

# Pipeline Strainers

## BRONZE NPT "Y" STRAINERS

Lightweight, compact protection against foreign particles. Corrosion-resistant bronze body and stainless steel screens. Operating pressures to 400 psig.

### FEATURES

- Sizes: 1/8" to 4"
- Self-aligning screen makes cleaning easy
- Small sizes ideal for O.E.M. applications
- Working pressure 400 CWP/125 SWP
- 59LF Lead Free\* option
- Optional tapped caps available (less plug)
- Optional mesh screens available upon request
- Sizes 1/8" to 1/2" available as UL® recognized component (Made from 85-5-5-5 bronze)



Model Number	Size (in.)	Dimensions (in.)			Wt./100	Screen Area (in. <sup>2</sup> )
		A	B	(Suffix-02)		
59-000-01	1/8	2.00	1.25	1/8 NPT	44.5	1.38
59-001-01	1/4	2.00	1.25	1/8 NPT	42.5	1.38
59-002-01	3/8	2.69	2.00	1/4 NPT	78.6	3.19
59-003-01	1/2	2.69	2.00	1/4 NPT	75.1	3.19
59-004-01	3/4	3.87	3.25	1/2 NPT	174.0	8.18
59-005-01	1	4.75	4.00	3/4 NPT	276.0	12.9
59-006-01	1-1/4	5.12	4.25	3/4 NPT	358.0	16.2
59-007-01	1-1/2	5.75	5.00	1 NPT	541.0	22.8
59-008-01	2	6.75	6.00	1-1/4 NPT	747.0	32.7
59-009-01	2-1/2	7.94	5.87	1-1/4 NPT	1130.0	47.3
59-010-01	3	9.12	6.87	1-1/2 NPT	1580.0	64.8
59-011-01	4	11.94	10.12	1-1/2 NPT	3070.0	115.0

### UL Listed Strainers

59-UL0-01	1/8	2.00	1.25	1/8 NPT	44.5	1.38
59-UL1-01	1/4	2.00	1.75	1/8 NPT	42.5	1.38
59-UL2-01	3/8	2.69	2.00	1/4 NPT	78.6	3.19
59-UL3-01	1/2	2.69	2.00	1/4 NPT	75.1	3.19

Note: Dimensions shown are subject to change.

Standard Screen Size (in.)	Screen Opening	Suffix	Screen Options	Suffix	Option
1/8 to 1/2	50 Mesh	-E1	20 MESH	-01	Plain Cap
3/4 to 3	20 Mesh	-A1	40 MESH	-02	Tapped Cap
4	.125 Perforation	-B1	60 MESH	-P2	Tapped Cap with Plug
		-C1	80 MESH	-06	Strainer/Ball Valve Combination
		-H1	100 MESH	-03	Monel Screen

## BRONZE SWEAT END "Y" STRAINERS

Designed with minimal wall thickness at solder ends to allow high strength joints. Sturdy and compact with corrosion-resistant bronze bodies, stainless steel screens.

### FEATURES

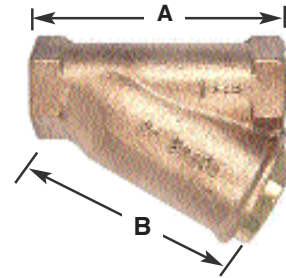
- Operating pressures to 400 psig at 150°F WOG
- 125 psig at 350°F steam
- Sizes: 1/2" to 2"
- Optional tapped caps available

Model Number	Size (in.)	Dimensions (in.)		Tapped Cap (Suffix-02)	Wt./100	Screen Area (in. <sup>2</sup> )
		A	B			
59-303-01	1/2	2.75	1.81	1/4 NPT	50	3.19
59-303-P2	1/2			1/4 NPT	50	
59-304-01	3/4	4.00	2.87	1/2 NPT	121	8.18
59-304-P2	3/4			1/2 NPT	121	
59-305-01	1	4.75	3.56	3/4 NPT	189	12.90
59-305-P2	1			3/4 NPT	189	
59-306-01	1-1/4	5.25	3.94	3/4 NPT	280	16.20
59-306-P2	1-1/4			3/4 NPT	280	
59-307-01	1-1/2	6.00	4.62	1 NPT	426	22.80
59-307-P2	1-1/2			1 NPT	426	
59-308-01	2	7.25	5.00	1-1/4 NPT	627	32.70
59-308-P2	2			1-1/4 NPT	627	

