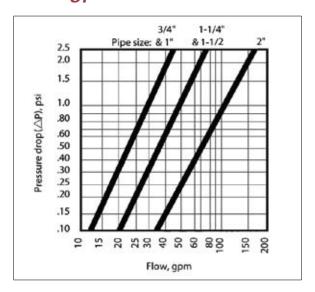
Clamp covers to the left and center, and eyenut cover to the right.

				Visc	cosity,	cps			
	1 (H ₂ 0)	50	100	200	400	600	800	1000	2000
Bag Style and	2-7								
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

Basket Data

Depth Nominal (inches)	Diameter (inches)	Surface Are a (sq. ft.)	Volume (cu. in.)	Bag Size No .
6 12	$\frac{3.9}{3.9}$	0.5 1.0	65 130	$\frac{3}{4}$

Model 4-For flow rates to 50 gpm*



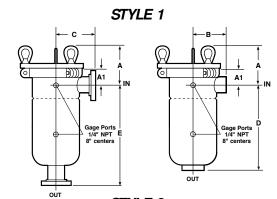
*Based on housing only. Fluid viscosity, bag filter used, and expected dirt loading should be considered when sizing a filter.

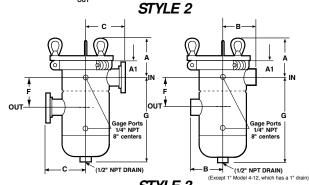
Dimensions (IN)

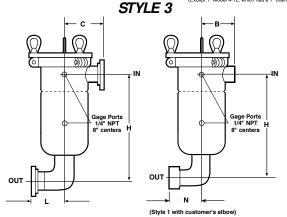
Cover Types EYENUT COVER ANSI flanged connections and 500 Se rie s w ith p ip ethreadsоит 🖒 A cle arance distance equal to basket depth must be available above housing for basket removal. Legs for Model 4 are optional at extra cost. 5/16 MOUNTING HOLES ON 6.75 DIA. CIRCLE CLAMP COVER Rate d 200 psiwithNPT connections оит-

Outlet Styles

Flanged Threaded (150 lb. ANSI) (NPT)





