

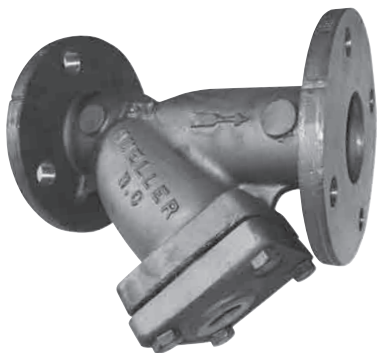
Models: 851M*, 852

Cast Bronze Flanged End Y Strainers Sizes: 1/2" - 12" (15 - 300mm)

Pressure/Temperature-Non-Shock		
Model	Material	Rating
851M	Bronze	225psi @-20°F to 150°F
		15.51 bar @ 65.56°C
		150psi @ 406°F
		10.34 bar @ 207.78°C
852	Bronze	500psi @-20°F to 150°F
		34.47 bar @ 65.56°C
		350psi @ 350°F
		224.13 bar @ 176.67°C

851M
852

Class 150
Class 300



Model 851M

* 851M supersedes model 851.
 Consult factory.

Typical Service

- Used extensively to strain foreign matter from pipe lines and provide economical protection for costly pumps, meters, valves, and other similar mechanical equipment

Features

- Sizes through 4" feature tapered, self-aligning seats
- Larger sizes feature a machined seat for the screen, eliminating particle bypass.

Construction

- Flanged cover, flat faced and drilled.

Self-Cleaning

- Self-cleaning is accomplished by opening the plug or valve connected to the blowoff outlet.

Blowoff Outlets

- Outlets are NPT tapped, at location C.
- Sizes of tapping specified on next page.
- Not normally furnished with plug. Plug available, specify with order.
- Please specify if strainer is to be mounted vertically. If so, the cover will be rotated to position the blowoff at the lowest point.

Capacity

- Generously proportioned bodies
- Open Area Ratio much greater than pipe size, ensuring low pressure drop

Screens

MODEL	SIZES	STANDARD (WATER)		STEAM RECOMMENDATION	
		MATERIAL	OPENING	MATERIAL	OPENING
851M, 852	1/2" - 4"	304SS	.062 perf	304SS	.045 perf
	5" - 8"	304SS	.062 perf	304SS	.045 perf
	10" and Up	304SS	.125 perf	304SS	.062 perf

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

Material

	851M	852
Body	Bronze ASTM B62 (85-5-5-5)	Bronze ASTM B62 (85-5-5-5)
Cover	Bronze ASTM B62 (85-5-5-5)	Bronze ASTM B62 (85-5-5-5)
Gasket	Metal Filled Graphite	Metal Filled Graphite

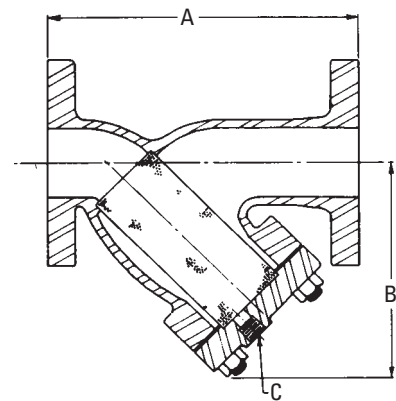
Pressure Drop

- See Pressure Drop Charts in Technical Data Section in the Mueller Steam Specialty Engineering binder.

Dimensions and Weights

SIZE		DIMENSIONS				C		WEIGHT	
		A		B		(NPT)			
in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.
851M									
1/2	15	5 7/8	149	3 1/4	83	3/8	10	7	3.1
3/4	20	7 3/8	187	3 3/4	95	1/2	15	13	5.9
1	25	7 9/8	187	3 3/4	95	1/2	15	13	5.9
1 1/4	30	6 5/8	168	4 5/16	125	1/2	15	17	7.7
1 1/2	40	6 11/16	170	4 5/16	110	1/2	15	17	7.7
2	50	7 7/8	200	5 1/4	133	1/2	15	28	12
2 1/2	65	9 3/4	248	6 1/2	165	1	20	38	17
3	80	10	254	7	178	1 1/4	32	64	29
3 1/2	90	CF	CF	CF	CF	CF	CF	CF	CF
4	100	12 1/8	308	8 1/4	210	1 1/2	40	84	38
5	125	15 1/2	394	11 1/4	286	2	50	140	63
6	150	18 1/2	470	13 1/2	343	2	50	160	72
8	200	24	610	16 1/2	413	2	50	296	134
10	250	27 5/8	702	19 3/8	492	2	50	408	185
12	300	32 1/2	826	22 5/8	575	2	50	798	362
852									
1/2	15	6	152	3 1/4	83	3/8	10	12	50.4
3/4	20	7 13/16	198	3 3/4	95	1/2	15	18	8.1
1	25	7 13/16	198	3 3/8	92	1/2	15	18	8.1
1 1/4	32	8	203	4 1/2	114	1/2	15	26	11
1 1/2	40	8 1/8	206	4 3/4	121	1/2	15	26	11
2	50	9	229	6	152	1/2	15	28	12.7
2 1/2	65	10 5/8	270	7 3/8	187	1	20	48	21
3	80	12 1/2	318	9 1/16	230	1 1/4	32	75	34
3 1/2	90	14 1/8	359	9 1/16	230	1 1/4	32	88	40
4	100	15 1/8	384	10 7/8	276	1 1/2	40	110	50
5	125	18 5/8	479	13 3/16	344	2	50	164	74
6	150	19 1/8	486	15 1/8	403	2	50	212	96
8	200	25 3/16	640	16 1/2	413	2	50	359	163
10	250	29 1/8	740	19 3/8	492	2	50	493	224
12	300	34	864	22 5/8	575	2	50	938	425

*CF = Consult Factory



Model 851M, 852

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A Watts Water Technologies Company

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