

**TITAN****WYE STRAINER • FLANGED ENDS****Class 300 lb • Carbon Steel and Stainless Steel****2" YS 62-CS****Models: YS 62-CS  
YS 62-SS****Size Range: 1/2" ~ 12"****WORKING PRESSURES & TEMPERATURE - NON-SHOCK**

ANSI 300 lb Class	YS 62-CS	YS 62-SS
WOG (Water, Oil, Gas)	740 PSI @ 100 °F	720 PSI @ 100 °F
Saturated Steam	300 PSI @ 420 °F	300 PSI @ 420 °F
MAX Liquid	400 PSI @ 800 °F	350 PSI @ 1000 °F

**Features:**

- Self Cleaning Type
- Precision Machined Screen Seat
- Tapped NPT Blow-off
- Drain/Blow-off Connection Furnished With Plug Standard
- Optional Cover Designs (Swing, Clamp, Hinge Type)
- Epoxy Painting Is Standard On All Carbon Steel Units
- Large Open Area - Minimum 2.5x Larger Than Corresponding Pipe
- Inlet And Outlet Bosses Are Provided For Gauge Tapping
- High Temperature Cover Gasket Is Set In Machined Counter Bores
- Stainless Steel Strainers Designed With Stainless Steel Nuts And Bolts
- Bolted Cover Flange Allows Easy Removal Of Screen For Cleaning  
Also Helps To Ensure Proper Alignment Of Screen During Reassemble
- Raised Faced Flanges With Bolt Holes Either Spot Faced Or Back Faced

***Ideal Design for Petrochemical and Industrial Applications  
with Higher Pressure and Temperature Requirements.***



**TITAN FLOW CONTROL**  
LUMBERTON, NC USA

**WYE STRAINER**

**MODEL: YS 62-CS**

**MODEL: YS 62-SS**

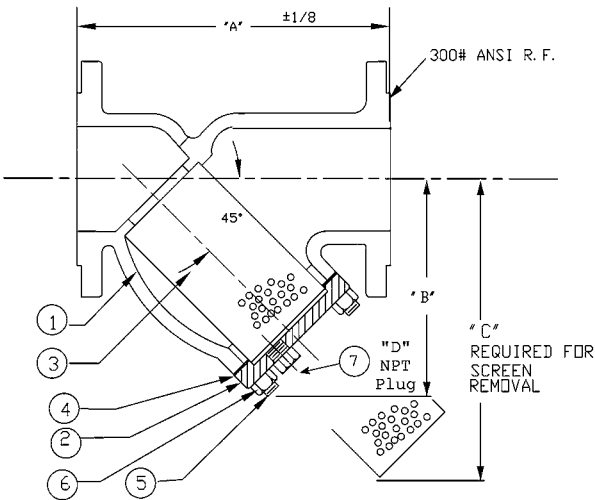
CARBON STEEL

STAINLESS STEEL

FLANGED - RAISED FACE

FLANGED - RAISED FACE

**ANSI Class 300 lb**



BILL OF MATERIALS			
No.	PART	YS 62-CS	YS 62-SS
1	Body	ASTM A216 WCB	ASTM A351 CF8M
2	Cover	ASTM A216 WCB	ASTM A351 CF8M
3	Screen*	304 Stainless Steel	
4	Gasket*	304 Stainless Steel Spiral Wound Non-Asbestos	
5	Studs	ASTM A193-B7	ASTM A193 B8 T316SS
6	Nuts	ASTM A194-2H	ASTM A194 Gr. 8 T316SS
7	Plug	ASTM A105	ASTM A182 F316

\*Recommended spare parts

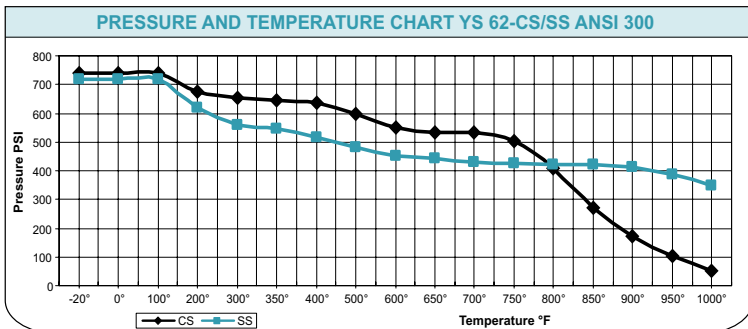
**Notes:**

- A wide range of optional gasket materials available - C/F.
- Optional body materials available:  
(LCB, WC6, WC9, 316L, Alloy 20, and Monel)
- Furnished with 1/16" raised face. Flange Finish: 125-250 AARH
- Gasket is encapsulated in machined recessed groove.

**DIMENSIONS:**

SIZE	in	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12
	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300
A DIMENSION FACE TO FACE	in	6.62	8.31	8.31	10.12	10.25	9.12	10.62	12.00	14.50	19.31	19.31	23.00	27.37	32.25
	mm	169	212	212	258	261	232	270	305	369	491	491	585	696	820
B DIMENSION CTR. LINE - BOTTOM	in	3.50	3.75	3.75	5.50	5.50	5.25	6.50	7.00	8.25	11.25	13.50	15.50	18.50	21.75
	mm	89	96	96	140	140	134	166	178	210	286	343	394	470	553
C DIMENSION SCREEN REMOVAL	in	5.00	5.00	5.00	8.00	8.00	7.00	9.75	10.00	12.00	17.00	20.00	22.75	28.00	30.00
	mm	127	127	127	204	204	178	248	254	305	432	508	578	712	762
D DIMENSION NPT BLOW-OFF	in	3/8	1/2	1/2	1/2	1/2	1/2	1	1	1 1/2	2	2	2	2	2
	mm	10	15	15	15	15	15	25	25	40	50	50	50	50	50
ASSEMBLED WEIGHT	lb	6.0	12.3	12.3	19.0	27.0	24.0	40.0	50.0	90.0	120.0	186.0	318.0	432.0	716.0
	kg	2.7	5.6	5.6	8.6	12.2	10.9	18.1	22.7	40.8	54.4	84.3	144.1	195.7	324.4
Flow Coefficient	C <sub>v</sub>	---	---	---	---	43	70	110	150	260	400	550	930	1600	2100

\*Dimensions (inches) are rounded down to two decimal places.



- CS not recommended for prolonged use above 800 °F
- SS not recommended for prolonged use above 1000 °F when carbon is .04% or higher.

**TESTING:**

Strainers are individually, hydrostatically tested at 1.5 x the 100 °F rating, rounded off to the next higher 25 PSI measurement .

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

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**STANDARD SCREEN SELECTIONS**

Sizes	Water Service	Open Area	Steam	Open Area
1/2" ~ 4"	0.062 (1/16)	37%	0.033 (1/32)	28%
5' ~ 12"	0.125 (1/8)	40%	0.045 (3/64)	36%

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

**APPLICABLE STANDARDS**

End Flanges	ANSI B16.5
Shell Wall Thickness	ANSI B16.34
Pressure vs. Temp. Rating	ANSI B16.34

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



**TITAN FLOW CONTROL, INC.**  
Engineering Specification Submittal

**WYE STRAINER • YS 62-CS & YS 62-SS**

Series	Size	Part No.	Material Trim Code	Drawing No.
				YS 62-CS/SS