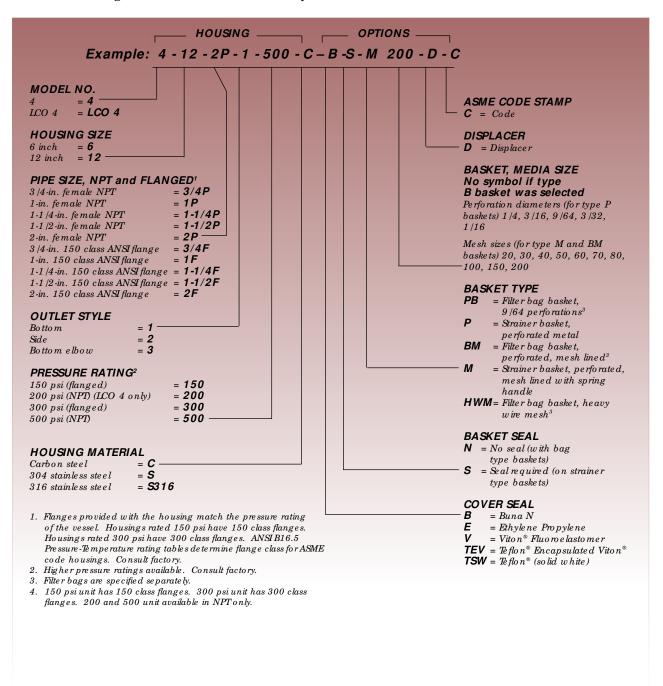


$\textbf{\textit{Dimensions}} \ ({\rm I\! N})$

Model	Pipe Size	Α	A1	A2	В	С	D	E	F	G	Н	L	N
4-6	3/4	5.5	1.9	2.3	3.5	5.0	10.0	12.0	4.5	10.1	10.5	4.0	2.0
	1	5.5	1.9	2.3	3.5	5.0	10.0	12.0	4.5	10.1	10.9	4.0	2.5
	1-1/4	6.1	2.5	2.9	3.5	5.0	9.4	12.0	4.5	9.5	10.6	4.0	2.9
	1-1/2	6.1	2.5	2.9	3.5	5.0	9.4	12.0	4.5	9.5	10.9	4.0	3.3
	2	6.1	2.5	2.9	3.5	5.0	9.3	12.0	4.5	9.5	11.6	5.0	4.0
4-12	3/4	5.5	1.9	2.3	3.5	5.0	16.0	18.0	4.5	16.1	16.5	4.0	2.0
	1	5.5	1.9	2.3	3.5	5.0	16.0	18.0	4.5	16.1	16.9	4.0	2.5
	1-1/4	6.1	2.5	2.9	3.5	5.0	15.4	18.0	4.5	15.5	16.6	4.0	2.9
	1-1/2	6.1	2.5	2.9	3.5	5.0	15.4	18.0	4.5	15.5	16.9	4.0	3.3
	2	6.1	2.5	2.9	3.5	5.0	16.3	18.0	4.5	15.5	17.6	5.0	4.0

How To Order

Build an ordering code as shown in the example



Model 6 Basket Strainer and Bag Filters

Strainers or Bag Filters: Your Choice!

Model 6 strainer/filter housings are made in 3 sizes and 3 pressure ratings, and can serve as basket strainers (for particle retention down to 74 micron size) or as bag filters (for particle retention down to 1 micron size). In all cases, covers are easily removed without special tools, and the basket or bag is easily cleaned or replaced.

Features

- Low pressure drops
- Permanently piped housings
- Covers are O-ring sealed Carbon steel, or stainless steel
- (304 or 316) construction for housings All housings are electropolished to
- re sist adhe sion of dirt and scale
- Easy to clean
- Adjustable-height legs, standard O-ring seals: Buna N, EPR,
- Vito $n^{\mathbb{B}}$, Te flo $n^{\mathbb{B}}$
- ASME code stamp available Three pressure ratings: 150, 210
- or 300 psi
- Duplex units are available
 Can provide 3.4 square feet of basket
 or bag surface area without need for
- ASME code construction Three basket depths: 12, 18, or 30
- inches (nominal)
 Special alloys

Options

- Sanitary construction
- Different outlet connections
- Higher pressure ratings
- Extra-length legs
- He at jacke ting
- Liquid displacers for easier servicing



Covers are secured by three eyenut assemblies. One of them acts as a hinge, when the cover is opened.



Choosing a Basket Strainer or Bag Filter

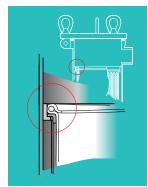
Choose between straining (removing particles down to 74 micron size) or filtering a fluid (removing particles down to 1 micron). This will direct you to the correct basket when ordering.

Operation

Unfiltered liquid enters the housing above the bag or basket and passes down through them. Solids are contained inside the bag or

basket, where they are easily and completely removed when the unit is serviced.

Fluid bypass around the basket is prevented because the outside diameter of the bag filter seals against the housing inside diameter.



A single cover gasket is used to seal the opening, and covers can be installed and removed without tools.

Pressure Drop Data

Basket strainers 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 should occur at 15 psid.

The pressure drop data is accurate for all housings with strainer or bag filter baskets. When bag filters are added, total pressure drop becomes the sum of the pressure drop as determined by the steps below, plus the pressure drop through the bag as defined in the Filter Bag section.

Follow these easy steps:

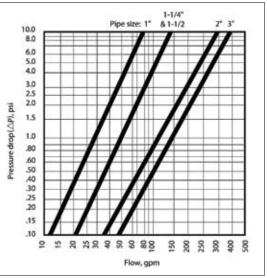
- 1. Using the desired pipe size and approximate flow rate, determine the basic pressure drop from the appropriate graph.
- 2. Multiply the pressure drop obtained in step 1 by the viscosity correction factor found in the accompanying table. This is the adjusted (clean) pressure drop for all baskets,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

				Viso	osity,				
	1 (H ₂ 0)	50	100	200	400	600	800	1000	2000
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

