


TITAN

WYE STRAINER • SCREWED/SOCKET WELD ENDS

Class 600, Carbon and Stainless Steel



Models-Threaded

YS81-SS (STAINLESS)
YS81-CS (CARBON)

Models-Socket Weld

YS82-SS (STAINLESS)
YS82-CS (CARBON)

Pressure Ratings

Steam:

CS - 1010PSI @ 750° F

SS - 845PSI @ 750° F

Sizes: 1/4" thru 3"

Water:

CS - 1480PSI @ 750° F

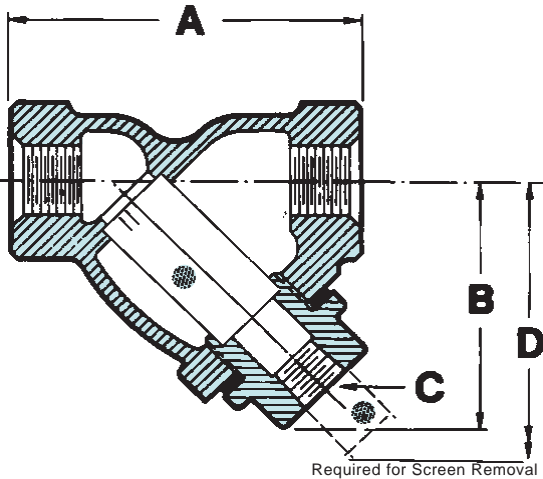
SS - 1440PSI @ 750° F

Features:

- Self Cleaning Type
- Easily Removable Screen Caps
- Hex Ends for Easy Installation
- Straight Threads on Cap Permit Easy Removal From the Strainer Body When the Screen Must Be Cleaned. Also Helps to Assure Proper Alignment of the Screen When Reassembled.
- Machined Screen Seat
- Tapped NPT Blowoff
- Drain/Blowoff Connection Furnished with Plug as Standard
- Plug Can Be Replaced With a Ball Valve for On-line Blow-Down
- Strainer has Large Open Area - Minimum 2.5x Larger Than Corresponding Pipe Size.
- Epoxy Coating is Standard.
- Investment Cast Body and Cap

Heavy-Duty Rugged Design to Handle High-Pressure Applications

Models YS81 / YS82



BILL OF MATERIALS:

No.	Name	YS81-SS/YS82-SS Stainless Steel	YS81-CS/YS82-CS Carbon Steel
1	Body	ASTM A351 CF8M/316	ASTM A216 WCB
2	Cap	ASTM A351 CF8M/316	ASTM A216 WCB
3	Screen*	SS304	SS304
4	Gasket*	Non-Asbestos	Non-Asbestos
5	Blowoff Plug	Type 316SS	Carbon Steel

* Recommended spare parts

- Strainers are also available in many optional materials such as LCC, LCB, WC6, WC9, 316L, Alloy 20, and Monel
- Threaded & Plugged Blow-Off Connection Standard
- Optional Sizes and Socket-Weld Available-C/F
- Threaded End Strainers (YS-81) are Machined to ANSI B1.20.1
- Socket-Weld Ends (YS-82) are ANSI B16.11

DIMENSIONS

SIZE		In. mm	1/4 6	3/8 10	1/2 15	3/4 20	1 25	1 1/4 32	1 1/2 40	2 50	2 1/2 65	3 80
A	In. mm		2 15/16	2 15/16	2 15/16	3 11/16	4 9/16	4 15/16	5 9/16	6 15/16	12	12
			76	76	76	95	117	127	143	178	305	305
B	In. mm		2 3/8	2 3/8	2 3/8	2 13/16	3 11/16	4 1/8	4 3/4	6	9 3/8	9 3/8
			60	60	60	72	130	102	121	152	238	238
C*	In. mm		1/4	1/4	1/4	3/8	3/8	3/4	3/4	1	1 1/4	1 1/4
			6	6	6	10	10	20	20	25	32	32
D	In. mm		2 5/8	2 5/8	2 5/8	3 3/8	4 3/4	5 1/4	6	7 3/4	C/F	C/F
			67	67	67	86	121	133	152	194	C/F	C/F
WEIGHTS												
	Lbs. Kg.		2 0.91	2 0.91	1 1/4 0.58	1 1/2 0.7	2 1/4 1.0	4 1.8	6 2.7	10 1/2 4.7	C/F C/F	C/F C/F

*Drain\Blowoff connection furnished with plug as standard

Standard Screen Selections:

Sizes	Water Service	Steam Service	Open Area
1/2" - 3"	0.062 (1/16)	0.033 (1/32)	37%(w) 28%(s)

Optional wire mesh and perforated metals are available upon request.

TESTING

All Strainers Individually Hydrostatically Tested
In Accordance with ANSI Specifications.
2225 psi (156.44Kg/cm²)

ANSI B1.20.1 & ANSI B16.11
(ANSI B1.20.1 & ANSI B16.11)

