



Y STRAINERS

# MODEL 85



## FEATURES

- Compact design
- Bolted or threaded covers
- Standard stainless steel screens
- Horizontal or vertical installation

## OPTIONS

- Screen perforations from 1/32" to 1/2"
- Screen mesh from 20 to 400

Eaton Model 85 Y strainers are engineered to withstand aggressive industrial and commercial applications. Y strainers protect downstream process system components by mechanically removing unwanted solids from liquid, gas, or steam lines by means of a perforated or wire mesh straining element.

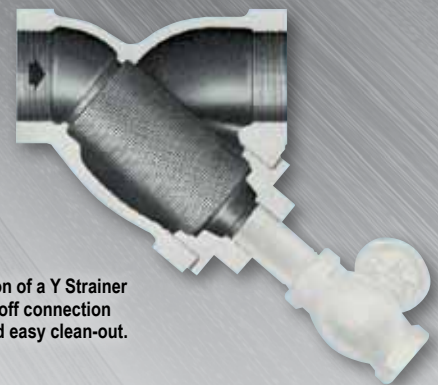
To protect against any bypass, the Model 85 Y strainers are manufactured with a precision-machined screen seat on the body of the strainer and high-quality stainless steel screens fabricated to fit the strainer body perfectly. Model 85 Y strainers are available in carbon steel or stainless steel for pipeline sizes from 1/4" to 10" with threaded, flanged, or socket weld connections.

For cost-effective straining solutions, Y strainers work well in applications in which the amount of material to be removed from the flow is relatively small--resulting in long intervals between screen cleanings. The strainer screen is manually cleaned by shutting down the line and removing the strainer cap.

For applications with heavier dirt loading, Y strainers fitted with a "blow off" connection permit cleaning of the screen without removing it from the strainer body.

### CARBON AND STAINLESS STEEL - THREADED, SOCKET WELD & FLANGED

Size	Material	End Connection	Cover	Rating (WOG non-shock)
1/4" to 2"	Carbon Steel	Threaded or Socket Weld 600#	Threaded	1480 psi @ 100°F
1/4" to 2"	Stainless Steel	Threaded or Socket Weld 600#	Threaded	1440 psi @ 100°F
1/2" to 10"	Carbon Steel	Flanged 150#	Bolted	285 psi @ 100°F
1/2" to 10"	Carbon Steel	Flanged 300#	Bolted	740 psi @ 100°F
1/2" to 10"	Stainless Steel	Flanged 150#	Bolted	275 psi @ 100°F
1/2" to 10"	Stainless Steel	Flanged 300#	Bolted	720 psi @ 100°F



Cross-section of a Y Strainer with blow off connection for quick and easy clean-out.



**SIZES** 1/4" to 10"



**MATERIALS** Carbon Steel, Stainless Steel



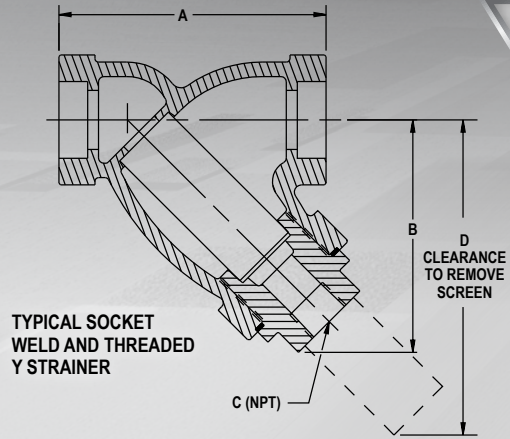
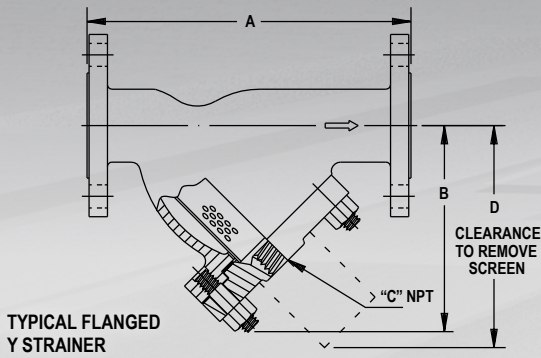
**PORTS** Threaded, Flanged, Socket Weld Connections

**VIKING PUMP**

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Dimensions and weights are for reference only.



