

R Aluminum Housings Spark Free, Heavy Duty Housings!

Economical aluminum AL Series housings for commercial, industrial and process applications. Aluminum can be used in place of carbon steel, stainless steel or plastic in many applications with superior results. It is especially effective in water and water based applications such as machine tool coolants and cooling towers. Also ideal for diesel, oils, and fuels, as well as many others.

FEATURES

- 3/4" through 3" pipes sizes
- NPT connections
- Light weight lid with handle
- O-ring sealed
- Max temp. 250°F
- Pressure ratings to 300 PSI
- Strainer baskets optional
- 5 outlet styles
- Stainless steel filter bag baskets
- Tripod legs

Housing	Bag Size	Sq. Area	Maximum Flow	
			GPM	M ³ /H
Model 50	3	0.5	20	4
	4	1.0	40	8
Model 66	7	1.5	60	12
	8	2.0	80	16
Model 80	9	3.0	120	24
	1	2.0	80	16
	2	4.5	180	36

PRESSURE DROP DATA

Chart shows clean pressure drop of housing with basket.

Viscosity CPS								
1 (H ₂ O)	50	100	200	400	600	800	1000	2000
1.0	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.8

STRAINERS OR BAG FILTERS

High-Capacity Strainer Baskets





High-Capacity Filter Bags



All housings are available with perforated or mesh lined cleanable strainer baskets in place of filter bag baskets. These baskets can be perforated or mesh lined, with handle.

Filter bag sizes are industry standard sizes, and are offered in polyester, polypropylene and nylon materials in micron ratings of 1 to 1000. Filter bags are ordered separately.

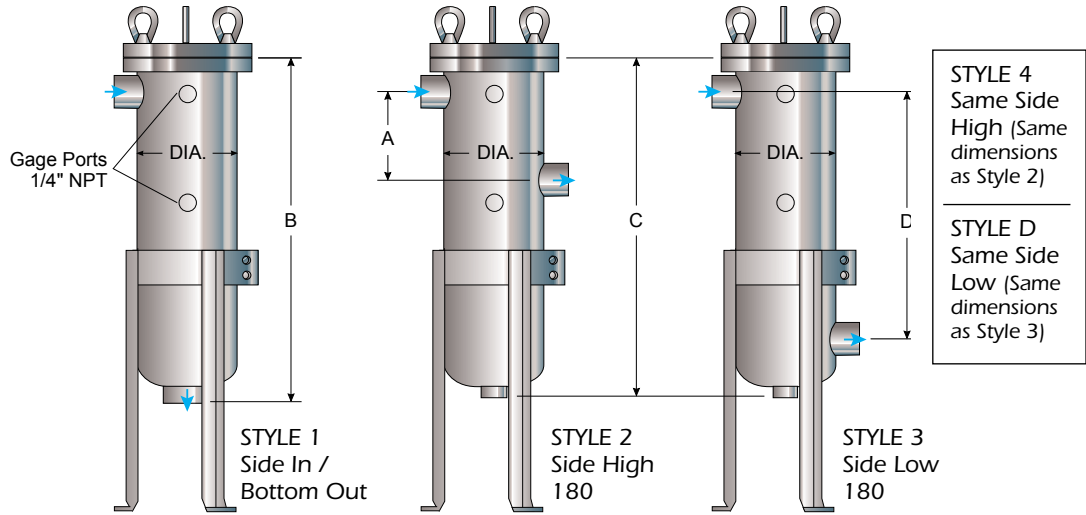
Pipe size: 3/4" & 1" 1-1/4" & 1-1/2" 2" 3"



The chart shows pressure drop curves for pipe sizes 3/4" & 1", 1-1/4" & 1-1/2", 2", and 3". The y-axis is Pressure drop (ΔP) in psi (0.10 to 4.0) and the x-axis is Flow in GPM (M3/H) (10 to 500). Pressure drop increases with flow and decreases with larger pipe sizes.

R Dimensions

Approximate in Inches



Model 50				Size 3				Size 4				Size 3			Size 4		
Dia.	Pipe Size NPT	A		B	C	D	B	C	D	B	C	D	B	C	D		
		IN.	MM													INCHES	
5.0 IN. 127. MM	0.75	3.0	76.	12.0	11.9	6.0	18.0	17.9	12.0	304.	302.	152.	457.	454.	304.		
	1.00	3.0	76.	12.4	12.2		18.4	18.2		314.	309.		467.	462.			
	1.25	4.3	109.	12.8	12.8		18.8	18.8		325.	325.		477.	477.			
	1.50	4.3	109.	13.2	12.8		19.2	18.8		335.	325.		487.	477.			
	2.00	4.8	121.	13.8	13.3		19.8	19.3		350.	337.		502.	490.			

