

TITAN

WYE STRAINER • THREADED & SOLDER ENDS

Class 125 lb • CAST BRONZE



Models: **YS 55-BZ**
(Threaded Ends)
YS 56-BZ
(Solder Ends)

ANSI Class 125 lb
Size Range: 1/4" ~ 3"



WORKING PRESSURES & TEMPERATURE - NON-SHOCK

ANSI 125 lb Class	YS 55-BZ	YS 56-BZ ⁽¹⁾
WOG (Water, Oil, Gas)	200 PSI @ 150 °F	200 PSI @ 100 °F
Saturated Steam	125 PSI @ 353 °F	Not Applicable
MAX Liquid	125 PSI @ 400 °F	125 PSI @ 400 °F

1. The internal working pressure rating for a solder joint strainer is dependent not only on the strainer, but also on the composition of the solder used for the joint. The internal working pressure ratings shown above for model YS 56-BZ are representative of using an alloy Sb5 95-5 tin-antimony solder. For other solder joints, please consult factory.

Features:

- HIGHLY ECONOMICAL STRAINER DESIGN
- SELF CLEANING TYPE
- EASILY REMOVABLE GASKETED SCREEN CAPS
- STRAIGHT THREADS ON CAP PERMIT EASY REMOVAL WHEN SCREEN MUST BE CLEANED
ALSO HELPS TO ASSURE PROPER ALIGNMENT OF THE SCREEN WHEN REASSEMBLED
- PRECISION MACHINED SCREEN SEAT - ENABLES FINE FILTRATIONS
- STRAINER HAS LARGE OPEN AREA - MINIMUM 2.5 TIMES LARGER THAN CORRESPONDING PIPE
- TAPPED NPT BLOW-OFF
- DRAIN/BLOW-OFF CONNECTION FURNISHED WITH PLUG AS STANDARD
- HIGH PRESSURE ANSI 250 LB UNIT (YS 52-BZ) IS ALSO AVAILABLE

*Highly Economical Strainer Design, Ideal for
HVAC, Commercial and Industrial Applications*

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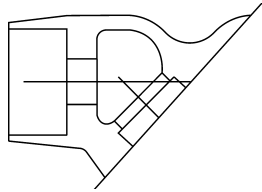
TITAN FLOW CONTROL
LUMBERTON, NC USA

WYE STRAINER

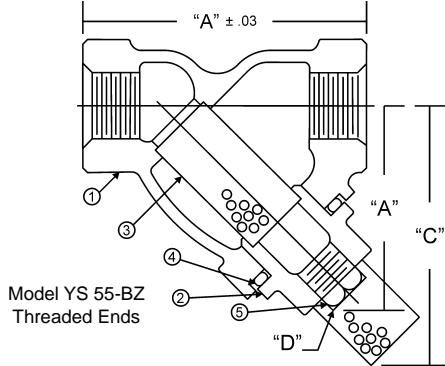
MODEL: YS 55-BZ
Threaded Ends
Cast Bronze

MODEL: YS 56-BZ
Solder Ends
Cast Bronze

ANSI Class
125 lb



Model YS 56-BZ
Solder Ends



Model YS 55-BZ
Threaded Ends

BILL OF MATERIALS

No.	PART	YS 55-BZ & YS 56-BZ
1	Body	ASTM B62 Cast Bronze
2	Cap	ASTM B62 Cast Bronze
3	Screen*	Type 304 Stainless Steel
4	Gasket*	Teflon
5	Plug	ASTM B62 Cast Bronze

**Recommended spare parts*

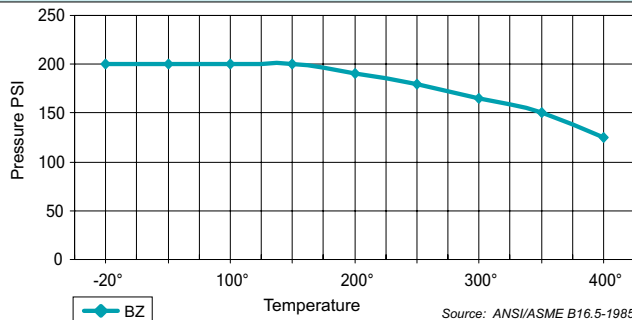
- A wide range of optional gasket materials are available.
- Optional wire mesh and perforated screens are available.