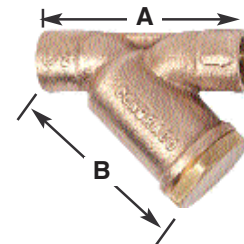
Standard Screen Size (in.)	Screen Opening	Suffix	Option
1/2	50 Mesh	-01	Solid cap (standard)
3/4 to 2	20 Mesh	-02	Tapped Cap
		-P2	Tapped cap with pipe plug

# Pipeline Strainers

## YB (59) SERIES



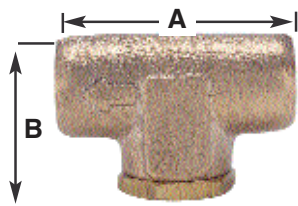
## YBS (59-300) SERIES



# Pipeline Strainers

## Pipeline Strainers

### YVB (59V) SERIES



#### "MINI" STRAINER

The body of the 59-V is corrosion-resistant solid cast bronze, ASTM B-584. The removable clean-out cap is solid brass bar stock, ASTM B-16. Standard screens are made of 304 stainless steel, and are 50 mesh.

#### FEATURES

- 50 mesh screen standard or 100 (-H1) mesh
- WORKING PRESSURE (non-shock):  
400 psig @ 210°F WOG  
125 psig @ 350°F WSP
- Cv Factor 1.42 GPM

Model Number	Size (in.)	Dimensions (in.)		Wt./100 (lbs.)	Screen Mesh
		A	B		
59V-001-01	1/4	2.00	1.31	29.7	50
59V-001-H1	1/4	2.00	1.31	29.7	100

### YCT SERIES Apollo® International



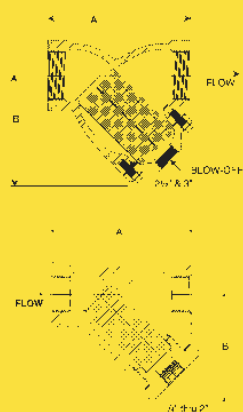
#### CAST IRON PIPE THREADED Y-STRAINER

Install these hardworking strainers upstream in almost any application to protect valves, regulators, solenoids and meters from rust, dirt and pipe scale.

#### FEATURES

- 20 mesh screens standard to 2"; .045 perf 2-1/2" to 3", others available
- Graphite gasketed cover for easy screen replacement
- Screen cover is NPT tapped for customer supplied plug or blow-off valve
- Sizes: 1/4" to 3"
- Working Pressure (non-shock)  
250 psig @ 406°F. Steam  
400 psig @ 150°F. Water, Oil, Gas

Part Number	Size (in.)	Dimensions (in.)		Blow-off NPT	Wt. (lbs.)	Screen Area (in. <sup>2</sup> )
		A	B			
YCT01M20	1/4	3.19	2.37	1/4	1.25	2.8
YCT02M20	3/8	3.19	2.37	1/4	1.25	2.8
YCT03M20	1/2	3.19	2.37	1/4	1.50	2.8
YCT04M20	3/4	3.75	3.37	3/8	2.25	4.7
YCT05M20	1	4.00	3.50	1/2	3.00	7.0
YCT06M20	1-1/4	5.00	4.12	3/4	5.25	12.1
YCT07M20	1-1/2	5.75	4.69	3/4	6.50	16.4
YCT08M20	2	7.00	5.44	1	11.13	23.1
YCT09P045	2-1/2	9.25	5.68	1	23.50	55.0
YCT00P045	3	10.00	7.00	1	33.00	78.4