Basket Data

	Diameter (inches)	Surface Area (sq. ft.)	Volume (cu. in.)	Bag Size No.
12	5	1.3	235	7
18	5	2.0	350	8
30	5	3.4	630	9

Model 6-For flow rates to 100 gpm*

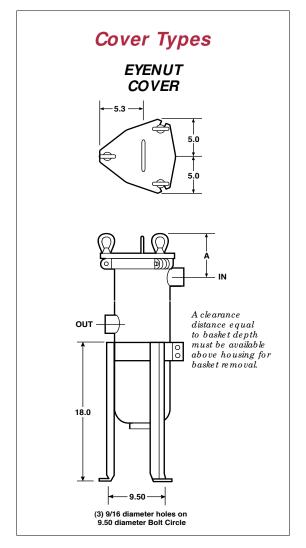


*Based on housing only. Fluid viscosity, bag filter used, and expected dirt loading should be considered when sizing a filter.



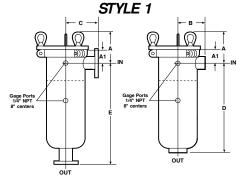
Eyenut covers with bag filter and basket or basket strainer.

Dimensions (IN)

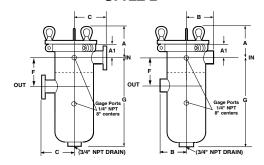


Outlet Styles

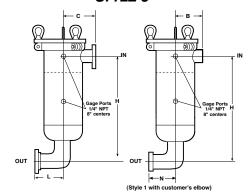
Flanged Threaded (150 lb. ANSI) (NPT)



STYLE 2



STYLE 3

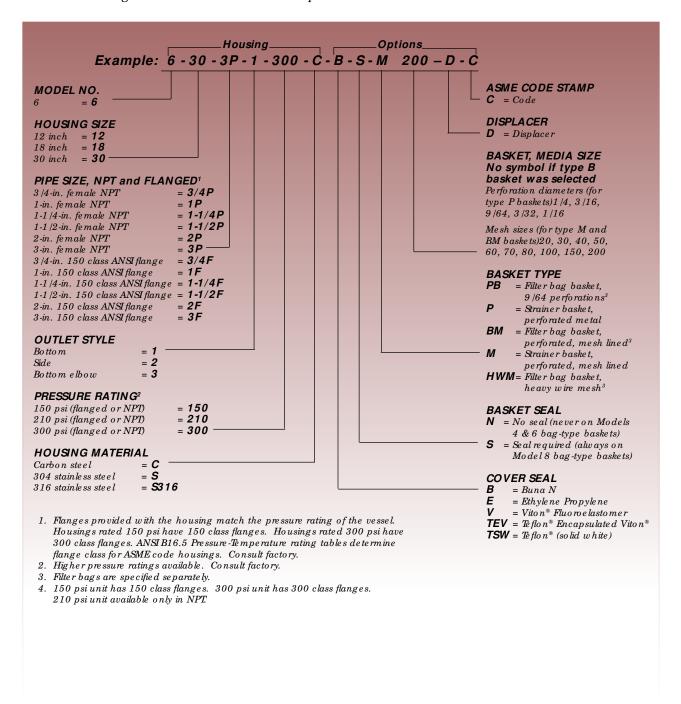


Dimensions (IN)