DIMENSIONS:

SIZE		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
		in	mm	in	mm	in	mm	in	mm	in	mm
A DIM. (YS 55) FACE TO FACE	in	2.0	2.313	2.563	3.063	3.25	4.438	4.875	5.25	6.875	7.875
	mm	51	59	65	78	83	113	124	133	175	200
A DIM. (YS 56) FACE TO FACE	in	2.0	2.375	3.125	4.125	4.938	5.688	6.688	8.281	9.75	11.375
	mm	51	60	79	105	125	144	170	210	248	289
B DIM. (YS 55) CTR. LINE - BOTTOM	in	1.75	1.938	2.031	2.375	2.438	3.563	3.75	4.75	5.625	6.75
	mm	44	49	52	60	62	90	95	121	143	171
B DIM. (YS 56) CTR. LINE - BOTTOM	in	1.563	1.75	1.938	2.281	2.797	3.188	3.813	4.75	6.125	7.5
	mm	40	44	49	58	71	81	97	121	156	191
C DIMENSION SCREEN REMOVAL	in	3.0	3.75	4.0	4.25	4.75	6.0	7.0	8.0	9.0	10.0
	mm	76	95	102	108	121	152	178	203	229	254
D DIMENSION NPT BLOW-OFF	in	1/8	1/8	1/4	1/4	1/2	1/2	3/4	1	1 1/4	1 1/2
	mm	6	6	8	8	15	15	20	25	32	40
ASSEMBLED WEIGHT (YS 55)	lb	< 0.5	< 0.5	0.5	1.0	1.5	3.0	4.0	5.5	9.0	15.5
	kg	< 0.2	< 0.2	0.2	0.5	0.7	1.4	1.8	2.5	4.1	7.0
ASSEMBLED WEIGHT (YS 56)	lb	< 0.5	< 0.5	0.5	1.0	1.5	2.0	3.5	5.5	9.5	15.5
	kg	< 0.2	< 0.2	0.2	0.5	0.7	0.9	1.6	2.5	4.3	7.0
Flow Coefficient	C _v	C/F	C/F	9	19	30	45	60	100	130	165

Dimensions and weights are for reference only. When required, request certified drawing.

PRESSURE-TEMPERATURE • YS 55-BZ • ANSI CLASS 125 LB (1)



Source: ANSI/ASME B16.5-1985

WORKING PRESSURES & TEMPERATURE - NON-SHOCK

ANSI 125 lb Class	YS 55-BZ	YS 56-BZ (2)
WOG (Water, Oil, Gas)	200 PSI @ 150 °F	200 PSI @ 150 °F
Saturated Steam	125 PSI @ 353 °F	Not Applicable
Max Liquid	125 PSI @ 400 °F	125 PSI @ 400 °F

STANDARD SCREEN SELECTIONS

Sizes	Water Service	Open Area	Steam	Open Area
1/4" ~ 2"	20 mesh	52%	30 mesh	41%
2 1/2" ~ 3"	.0625 (1/16)	37%	.045 (3/64)	36%

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

REFERENCED STANDARDS

Cast Bronze Threaded Fittings	ANSI B16.15
Solder Joint Pressure Fittings	ANSI B16.18
Braze-Joint Pressure Fittings	ANSI B16.50

1. Pressure-Temperature chart is for model YS 55-BZ (threaded ends) only.
2. The internal working pressure rating for a solder joint strainer is dependent not only on the strainer, but also on the composition of the solder used for the joint. The working pressure ratings shown for model YS 56-BZ are representative of using an alloy Sb5 95-5 tin-antimony solder. For other solder joints, please consult factory.

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

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 55-BZ & YS 56-BZ

Size	Model Number	Description	Drawing No.
			YS 55-BZ/YS 56-BZ