# Pipeline Strainers

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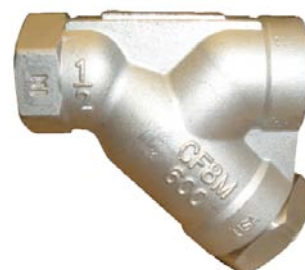
### YSC & YCS (C531) Series (Apollo International)

#### CARBON STEEL THREADED AND SOCKET WELD "Y" STRAINERS

##### FEATURES

- Body is ASTM A216 carbon steel Grade WCB
- 20 mesh screen standard, others available
- Copper Gasket 1/2" to 1-1/2", 304 SS/Graphite on 2"
- Working pressure"
  - 600 psig @ 839°F steam
  - 1480 psig @ 100°F water, oil, & gas
- Screen cover is NPT tapped for customer supplied plug or blow-off valve

Size (In.)	Threaded		Socket Weld		Blow-Off		Screen Area in. <sup>2</sup>
	NPT		A	B	NPT	Wt/lbs	
1/2	612023A1	612123A1	3.38	2.75	3/8	1.5	5.4
3/4	612024A1	612124A1	4.44	3.63	3/8	2.5	8.7
1	612025A1	612125A1	4.88	3.75	1/2	4.25	12.7
1-1/4	612026A1	612126A1	5.38	4.38	3/4	7	18.1
1-1/2	612027A1	612127A1	6.38	5.13	3/4	8.85	25.3
2	612028A1	612128A1	7.50	6.00	1	12.5	39.2



#### STAINLESS STEEL THREADED AND SOCKET WELD "Y" STRAINERS

##### FEATURES

- Body is ASTM A351 stainless steel Grade CF8M
- 20 mesh screen standard, others available
- 304 SS/Graphite on 1/2" to 1", (not available in 1-1/4" size)
- Working pressure"
  - 600 psig @ 1124°F steam
  - 1440 psig @ 100°F water, oil, & gas
- Screen cover is NPT tapped for customer supplied plug or blow-off valve

Size (In.)	Threaded		Socket Weld		Blow-Off		Screen Area in. <sup>2</sup>
	NPT		A	B	NPT	Wt/lbs	
1/2	612033A1	612133A1	3.38	2.75	3/8	1.5	5.4
3/4	612034A1	612134A1	4.44	3.63	3/8	2.5	8.7
1	612035A1	612135A1	4.88	3.75	1/2	4.25	12.7

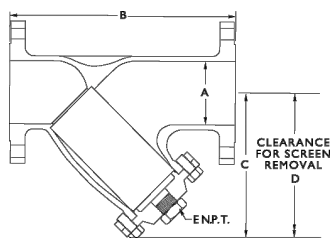


### YSS & YSSW (C533) Series

# Pipeline Strainers

## Pipeline Strainers

### APOLLO® SERIES 125YF & 250YF



### IRON PIPE FLANGED Y-STRAINERS

#### FEATURES

- Iron strainers are complete with Flat Face (Series 125YF) or Raised Face (Series 250YF) flanges in accordance with ASME B16.1.
- Strainer body meets applicable ASME Standard.
- One piece cast body.
- Strainers equipped with bolted cover flange utilizing a flat gasket seal.
- Low pressure drop.
- Upper and lower machined seats.
- 304 SS perforated screens are standard.
- Drain/Blow-off connection furnished with plug as standard.
- Generous screen area and properly proportioned straining chamber to minimize initial pressure drop while maximizing time between cleanings.
- Compact end to end dimension.
- Optional Epoxy coating is FDA approved