Model	Pipe Size	A	A1	В	С	D	E	F	G	Н	L	N
6-12	1	6.3	2.5	4.3	6.0	17.6	19.0	4.3	17.4	18.1	5.0	2.5
	1-1/4	6.3	2.5	4.3	6.0	17.6	19.0	4.7	17.4	18.4	5.0	2.9
	1-1/2	6.3	2.5	4.3	6.0	17.6	19.0	4.7	17.4	18.8	5.0	3.3
	2	7.1	3.4	4.3	6.0	16.6	19.0	6.6	16.5	18.6	5.0	4.0
	3	7.1	3.4	4.3	6.0	17.0	19.0	6.6	16.5	19.9	7.3	6.1
6-18	1	6.3	2.5	4.3	6.0	22.8	24.3	4.3	22.7	23.3	5.0	2.5
	1-1/4	6.3	2.5	4.3	6.0	22.8	24.3	4.7	22.7	23.7	5.0	2.9
	1-1/2	6.3	2.5	4.3	6.0	22.8	24.3	4.7	22.7	24.0	5.0	3.3
	2	7.1	3.4	4.3	6.0	21.8	24.3	6.6	21.8	23.8	5.0	4.0
	3	7.1	3.4	4.3	6.0	22.3	24.3	6.6	21.8	25.3	7.3	6.1
6-30	1	6.3	2.5	4.3	6.0	32.8	34.3	4.3	32.7	33.3	5.0	2.5
	1-1/4	6.3	2.5	4.3	6.0	32.8	34.3	4.7	32.7	33.7	5.0	2.9
	1-1/2	6.3	2.5	4.3	6.0	32.8	34.3	4.7	32.7	34.0	5.0	3.3
	2	7.1	3.4	4.3	6.0	31.8	34.3	6.6	31.8	33.8	5.0	4.0
	3	7.1	3.4	4.3	6.0	32.3	34.3	6.6	31.8	35.3	7.3	6.1

How To Order

Build an ordering code as shown in the example



Model 8 Basket Strainer and Bag Filters

Strainers or bag filters: Your choice!

Model 8 strainer/filter housings are made in 2 sizes and 2 pressure ratings, and can serve as basket strainers (for particle retention down to 74 micron size) or as bag filters (for particle retention down to 1 micron size). In all cases, covers are easily removed, without tools, and the basket or bag is easily cleaned or replaced.

Features

- Low pressure drops
- Permanently piped housings
- Covers are O-ring sealed
- Carbon steel, or stainless steel
 (304 or 316) construction for housings
- All housings are electropolished to resist adhesion of dirt and scale
- Easy to clean
- Adjustable-height legs, standard
- Large-area, heavy-duty baskets
- O-ring se als: Buna N, EPR, Vito n®, Te flo n®
- ASME code stamp available
- Two pressure ratings: 150 and 300
- Duplex units are available
- Pipe sizes 3/4 thru 6-inch, NPT or flanged
- Two basket depths: 15 or 30 inches (nominal)

Options

- Sanitary construction
- Different outlet connections
- Higher pressure ratings
- Extra-length legs
- He at jacketing
- Adapters for holding filter cartridges
- Liquid displacers for easier servicing
- Can be fitted with an adapter to hold cartridge filter elements



Covers are secured by three eyenut assemblies. One of them acts as a hinge, when the cover is opened.



Dual Stage Straining/Filter

All Model 8 housings can be supplied with a second, inner basket, which is supported on the top flange of the regular basket. Both baskets can be strainers (with or without wire mesh linings) or both can be baskets for filter bags. They can also be mixed: one a strainer basket, the other a filter bag basket. Dual-stage action will increase strainer or filter life and reduce servicing needs.

Choosing A Basket Strainer Or Bag Filter

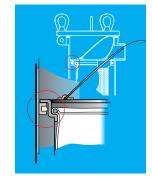
Choose between straining (removing particles down to 74 micron size) or filtering a fluid (removing particles down to 1 micron). This will direct you in selecting the correct basket when ordering.

Operation

Unfiltered liquid enters the housing above the bag or basket and passes down through them. Solids are contained inside the bag or basket, where they are easily

removed when the unit is serviced.

A basket bail is pushed down by the closed cover to hold the basket against a positive stop in the housing. A radial seal prevents bypass of unfiltered liquid.



Pressure Drop Data

Basket strainers 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 occurs at 15 psid.

The pressure drop data is accurate for all housings with strainer or filter bag baskets. When filter bags are added, total pressure drop becomes the sum of the pressure drop as determined by the steps below.

