

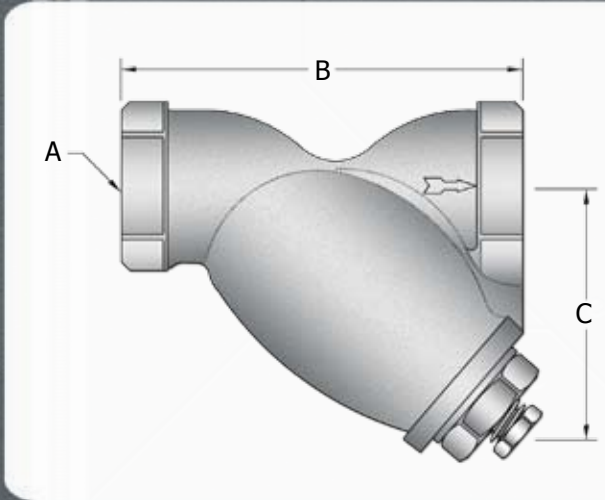


YSSS SERIES Y - STRAINER



Features:

- Stainless Steel Y Strainer 1/4" to 3"
- ANSI Class 600Lb
- Investment Casting Body & Cap
- NPT Threaded Standard
- Available in Socket Weld Consult Factory
- 1440 psi @ 100°F WOG
- 700 psi @ 1000°F WOG
- 600 psi @ 489°F Saturated Steam Non-Shock

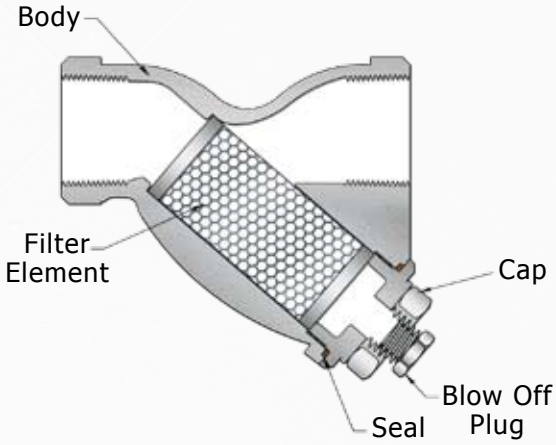


Dimensions

PART #	A	B	C	Cv
YSSS-2	1/4"	2.93	2.37	7
YSSS-3	3/8"	2.93	2.37	7
YSSS-4	1/2"	2.93	2.37	9.4
YSSS-6	3/4"	3.68	2.81	18
YSSS-8	1"	4.56	3.68	30
YSSS-10	1-1/4"	4.93	4.12	45
YSSS-12	1-1/2"	5.56	4.75	63
YSSS-16	2"	6.93	6.00	98
YSSS-20	2-1/2"	12.0	10.50	130
YSSS-24	3"	12.0	10.50	180

Bill of Materials

PART #	Body & Cap	Filter Element	Seal	Blow Off Plug
YSSS-2	ASTM A351 CF8M/316	304 Stainless Steel Std Screens: Water Screens- 0.062 Steam Screens- 0.033 (other options available, consult factory)	Spiral Wound Stainless Steel Non- Asbestos	316 Stainless Steel
YSSS-3				
YSSS-4				
YSSS-6				
YSSS-8				
YSSS-10				
YSSS-12				
YSSS-16				
YSSS-20				
YSSS-24				



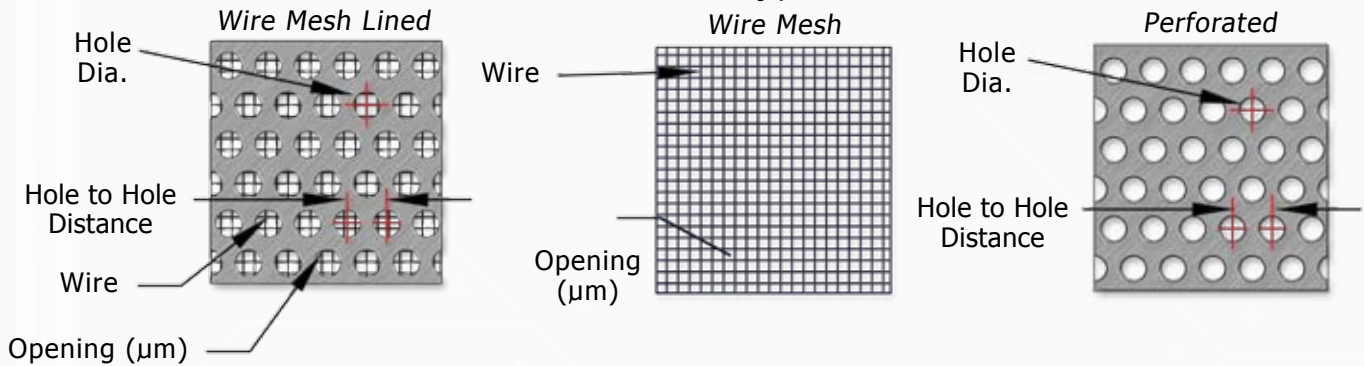


Y-Strainer Filter Material Data

General Recommended Sizes By Application

Pipe Size	Filtering Grade	Media					
		Air/Gas	Oil			Steam	Water
			Low Viscosity	Medium Viscosity	High Viscosity		
1/2" Through 2"	Coarse	1/32" Perf	1/16" Perf	1/10" Perf	1/8" Perf	1/32" Perf	1/32" Perf
	Medium	60 Mesh	1/32" Perf	1/16" Perf	1/10" Perf	30 Mesh	20 Mesh
	Fine	100 Mesh	30 Mesh	20 Mesh	1/16" Perf	60 Mesh	30 Mesh
2-1/2" Through 4"	Coarse	1/16" Perf	3/16" Perf	1/4" Perf	3/8" Perf	3/64" Perf	1/8" Perf
	Medium	3/64" Perf	1/8" Perf	3/16" Perf	1/4" Perf	1/32" Perf	1/16" Perf
	Fine	60 Mesh	3/16" Perf	1/8" Perf	3/16" Perf	30 Mesh	3/64" Perf

Screen Types



Standard Perf. Sizes

Hole Diameter	Distance hole to hole	% Open Area
1/32"	.055	28
3/64"	.066	36
1/16"	.093	41
1/8"	.187	40
5/32"	.187	63
1/4"	.312	58

Standard Mesh Sizes

Mesh (Linear in)	Micron (µm)	Wire Diameter
20	914	.014
30	566	.011
40	381	.010
60	246	.007
80	190	.005
100	139	.0045

NOTES:

- 1.) Unsupported wire mesh strainers are recommended for 2" and under line size not exceeding 200 psi. Anything over these values should use wire mesh lined strainer elements. The most common backing is 5/32" perf.
- 2.) To determine strainer rating, consult engineer. Single strainer applications should be approx. 1/2 opening size of largest projected particle to be strained. However, a good rule of thumb is to not exceed 20 psi drop across a strainer. If exceeding this value, straining may need to be staged with more than one strainer in line. Start with coarse straining and integrate finer additional strainers with finer elements down stream.
- 3.) All strainer mesh and perforated screen 304 stainless steel. Other materials available upon request. (316 SS, Monel)
- 4.) A wide array of nonstandard mesh and perf sizes are available. consult factory for more information.

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