Model 66				Size 7			Size 8			Size 9			Size 7			Size 8			Size 9		
Dia.	Pipe Size NPT	A		B	C	D	B	C	D	B	C	D	B	C	D	B	C	D	B	C	D
		IN.	MM																		
6.625 IN. 168. MM	0.75	3.0	76.2	19.9	19.9	13.5	24.4	24.4	18.0	33.9	33.9	27.5	505.	505.	342.	619.	619.	457.	861.	861.	698.
	1.00	3.0	76.2	20.3	20.2		24.8	24.7		34.3	34.2		505.	513.		629.	627.		871.	868.	
	1.25	4.3	109.	20.8	20.6		25.3	25.1		34.8	34.6		528.	523.		642.	637.		883.	878.	
	1.50	4.3	109.	21.1	20.8		25.6	25.3		35.1	34.8		535.	528.		650.	642.		891.	883.	
	2.00	4.8	121.	21.7	21.3		26.2	25.8		35.7	35.3		551.	541.		665.	655.		906.	896.	
	3.00	6.3	160.	23.0	22.5		27.5	27.0		37.0	36.5		584.	571.		698.	685.		939.	927.	

Model 80				Size 1			Size 2			Size 1			Size 2		
Dia.	Pipe Size NPT	A		B	C	D	B	C	D	B	C	D	B	C	D
		IN.	MM												
8.0 IN. 203 MM	0.75	3.0	76.2	19.9	19.9	13.0	33.9	33.9	27.0	505.	505.	330.	861.	861.	685.
	1.00	3.0	76.2	20.3	20.2		34.3	34.2		515.	513.		871.	868.	
	1.25	4.3	109.	20.8	20.6		34.8	34.8		528.	523.		883.	883.	
	1.50	4.3	109.	21.1	20.8		35.1	34.8		535.	528.		891.	883.	
	2.00	4.8	121.	21.7	21.3		35.7	35.3		551.	541.		906.	896.	
	3.00	6.3	160.	23.1	22.5		37.1	36.5		586.	571.		924.	927.	

Dimensions are reference only and not to be used for hard plumbing. Consult factory for certified drawings.

R How To Order

Build an ordering code as shown in the example

OPTIONAL

EXAMPLE: **66 - 18 - 2P - 4 - 150 - AL - B - PB - CL**

<p>MODEL NUMBER: Model 50 = 50 Model 66 = 66 Model 80 = 80</p> <p>HOUSING SIZE Model 50 only: Size 3 -6" long basket = 6 Size 4 -12" long basket = 12 Model 66 only: Size 7 -14" long basket = 12 Size 8 -18" long basket = 18 Size 9 -28" long basket = 30 Model 80 only: Size 1 -14" long basket = 15 Size 2 -28" long basket = 30</p> <p>INLET & OUTLET SIZE All Models: NPT Connections 3/4" = 3/4P 1" = 1P 1-1/4" = 1-1/4P 1-1/2" = 1-1/2P 2" = 2P Model 66 and 80 only: 3" = 3.0P</p> <p>OUTLET STYLE Bottom = 1 Side High 180 = 2 Side Low 180 = 3 Same Side High = 4 Same Side Low = D</p>	<p>TRIPOD LEG ASSEMBLY CL = Carbon Steel Legs SL = Stainless Steel Legs NL = No Legs</p> <p>BASKET TYPE PB = Perforated bag, 9/64" perforations P (*) = Strainer basket, perforated metal *P1/16", P3/32", P1/8", P9/64", P1/4" M (*) = Filter bag basket, perforated, mesh lined *M20, M30, M40, M50, M60, M70, M100, M150, M200</p> <p>COVER GASKET B = Buna N E = Ethylene Propylene V = Viton Fluoroelastomer</p> <p>HOUSING MATERIAL AL = Aluminum</p> <p>PRESSURE RATING 300 = Model 50 only: 300 psi 150 = Model 66 only: 150 psi 125 = Model 80 only: 125 psi</p>
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