Follow these easy steps:

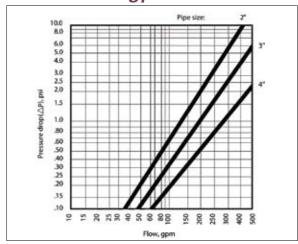
- 1. Using the desired pipe size and approximate flow rate, determine the basic pressure drop from the appropriate graph.
- 2. Multiply the pressure drop obtained in step 1 by the viscosity correction factor found in the accompanying table. This is the adjusted (clean) pressure drop for all baskets without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

Basket Data

Depth Nominal (inches)	Diameter (inches)	Surface Are a (sq. ft.)	Volume (cu. in.)	Bag Size No .
15	6.7	2.3	500	1
30	6.7	4.4	1000	2

				Vis	cosity,	cps			
	1 (H ₂ 0)	50	100	200	400		800	1000	2000
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 8-For flow rates to 220 gpm*



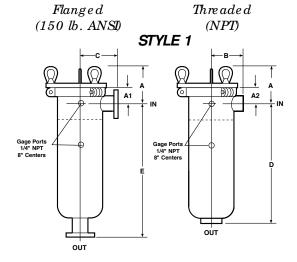
*Based on housing only. Fluid viscosity, filter bag used, and expected dirt loading should be considered when sizing a filter.



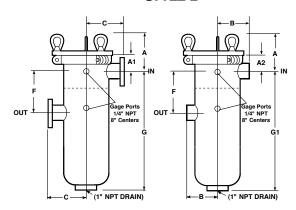
Eyenut covers with filter bag and basket.

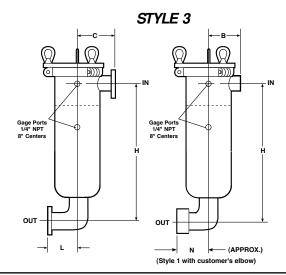
Dimensions (IN)