Dimensional Data (Iron Classes 125, 250) \*use columns from chart above

Standard Model	Size	A		B		C		D		E		Weight	
		125YF	250YF	125YF	250YF	125YF	250YF	125YF	250YF	125YF	250YF	Y125	Y250
125YF02P045	2"	2.00	2.00	8.88	8.88	6.00	6.50	8.50	9.13	1/2	1/2	22	28
250YF02P045	50	51	51	226	226	152	165	216	232	15	15	10	13
125YF25P045	21/2"	2.50	2.50	10.75	11.25	8.00	7.00	11.25	9.88	1	1	35	38
250YF25P045	65	64	64	273	289	203	178	286	251	25	25	16	17
125YF03P045	3"	3.00	3.00	11.50	11.63	8.75	8.00	12.25	11.25	1	1	43	54
250YF03P045	80	76	76	292	295	222	203	311	286	25	25	20	24
125YF04P125	4"	4.00	4.00	13.88	14.50	9.50	10.75	13.38	15.00	11/4	1	75	110
250YF04P125	100	102	102	353	368	241	273	340	381	32	25	34	50
125YF05P125	5"	5.00	5.00	16.38	17.38	11.50	13.50	16.13	19.00	11/4	11/4	115	160
250YF05P125	125	127	127	416	441	292	343	410	483	32	32	52	73
125YF06P125	6"	6.00	6.00	18.50	18.75	12.63	16.25	17.69	22.75	11/2	11/2	154	224
250YF06P125	150	152	152	470	476	321	413	449	578	40	40	70	102
125YF08P125	8"	8.00	8.00	21.38	21.88	16.38	19.50	23.00	27.75	11/2	11/2	243	468
250YF08P125	200	203	203	543	556	416	495	584	692	40	40	110	212
125YF10P125	10"	10.00	10.00	26.00	27.25	19.00	21.25	26.70	29.75	2	2	390	590
250YF10P125	250	254	254	660	692	483	540	678	756	50	50	177	268
125YF12P125	12"	12.00	12.00	30.00	31.38	22.00	25.00	31.00	35.00	2	2	650	890
250YF12P125	300	305	305	762	797	559	635	787	889	50	50	295	404
125YF14P125	14"	14.00	-	37.38	-	29.00	-	41.00	-	2	-	815	-
250YF14P125	350	356	-	949	-	737	-	1041	-	50	-	370	-
125YF16P125	16"	16.00	-	42.50	-	33.00	-	46.00	-	2	-	1224	-
125YF16P125	400	406	-	1080	-	838	-	1168	-	50	-	555	-

**XXXX F - XX - XXXX - X**

PART	VALVE TYPE	SCREEN TYPE	COATING
125Y (Flat Face)	<b>CONNECTION/ SIZE</b> Flanged 2" = 02 Flanged 2.5" = 25 Flanged 3" = 03 Flanged 4" = 04 Flanged 5" = 05 Flanged 6" = 06 Flanged 8" = 08 Flanged 10" = 10 Flanged 12" = 12 Flanged 14" = 14 Flanged 16" = 16	20 Mesh = M20	Blank = Painted finish (standard)
250Y (Raised Face)		40 Mesh = M40	E = Epoxy Coating, FDA Approved
		60 Mesh = M60	
		80 Mesh = M80	
		100 Mesh = M100	
		.045 Perf = P045	
		.062 Perf = P062	
		.125 Perf = P125	
		.250 Perf = P250	

**Notes:**  
\*All mesh screens are reinforced with a perforated liner.  
Standard Screens  
2" - 3": .045 Perf  
4" - Larger: .125 Perf

#### Parts List and Standard Materials

Part	Cast Iron	Ductile Iron
Apollo Model	125YF	250YF
Body	A126-B	A395
Cover	A126-B	A395
Screen 1	304 SS	304 SS
Plug 2	A126-B	A126-B
Gasket 1	Graphite	Graphite
Bolt/Stud 2	A307-B	A307-B
Nut 2	A563	A563

**Notes:**  
1. Recommended Spares.  
2. Materials of equivalent strength may be substituted at manufacturer's option.

Upper Pressure Limits (Non-Shock)			
Apollo Model	Body Material	M.A.W.P. PSIG (Bars)	Ends
125YF (up to 12" size)	A126-B Cast iron	200 (13.79)	FF
125YF (Sizes 14" and up)	A126-B Cast iron	150 (10.34)	FF
250YF (Sizes 2" - 12")	A395 Ductile iron	500 (34.47)	RF
Body Material		Lower Limit °F (°C)	
A126-B, A395		-20 (-28.9)	