


**TITAN**

## **WYE STRAINER • SCREWED/SOCKET WELD ENDS**

### **Class 1500 Lbs. Carbon & Stainless Steel**

### **Models:**

**YS83-SS, YS83-CS THREADED**  
**YS84-SS, YS84-CS SOCKET WELD**



### **PRESSURE RATINGS**

**STEAM:**  
 CS-1500 PSI @ 800°F  
 SS-1500 PSI @ 850°F  
**WATER:**  
 CS-3705 PSI @ 100°F  
 SS-3600 PSI @ 100 °F

### **APPLICABLE STANDARDS**

DESIGN	ASME B16.11
SHELL WALL	ASME B16.34
PR. vs TEMP. RATING	ASME B16.34

### **Features:**

- Self Cleaning Type
- Easily Removable Screen Bolted Cover
- Hex Ends For Easy Installation
- All Size Dual Rating 600/1500 lbs.
- Machined Screen Seat
- Standard 600 Lb. Unit NPT Blow Off
- Optional Socket Weld Blow Off for 600 lbs. Available
- Standard 1500 Lb. Unit No Blow Off
- For Safety Socket Weld Blow Off is Recommended
- Optional Socket Weld Blow Off Available for 1500 lbs. C/F
- Large Open Area 2.5 Times Pipe Area
- Spiral Wound "CG" Style Gasket
- "CG" Type Can Be Re-Used, Will Not Crush
- End Conforms To ASME B16.11
- Epoxy Coated Carbon Steel

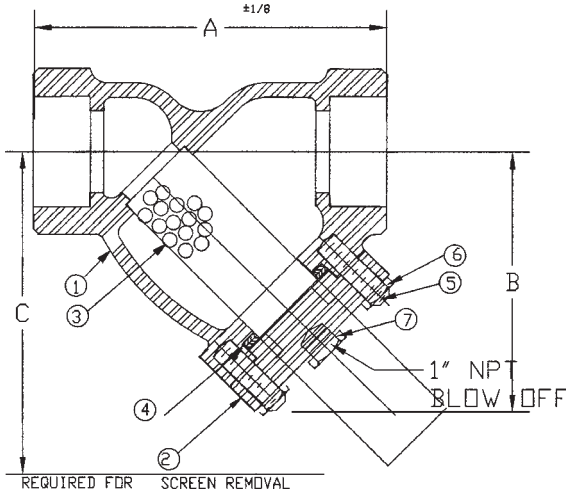
***Heavy Duty, Rugged, High Quality, Reliable***  
***Castings For High Pressure and Temperature***  
***Petrochemical and Industrial Applications***



**TITAN FLOW CONTROL**  
LUMBERTON, NC USA

FLANGED TYPE CG STYLE  
WYE STRAINER  
MODEL YS83-CS & YS83-SS  
YS84-CS & YS84-SS

**RATING:**  
**ANSI #**  
**1500**



**BILL OF MATERIALS:**

No.	Name	YS64-CS	YS64-SS
		Carbon Steel	Stainless Steel
1	Body	ASTM A216 WCB	ASTM A351 CF8M
2	Cover	ASTM A216 WCB	ASTM A351 CF8M
3	Screen*	SS 304	SS 304
4	Gasket*	SS304 Spiral Wound*	SS304 Spiral Wound*
5	Studs	ASTM A193-B16	ASTM A193 B8 T316SS
6	Nuts	ASTM A194-4	ASTM A194 Gr8 T316SS
7	Plug	ASTM A105	ASTM A182 F316

\* Recommended spare parts  
Gasket is encapsulated in the groove

**NOTE:**

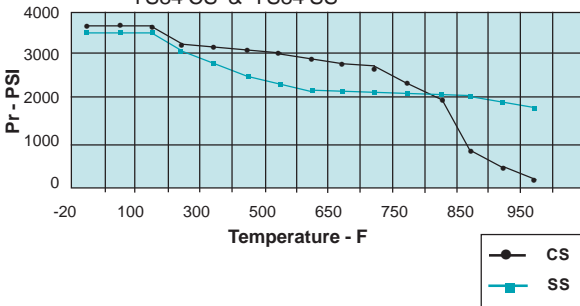
1. A wide range of optional gasket material available, C/F
2. Strainers are also available in many optional materials such as LCC, LCB, WC6, WC9, 316L, Alloy 20, and monel.
3. Threaded End ASME/ANSI B1.20.1  
Socket Weld End ASME/ANSI B16.11

**DIMENSIONS: (YS83/84)**

SIZE:	In	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3
	mm	15	20	25	32	40	50	65	
A	In	3.94	4.25	5	8.37	8.37	9.31	12	12
	mm	100	108	127	212	212	236	305	305
B	In.	3	3.75	5	5.5	5.5	7.37	10.5	10.5
	mm.	76	95	127	140	140	187	267	267
C SCREEN REMOVAL	In	4.25	5.25	6.25	8	8	9	16	16
	mm	108	133	159	203	203	228	406	406
D (NPT) BLOW OFF	In.	3/8	1/2	1/2	1/2	1/2	1/2	1	1
	mm.	10	15	15	15	15	15	25	25
WEIGHT:	lb.	10	12	15	22	22	30	50	50
	kg.	4.34	5.2	6.5	10	10	13	21.6	21.6
CV: FLOW COEFFICIENT		9	18	30	38	38	54	130	180

**Pr. Vs Temp. ANSI 1500 Lbs.**

YS83 CS & YS83 SS ANSI 1500 lbs.  
YS84 CS & YS84 SS



**Standard Screen Selections:**

Sizes	Liquid	Open Area	Steam	Open Area
1/2" to 3"	0.062 (1/16)	37%	0.033(1/32)	28%

A wide range of optional wire mesh and perforated screens are available. C/F

**WORKING PRESSURES-NON SHOCK**

MODELS	PRESSURE	TEMPERATURE
YS84-CS	3705 PSI	100°F
	1500PSI	800°F
YS84-SS	3600 PSI	100°F
	1500 PSI	850°F

**TESTING:**

All strainers are individually, hydrostatically tested in accordance with ANSI test specifications.  
**SHELL TEST = 1.5 x WOG PSI**

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



**TITAN FLOW CONTROL, INC.**

**WYE STRAINER**

**YS83-CS & YS83-SS YS84-CS & YS84-SS**

Series	Size	Part No.	Material Trim Code	Drawing No.
				<b>YS83/84 CS / SS</b>