



## CAST IRON • WYE TYPE STRAINER

### Screwed End Design



## Model YS12-CI

Sizes 1/4" thru 3"


### 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.*

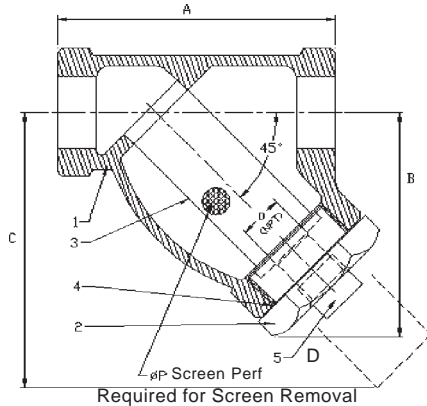


**TITAN FLOW CONTROL**  
LUMBERTON, NC USA

CAST IRON WYE TYPE STRAINER  
SCREWED END DESIGN  
MODEL YS12-CI

**RATING:**  
ANSI  
250

**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

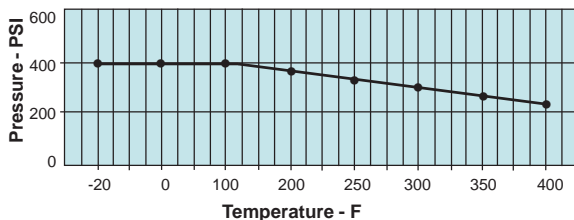
\* Recommended spare parts

*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*

**DIMENSIONS:**

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

Pressure Vs Temperature  
YS12 ANSI 250



Working Pressures-Non Shock  
Lower Temperature Limit  
-20°F / -28.9°C

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

**WORKING PRESSURES & TEMPERATURE - NON-SHOCK**

ANSI 250 lbs Class	YS12 CI
WOG Water, Oil, Gas	400 PSI @ 150°F
Saturated Steam	250 PSI @ 406°F
MAX Liquid	250 PSI @ 406°F

**TESTING:**

- All strainers are individually, hydrostatically tested at 1.5 times rated WOG.

**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%

Ordering Code \_\_\_\_\_  
 Size \_\_\_\_\_  
 Customer/Project \_\_\_\_\_  
 Inq./P.O. No. \_\_\_\_\_  
 Titan Order No. \_\_\_\_\_  
 Certified Correct By \_\_\_\_\_ Date \_\_\_\_\_



**TITAN FLOW CONTROL, INC.**

**CAST IRON WYE TYPE STRAINER  
YS12-CI**

Series	Size	Part No.	Material Trim Code	Drawing No.
				<b>YS12-CI</b>