

MAHLE

Industry

Cast Y Strainer Housings Nowata KY Series ANSI 150 Class

Flanged-Raised Face Connections
Sizes 1/2" to 12"

Request a Quote Today!

1. Introduction

The KY series cast Y strainer housings effectively remove dirt, pipe scale, and other contaminants from process liquids such as water, chemical and petroleum products in many industrial filter applications.

These ANSI class 150 strainers have raised face, flanged ends with sizes available from 1/2 to 12 inches (call factory for larger sizes). Standard housing material is either 316 stainless steel or carbon steel. Housings come equipped with a 1/16 inch perforated 304 stainless steel basket. Custom perforation sizes are also available. The KY series strainers are ideal for petroleum, petrochemical and industrial filtration applications that have higher temperature and pressure requirements.

Features

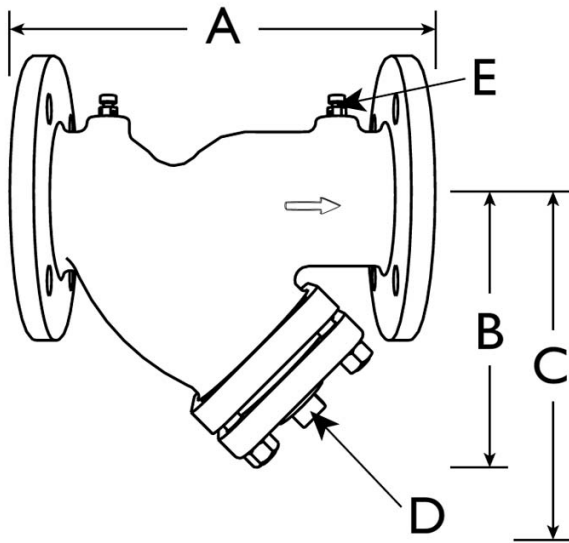
- Cast carbon steel or 316 stainless steel bodies
- ANSI class 150 rating RF flanges
- Gauge taps provided on inlet/outlet connections
- 304 non-asbestos flat gasket seal standard, (other materials available)
- Bolted flange closure is standard
- Optional cover designs available (ie. swing, clamp or hinge type)
- Precision machined basket seat
- Tapped NPT blow-off and drain with plug
- Large open area - minimum 2.5 times larger than the corresponding pipe
- Raised face flanges with bolt holes accommodate spot faced or back faced
- 304 SS perforated screen included as standard
- Optional gasket material and alloy body material are available



2. Dimensions

Dimensional Data	Inlet and Outlet Size											
	1/2	3/4	1	1-1/2	2	2-1/2	3	4	6	8	10	12
A Face to Face (+/- 1/16")	6.5	7.37	7.37	7.12	7.87	9.75	10.06	12.12	18.5	21.37	26	29.87
B Center Line to Bottom	3.5	3.75	3.75	4.75	5.25	6.5	7.0	8.25	13.5	15.5	18.5	22.25
C Clearance for Screen Removal	5.0	5.0	5.0	7.0	7.0	9.75	10	12	20	22.75	28	30
D NPT Blow-Off	0.375	0.5	0.5	0.5	0.5	1.0	1.0	1.5	2.0	2.0	2.0	2.0
E NPT Plug/Guage Taps	N/A	N/A	N/A	N/A	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Assembled Weight (Lbs.)	CF	10.3	10.3	12.5	21	32	35	55	140	220	356	644
Flow Coefficient Cv	CF	CF	CF	42	70	110	160	260	570	950	1600	2200

CF = Consult Factory for more information. Call factory for sizes and dimensions not listed.



All dimensions are in inches, except where noted. Housing dimensions are approximate values and are not intended for piping specifications.

Due to our continuing program of product improvement, dimensions are for reference only and subject to change without notice.

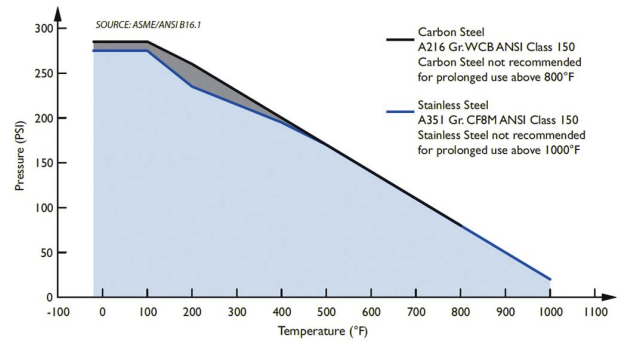
Connection sizes from 1/2" to 12", raised-face, flanged ends.

Standard Screen Selections				
Inlet/Outlet Sizes	Water Service	Open Area	Steam	Open Area
1/2" to 4"	1/16 (0.0625)	41%	1/32 (0.033)	28%
5" to 8"	1/8 (0.125)	40%	3/64 (0.045)	36%
10" to 12"	1/8 (0.125)	40%	30 mesh lined	44.8%

3. Additional Information

ANSI Class 150 Strainers Working Pressures & Temperatures (non-shock)		
ANSI Class 150	KY Series Carbon Steel (A216 Gr WCB)	KY Series 316 Stainless Steel (A351 Gr CF8M)
W.O.G. (Water, Oil, Gas)	285 psi at 100 °F	275 psi at 100 °F
Saturated Steam	150 psi at 366 °F	150 psi at 366 °F
Maximum Liquid	80 psi at 800 °F	20 psi at 1000 °F

Temperature - Pressure Ratings



4. Typical Model Number

Example

K	Y	S	15	F	2	F	B
Nowata Strainer							
K = Nowata strainer							
Cast Type							
Y = Y style model							
Body Material							
S = 316 stainless steel							
C = Carbon steel							
Pressure rating							
15 = 150 psi							
Connection Type							
F = Flanged							
Connection Size Options							
G = 1/2"		3 = 3"					
H = 3/4"		4 = 4"					
1 = 1"		6 = 6"					
K = 1-1/2"		8 = 8"					
2 = 2"		10 = 10"					
L = 2-1/2"		12 = 12"					
Seal Material							
F = Flat gasket							
N = Buna-N							
V = Viton							
Closure Type							
B = Bolted flange							
C = Clamp style							
Q = Bolted quick opening							



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