

TITAN

CAST IRON • WYE TYPE STRAINER

Screwed End Design



Model YS12-CI

Sizes 1/4" thru 3"

ANSI 250 lb Class

CAST IRON ASTM A126

Working Pressures - Non Shock

400 PSI @ 150° F

200 PSI @ 406° F

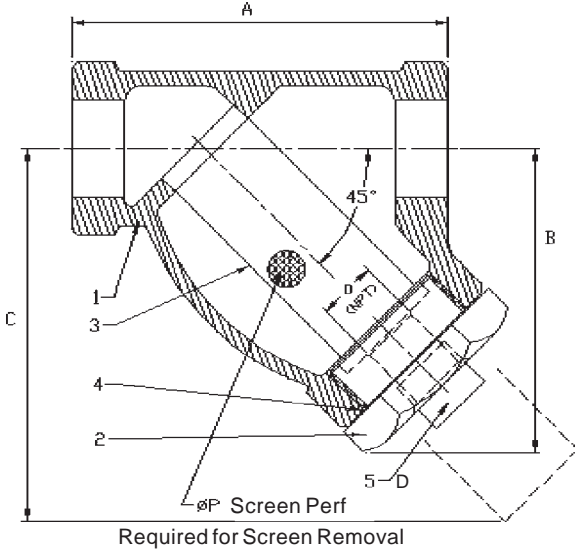
Features:

- Self Cleaning Type
- Easily Removable Gasketed Screen Caps
- Straight Threads on Cap Permit Easy Removal when the Screen must be Cleaned. Also Helps to Assure Proper Alignment of the Screen When Reassembled.
- Machined Screen Seat (Enables Fine Filtrations)
- Tapped NPT Blow-off
- Drain/Blow-off Connection Furnished with Plug as Standard
- Strainer has Large Open Area - Minimum 2.5x Larger than Corresponding Pipe Size. Ensures Low Pressure Loss
- Epoxy Coating is Standard
- Hex Ends for Easy Installation
- Military Specifications with Bronze Blow-off Plug

Economical Design, Ideal for HVAC, Commercial and Industrial Applications.

Titan Design - Technical Data

Model YS12-CI



BILL OF MATERIALS:

ITEM	NAME	MATERIAL
1	Body	Cast Iron ASTM A126 Gr. B
2	Cap	Cast Iron ASTM A126 Gr. B
3	Screen*	Stainless Steel
4	Gasket*	Garlock
5	Blow-off Plug	Steel

* Recommended spare parts

Type 1 - Style

Meets Mil Spec WW-S-2739

When Furnished with Bronze Blow-Off Plug

*Designed in Accordance with ASME B16.4
All Units Feature External Coating As Standard*

Size (nominal)		Dimension												Weight (dry)	
		A		B		C		D		p steam		p water/oil			
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
1/4"	8	3.18	81	2.06	52	2.37	60	1/4	6	30 Mesh	0.595	20 Mesh	0.841	1.6	0.72
3/8"	10	3.18	81	2.06	52	2.37	60	1/4	6	30 Mesh	0.595	20 Mesh	0.841	1.6	0.72
1/2"	15	3.18	81	2.06	52	2.37	60	1/4	6	30 Mesh	0.595	20 Mesh	0.841	1.6	0.72
3/4"	20	3.75	95	2.43	62	3	76	3/8	9	30 Mesh	0.595	20 Mesh	0.841	2.4	1.08
1"	25	4	102	2.62	67	3.25	83	3/8	9	30 Mesh	0.595	20 Mesh	0.841	3	1.36
1-1/4"	32	5	127	3.37	86	4.25	106	3/4	19	30 Mesh	0.595	20 Mesh	0.841	5.2	2.3
1-1/2"	40	5.75	146	3.87	98	5	127	3/4	19	30 Mesh	0.595	20 Mesh	0.841	9	2.6
2"	50	7	177	4.75	121	6.12	155	1	25	30 Mesh	0.595	20 Mesh	0.841	12.5	5.7
2-1/2"	65	9.25	234	5.87	149	7.87	200	1 1/2	38	0.045	1	0.062	1.5	22	10
3"	80	10	254	6	152	8	203	1 1/2	38	0.045	1	0.062	1.5	30	13.6

Standard Screen Selection

Size	Water Service	Open Area	Steam Service	Open Area
1/4" thru 2"	20 mesh	52%	30 mesh	41%
2-1/2" thru 3"	1/16 perf.	37%	3/64 perf.	36%

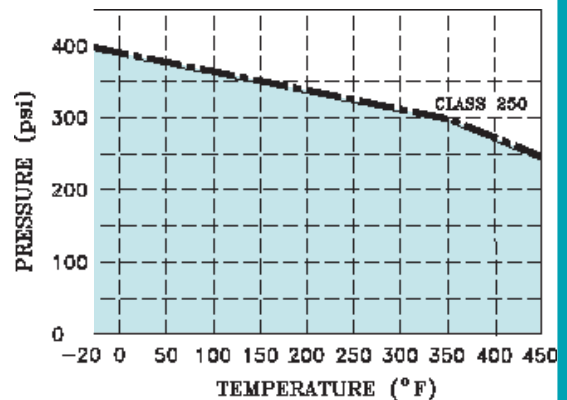
A wide range of optional wire mesh and perforated metals are available upon request, C/F.
Optional magnetic screen assembly are available, C/F.

TESTING

All Strainers Individually Hydrostatically Tested in Accordance with ANSI Test Specifications.

Pressure Class 250 PRESSURE & TEMPERATURE CHART

(Accordance with ASME B16.4)



Working Pressure - Nonshock
Lower Temperature Limit -20°F/-28.9°C

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