

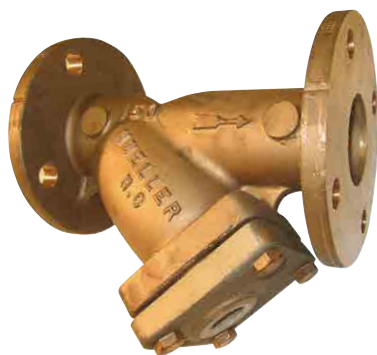
Models: 851M*, 852

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

Pressure/Temperature–Non-Shock		
Model	Material	Rating
851M	Al-Brz	225 psi @ -20° to 150°F
		15.5 bar @ 29°C to 66°C
		150 psi @ 400°F
		11.9 bar @ 200°C
852	Al-Brz	500 psi @ -20° to 100°F
		34.5 bar @ -29°C to 66°C
		375 psi @ 400°F
		26.1 bar @ 200°C

851M
852

Class 150
Class 300



Model 851M

* 851M supersedes model 851.

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

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	0.033 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 _____



A WATTS Brand

Material

	851M	852
Body	Aluminum Bronze ASTM B148	Aluminum Bronze ASTM B148
Cover	Aluminum Bronze ASTM B148	Aluminum Bronze ASTM B148
Gasket	Metal Filled Graphite	Metal Filled Graphite

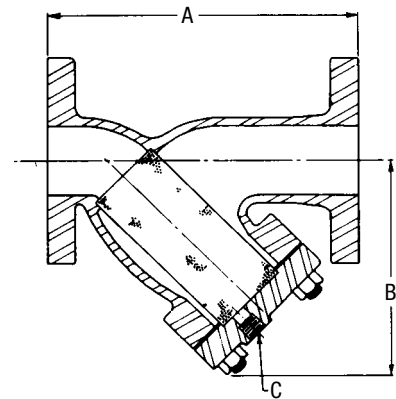
Pressure Drop

- See Pressure Drop Charts found on the Mueller Steam Specialty web site.

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 3/8	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 7/16	468	13 1/2	343	2	50	160	72
8	200	24	610	16 1/2	413	2	50	296	134
10	250	27 3/8	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 5/8	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 3/8	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 3/8	276	1 1/2	40	110	50
5	125	18 3/8	479	13 3/16	344	2	50	164	74
6	150	19 3/8	486	15 7/8	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

Mueller Steam Specialty product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Mueller Steam Specialty Technical Service. Mueller Steam Specialty reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Mueller Steam Specialty products previously or subsequently sold.



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