Outlet Styles

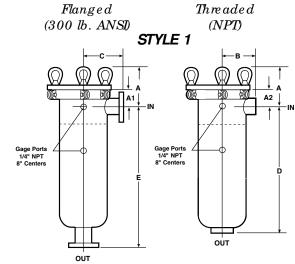


STYLE 2

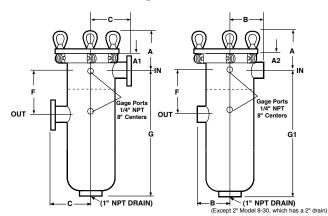


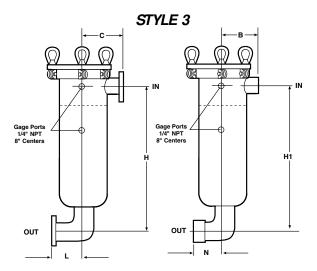


Outlet Styles

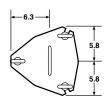


STYLE 2

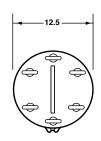




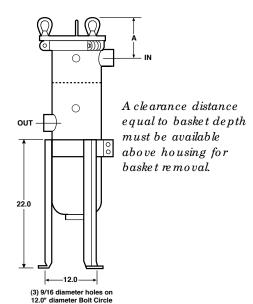
Cover Types

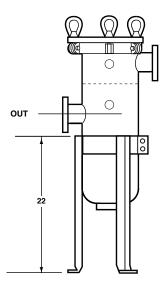


150 PSIG Design



300 PSIG Design





Dimensions (IN) 150 PSIG Design

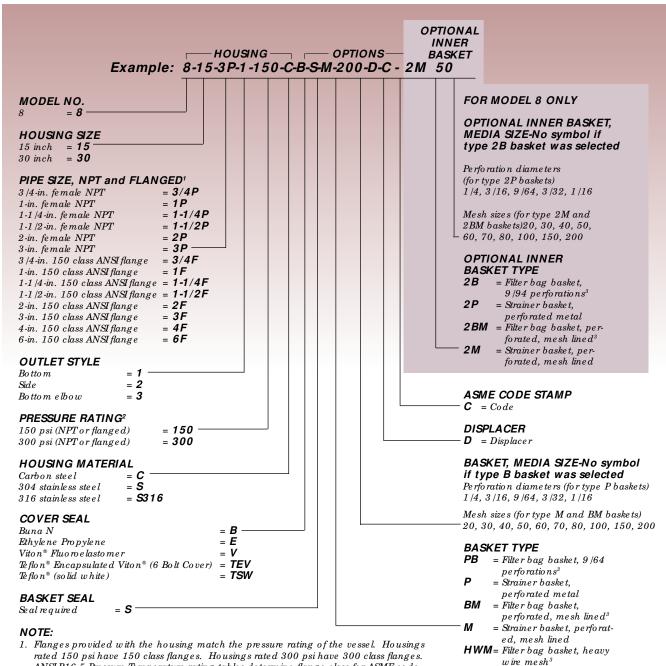
Model	Pipe Size	A	A1	A2	В	С	D	E	F	G	G1	Н	Н1	L	N
8-15	2	6.6	2.9	2.9	5.9	7.5	21.2	23.5	4.9	21.0	21.0	23.2	23.2	5.0	4.06
	3	7.5	3.7	3.7	6.8	7.5	22.5	24.6	6.6	21.9	21.9	25.4	25.4	7.25	6.12
	4	7.5	3.7	5.0	6.8	8.6	22.5	25.1	8.4	21.9	20.6	26.8	25.6	9.0	7.75
	6	9.0	5.2	5.9	7.1	8.6	23.6	26.0	9.0	23.4	22.8	30.9	30.3	12.5	11.0
8-30	2	6.6	2.8	2.9	5.9	7.5	36.2	38.5	4.9	36.0	36.0	38.2	38.2	5.0	4.06
	3	7.5	3.7	3.7	6.7	7.5	37.5	39.6	6.6	36.9	36.9	40.4	40.4	7.25	6.12
	4	7.5	3.7	5.0	6.7	8.6	37.5	40.1	8.4	36.9	35.6	41.8	40.6	9.0	7.75
	6	9.0	5.2	5.9	7.1	8.6	38.6	41.0	9.0	38.4	37.8	45.9	45.3	12.5	11.0

