


TITAN

WYE STRAINER • FLANGED TYPE

Class 150, Carbon and Stainless Steel



Models

YS61-SS (STAINLESS)

YS61-CS (CARBON)

SIZES 1/2" thru 24"

APPLICABLE STANDARDS

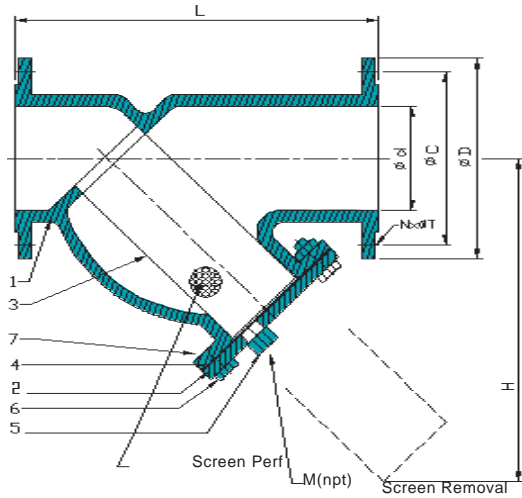
Shell Wall Thickness	ANSI B16.34
Pressure Temperature Rating	ANSI B16.34
End Flanges	ANSI B16.5

Features:

- Self Cleaning Type
- Bolted Cover Flange Permits Easy Removal when the Screen must be Cleaned. Also Helps to Assure Proper Alignment of the Screen When Reassembled.
- Machined Screen Seat
- Tapped NPT Blowoff
- Drain/Blow-off Connection Furnished with Plug as Standard
- Strainer has Large Open Area - Minimum 2.5x Larger than Corresponding Pipe Size.
- Epoxy Coating is Standard
- Bosses at the Inlet and Outlet Flanges are Provided for Gauge Tappings.
- Optional Cover Designs (swing clamp, hinge type).
- Body Meets Applicable ASTM Standards.
- High Temperature Cover Gaskets are Set in Machined Counter Bores.
- All Flanges Faced and Drilled in Accordance with ANSI B16.5
Bolt Holes are either Spot Faced or Back Faced.
SS Body has SS Studs and Nut Standard.
- SS Strainer has SS Studs and Nuts.

*Ideal Design for Commercial and Industrial Applications
with Higher Pressure and Temperatures.*

Model YS61



BILL OF MATERIALS:

No.	Name	YS61-CS Carbon Steel	YS61-SS Stainless Steel
1	Body	ASTM A216 WCB	ASTM A351 CF8M
2	Cover	ASTM A216 WCB	ASTM A351 CF8M
3	Screen*	SS304	SS304
4	Gasket*	SS304 Spiral Wound	SS304 Spiral Wound
5	Plug	ASTM A105	ASTM A182 F316
6	Nut	ASTM A194 Gr 2H	ASTM A194 Gr 8 T316SS
7	Stud	ASTM A193 B7	ASTM A193 B8 T316SS

* Recommended spare parts

Note:

A wide range of optional gaskets are available, C/F.

Strainers are also available in many optional materials such as LCC, LCB, WC6, WC9, 316L, 304, Alloy 20, Monel.

DIMENSIONS

SIZE		Fd		L		H		FC		FD		N # OF BOLT HOLES	T		M lb	WEIGHT	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		in	mm		lb	kg
2"	50	2	51	7-3/4	200	9-3/4	246	4-3/4	121	6	152	4	3/4	19	1/2	17	7.71
2 1/2"	65	2-1/2	64	9-3/4	222	12	302	5-1/2	140	7	178	4	3/4	19	1	28	12.70
3"	80	3	76	10-1/2	254	13	330	6	152	7-1/2	191	4	3/4	19	1	31	14.06
4"	100	4	102	12	308	15-1/2	393	7-1/2	191	9	229	8	3/4	19	1-1/2	53	24.04
5"	125	5	127	15-1/2	394	21-1/2	546	8-1/2	216	10	254	8	7/8	22	2	83	37.65
6"	150	6	152	18-1/2	468	25	635	9-1/2	241	11	279	8	7/8	22	2	112	50.80
8"	200	8	203	21-1/2	543	28-1/2	729	11-3/4	299	13-1/2	343	8	7/8	22	2	196	88.90
10"	250	10	254	26	660	34-1/2	873	14-1/4	362	16	406	12	1	25	2	294	133.46
12"	300	12	305	30	759	35-1/2	901	17	432	19	482	12	1	25	2	435	197.31
14"	350	13	330	36	914	36-1/2	927	18-3/4	476	21	533	12	1-1/8	29	2	C/F	C/F
16"	400	16	406	41-3/4	1060	42	1067	21-1/4	540	23-1/2	597	16	1-1/8	29	2	C/F	C/F
18"	450	17-1/2	445	46	1168	45-1/2	1156	22-3/4	578	25	635	16	1-1/4	32	2	C/F	C/F
20"	500	19-1/4	489	49-1/2	1257	C/F	C/F	25	635	27-1/2	698	20	1-1/4	32	2	C/F	C/F
24"	600	23-1/4	591	58-1/2	1483	C/F	C/F	29-1/2	749	32	813	20	1-3/8	34	2	C/F	C/F

Smaller sizes available C/F

Standard Screen Selections:

Sizes	Liquid	Open Area	Steam	Open Area
2" - 4"	0.062 (1/16)	37%	.033 (1/32)	28%
5" - 10"	0.125 (1/8)	40%	.045 (3/64)	36%
12" - 24"	0.125 (1/8)	40%	30 mesh	41%

Optional wire mesh and perforated metals are available upon request.

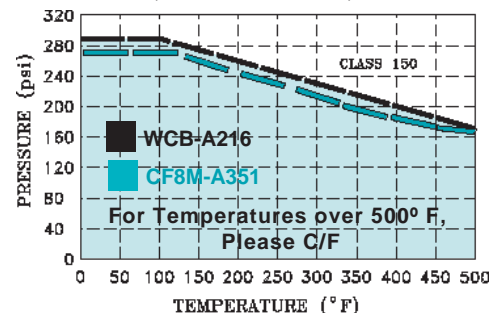
Installed in Vertical or Horizontal Pipe Lines with Blow-Off Connection at Lower End of Screen

TESTING

All Strainers Individually Hydrostatically Tested (water)
450 psi (32kg/cm²)

PRESSURE & TEMPERATURE CHART

(ASME/ANSI B16.34)



Steam
150 PSI @ 565°F
10.3 Bars - 296°C
Lower Temp. - 20°F

M.A.W.P. - Nonshock
Liquids
285 PSI @ 100°F
19.6 Bars - 37.8°C

This brochure is general in nature and manufacturer reserves the right to alter materials or to make design improvements. Please Request certified prints for exact dimensions when required