**FLANGED CARBON STEEL & STAINLESS STEEL - 150#**

Size	A	B	C (Nom.)	D	WEIGHT
	in (mm)	in (mm)		in (mm)	lb (kg)
1/2	5.00 (127)	2.75 (70)	3/8	3.50 (89)	5 (2.3)
3/4	5.63 (143)	3.00 (76)	3/8	4.00 (102)	7 (3.2)
1	6.38 (162)	3.64 (92)	1/2	5.00 (127)	9 (4.1)
1-1/4	7.25 (184)	4.25 (108)	3/4	5.75 (146)	14 (6.3)
1-1/2	8.88 (226)	5.75 (146)	3/4	6.50 (165)	18 (8.2)
2	7.88 (200)	6.00 (152)	1	8.25 (210)	16 (7.3)
2-1/2	9.75 (248)	6.50 (165)	1	9.25 (235)	25 (11.4)
3	10.00 (254)	7.25 (184)	1 1/4	10.50 (267)	35 (16)
4	12.13 (208)	9.75 (248)	1 1/2	14.75 (375)	70 (32)
6	18.50 (470)	14.25 (362)	2	21.00 (533)	130 (59)
8	21.63 (549)	18.00 (457)	2	26.75 (679)	240 (109)
10	26.00 (660)	22.50 (565)	2	33.75 (857)	300 (136)

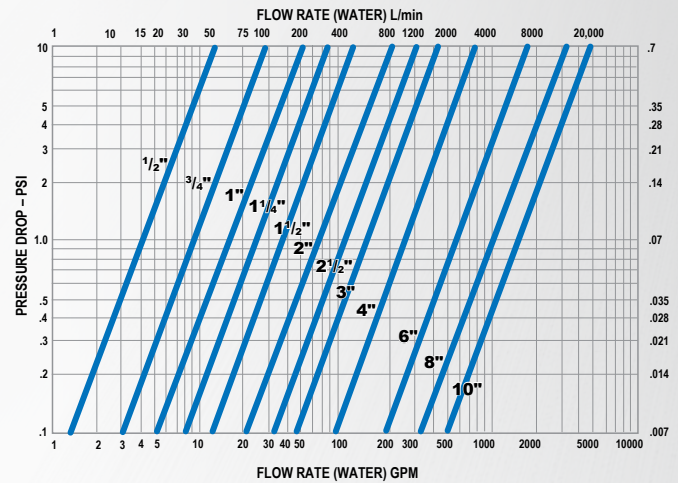
**SOCKET WELD, THREADED CARBON STEEL & SS - 600#**

Size	A	B	C (Nom.)	D	WEIGHT
	in (mm)	in (mm)		in (mm)	lb (kg)
1/4	3.00 (76)	3.00 (76)	3/8	4.00 (102)	2 (0.9)
3/8	3.00 (76)	3.00 (76)	3/8	4.00 (102)	2 (0.9)
1/2	3.00 (76)	3.00 (76)	3/8	4.00 (102)	2 (0.9)
3/4	3.75 (95)	3.50 (89)	3/8	4.75 (121)	4 (1.8)
1	4.63 (118)	4.00 (102)	1/2	5.75 (146)	6 (2.7)
1-1/4	5.00 (127)	4.63 (118)	3/4	6.50 (165)	8 (3.6)
1-1/2	5.63 (143)	5.25 (133)	3/4	7.50 (191)	10 (4.5)
2	7.00 (178)	5.75 (146)	1	8.75 (222)	15 (6.8)

**FLANGED CARBON STEEL & STAINLESS STEEL - 300#**

Size	A	B	C (Nom.)	D	WEIGHT
	in (mm)	in (mm)		in (mm)	lb (kg)
1/2	5.25 (133)	2.75 (70)	3/8	3.50 (89)	6 (2.7)
3/4	6.00 (152)	3.00 (76)	3/8	4.00 (102)	9 (4.1)
1	6.88 (175)	3.63 (92)	1/2	5.00 (127)	13 (6.0)
1-1/4	7.75 (197)	4.25 (108)	3/4	5.75 (146)	18 (8.2)
1-1/2	9.38 (238)	5.75 (146)	3/4	6.50 (165)	24 (11)
2	8.63 (219)	6.25 (159)	1	8.25 (210)	30 (13.6)
2-1/2	10.63 (270)	7.00 (178)	1	9.25 (235)	40 (18.2)
3	12.00 (305)	7.75 (197)	1 1/4	10.50 (267)	55 (25)
4	14.50 (368)	10.50 (267)	1 1/2	14.75 (375)	105 (48)
6	20.00 (508)	14.75 (375)	2	21.00 (533)	200 (91)
8	23.38 (594)	18.75 (476)	2	27.00 (686)	360 (164)
10	27.38 (695)	22.75 (578)	2	34.50 (876)	430 (195)

**FLOW RATES**



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