Dimensions (IN) 300 PSIG Design

Pipe Size	Α	A1/A2	В	С	D	E	F	G/G1	H/H1	L	N
2	7.6	3.8	5.9	7.5	21.2	23.5	4.9	21.0	23.2	5.0	4.06
3	8.9	5.0	6.8	8.6	22.5	24.6	6.6	21.9	25.4	7.25	6.12
4	8.9	5.0	6.8	9.6	22.5	25.1	8.4	21.9	26.8	9.0	7.75
6	10.1	6.2	6.3	10.0	23.6	26.0	9.0	23.4	30.9	12.5	11.0
2	7.6	3.8	5.9	7.5	36.0	38.5	4.9	36.0	38.2	5.0	4.06
3	8.9	5.0	6.8	7.5	36.7	39.6	6.6	36.9	40.4	7.25	6.12
4	8.9	5.0	6.8	8.6	36.5	40.1	8.4	36.9	41.8	9.0	7.75
6	10.1	6.2	7.1	8.6	38.6	41.0	9.0	38.4	45.9	12.5	11.0
	\$\frac{1}{2} & 3 & 4 & 6 & \\ 2 & 3 & 4 & \\ 4 & 4 & 4 & \\ 2 & 3 & 4 & \\ 4 & 4 & \\ 2 & 3 & 4 & \\ \ 2 & 3 & 4 & \\ \ 3 & 4 & \\ \ 4 & \\ \ \ \ \ \ \ \ \ \ \ \	2 7.6 3 8.9 4 8.9 6 10.1 2 7.6 3 8.9 4 8.9	2 7.6 3.8 3 8.9 5.0 4 8.9 5.0 6 10.1 6.2 2 7.6 3.8 3 8.9 5.0 4 8.9 5.0	Size 2 7.6 3.8 5.9 3 8.9 5.0 6.8 4 8.9 5.0 6.8 6 10.1 6.2 6.3 2 7.6 3.8 5.9 3 8.9 5.0 6.8 4 8.9 5.0 6.8	Size 2 7.6 3.8 5.9 7.5 3 8.9 5.0 6.8 8.6 4 8.9 5.0 6.8 9.6 6 10.1 6.2 6.3 10.0 2 7.6 3.8 5.9 7.5 3 8.9 5.0 6.8 7.5 4 8.9 5.0 6.8 8.6	Size 2 7.6 3.8 5.9 7.5 21.2 3 8.9 5.0 6.8 8.6 22.5 4 8.9 5.0 6.8 9.6 22.5 6 10.1 6.2 6.3 10.0 23.6 2 7.6 3.8 5.9 7.5 36.0 3 8.9 5.0 6.8 7.5 36.7 4 8.9 5.0 6.8 8.6 36.5	Size 2 7.6 3.8 5.9 7.5 21.2 23.5 3 8.9 5.0 6.8 8.6 22.5 24.6 4 8.9 5.0 6.8 9.6 22.5 25.1 6 10.1 6.2 6.3 10.0 23.6 26.0 2 7.6 3.8 5.9 7.5 36.0 38.5 3 8.9 5.0 6.8 7.5 36.7 39.6 4 8.9 5.0 6.8 8.6 36.5 40.1	Size 2 7.6 3.8 5.9 7.5 21.2 23.5 4.9 3 8.9 5.0 6.8 8.6 22.5 24.6 6.6 4 8.9 5.0 6.8 9.6 22.5 25.1 8.4 6 10.1 6.2 6.3 10.0 23.6 26.0 9.0 2 7.6 3.8 5.9 7.5 36.0 38.5 4.9 3 8.9 5.0 6.8 7.5 36.7 39.6 6.6 4 8.9 5.0 6.8 8.6 36.5 40.1 8.4	Size 2 7.6 3.8 5.9 7.5 21.2 23.5 4.9 21.0 3 8.9 5.0 6.8 8.6 22.5 24.6 6.6 21.9 4 8.9 5.0 6.8 9.6 22.5 25.1 8.4 21.9 6 10.1 6.2 6.3 10.0 23.6 26.0 9.0 23.4 2 7.6 3.8 5.9 7.5 36.0 38.5 4.9 36.0 3 8.9 5.0 6.8 7.5 36.7 39.6 6.6 36.9 4 8.9 5.0 6.8 8.6 36.5 40.1 8.4 36.9	Size 2 7.6 3.8 5.9 7.5 21.2 23.5 4.9 21.0 23.2 3 8.9 5.0 6.8 8.6 22.5 24.6 6.6 21.9 25.4 4 8.9 5.0 6.8 9.6 22.5 25.1 8.4 21.9 26.8 6 10.1 6.2 6.3 10.0 23.6 26.0 9.0 23.4 30.9 2 7.6 3.8 5.9 7.5 36.0 38.5 4.9 36.0 38.2 3 8.9 5.0 6.8 7.5 36.7 39.6 6.6 36.9 40.4 4 8.9 5.0 6.8 8.6 36.5 40.1 8.4 36.9 41.8	Size 2 7.6 3.8 5.9 7.5 21.2 23.5 4.9 21.0 23.2 5.0 3 8.9 5.0 6.8 8.6 22.5 24.6 6.6 21.9 25.4 7.25 4 8.9 5.0 6.8 9.6 22.5 25.1 8.4 21.9 26.8 9.0 6 10.1 6.2 6.3 10.0 23.6 26.0 9.0 23.4 30.9 12.5 2 7.6 3.8 5.9 7.5 36.0 38.5 4.9 36.0 38.2 5.0 3 8.9 5.0 6.8 7.5 36.7 39.6 6.6 36.9 40.4 7.25 4 8.9 5.0 6.8 8.6 36.5 40.1 8.4 36.9 41.8 9.0

How To Order

Build an ordering code as shown in the example



- ANSI B16.5 Pressure-Temperature rating tables determine flange class for ASME code housings. Consult factory.
- 2. Higher pressure ratings available. Consult factory.
- 3. Filter bags are specified separately.
- 4. 150 psi unit has 150 class flanges. 300 psi unit has 300 class flanges.

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