



TITAN FLOW CONTROL, INC.

Cast Bronze Wye Type Strainers

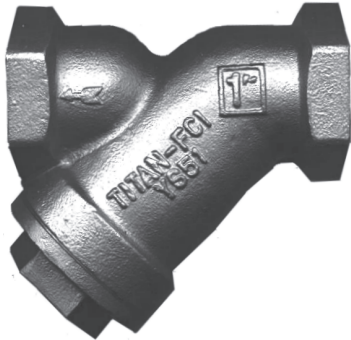
Model YS51-BZ

(Threaded Ends)

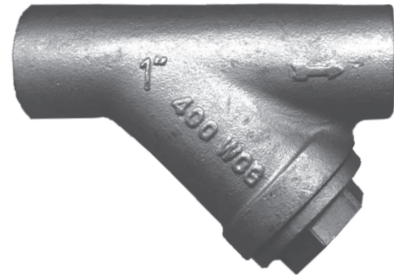
Model YS53-BZ

(Solder Ends)

Size Range 1/4" thru 4"



Screwed Type, Model YS51



Solder (Sweat) Type Model YS53

Features:

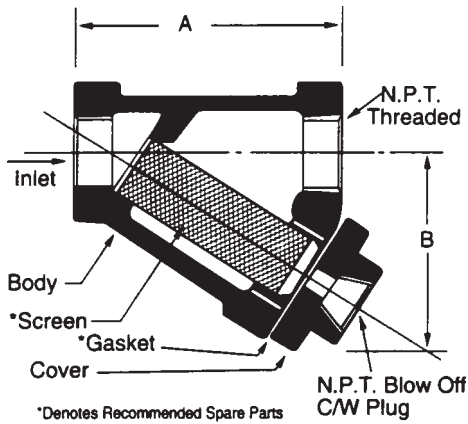
- Self Cleaning Type
- Easily Removable Gasketed Screen Caps
- Straight Threads on Cap Permit Easy Removal when the Screen must be Cleaned. Also Helps to Assure Proper Alignment of the Screen When Reassembled
- Machined Screen Seat (Enables Fine Filtrations)
- Tapped NPT Blow-off
- Drain/Blow-off Connection Furnished with Plug as Standard
- Strainer has Large Open Area - Minimum 2.5x Larger than Corresponding Pipe Size. Ensures Low Pressure Loss
- Hex Ends for Easy Installation

Economical Design, Ideal for HVAC, Commercial and Industrial Applications

TITAN - DESIGN & TECHNICAL DATA:

YS51-BZ Threaded End

YS53-BZ Solder End



BILL OF MATERIALS / PARTS LIST

1	BODY	BRONZE ASTM B62
2	CAP	BRONZE ASTM B62
3	SCREEN*	STAINLESS STEEL
4	PLUG	BRONZE ASTM B62
5	GASKET*	NON-ASBESTOS
* Recommended Spare Parts		

In Accordance with Bu Ship Drawings
80064-810-841499

Designed in Accordance with ASME B16.4

SIZE		DIMENSIONS:										WEIGHTS:			
		A(YS51) Threaded End		A(YS53) Soldered End		B		C Screen Removal		BLOW-OFF NPT		YS51 Threaded End		YS53 Soldered End	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs.	kg.	lbs.	kg.
1/4	6.35	2-3/4	69.85	3	76.2	2-1/2	63.50	4	101.60	1/4	6.35	.750	.40	.50	.20
3/8	9.53	2-3/4	69.85	3	76.2	2-1/2	63.50	4	101.60	1/4	6.35	.750	.40	.50	.20
1/2	12.70	2-3/4	69.85	3	76.2	2-1/2	63.50	4	101.60	1/4	6.35	.750	.40	.50	.20
3/4	19.1	3	76.20	3-3/4	95.25	2-1/2	63.50	4	101.60	3/8	9.53	1	.60	1	.40
1	25.40	3-3/4	95.25	4-3/4	120.65	3	76.20	5-1/2	139.70	3/8	9.53	2	.80	2	.80
1-1/4	31.8	4-3/8	111.13	5-9/16	141.29	4	101.60	7	177.80	3/4	19.05	3.5	1.6	3.5	1.6
1-1/2	38.10	5	122.50	6	152.4	4-1/2	114.60	8	203.20	3/4	19.05	5.5	2.4	5.5	2.4
2	50.80	6	152.40	7-9/16	192.09	6	152.40	10-1/2	266.70	1	25.40	7.5	3.4	8	3.6
2-1/2	63.50	8	203.2	9-3/8	238.13	6	152.40	11-1/2	292.10	1	25.40	14	6.4	14	6.4
3	76.20	9	228.6	10-5/8	263.53	7-1/2	190.50	14	355.60	1-1/4	31.75	21	9.4	21	9.4

MODEL YS52 CLASS 250 IS ALSO AVAILABLE IN SIZES 1/2" THRU 2" C/F

Standard Screen Selections

Sizes	Water Service	Open Area	Steam Service	Open Area
1/4" thru 2"	20 mesh	52%	30 mesh	41%
2-1/2" thru 3"	1/16 perf.	37%	3/64 perf	36%

A wide range of optional wire mesh and perforated metals are available upon request, C/F
Optional magnetic screen assemblies are available, C/F

TESTING

All Strainers Individually Hydrostatically Tested in Accordance with ANSI Test Specifications

WORKING PRESSURE LIMITS (NON-SHOCK)

Steam	WOG
150 PSI @ 350°	200 PSI @ 150°
Lower Temperature Limits	
BRONZE ASTM B62 - 20F (-28.9°C)	

PRESSURE & TEMPERATURE CHART

(Accordance with ASME B16.15)

