

Models: 863M-SS, 864M-SS, 865-SS, 866-SS

Cast Stainless Steel Screwed & Socket Weld End Y Strainers Sizes: 1/2" - 2" (15 - 50mm)

Pressure/Temperature - Non-Shock		
Model	Material	Rating
863M-SS,	Stainless	3600psi @-20°F to 100°F
864M-SS	Steel	248.1 bar @ 37.78C
		1525psi @ 1150°F
		105.15 bar @ 621.11C
865-SS,	Stainless	6000psi @-20°F to 100°F
866-SS	Steel	413.69 bar @ 37.78C
		1970psi @ 1150°F
		135.83 bar @ 621.11C

863M-SS Screwed **Class1500**
864M-SS Socket Weld

865-SS Screwed **Class 2500**
866-SS Socket Weld



Model 863M-SS, 864M-SS



Model 865-SS, 866-SS

Typical Service

- Used extensively to strain foreign matter from pipelines and provide economical protection for costly pumps, meters, valves, and other similar mechanical equipment.
- These are especially critical as weld debris is often present in the pipeline.
- Well suited for long service in high pressure and temperature applications.

Features

- Machined seats in both body and cap align and lock the screen in place to stop sediment bypass.
- Machined seats facilitate alignment and accurate reseating after servicing.

Construction

- Most are furnished with a removable bolted cap for easy maintenance.
- NOTE: 1" and smaller 863M-SS and 864M-SS have screwed cap.
- Heavy duty, rugged bodies with extra heavy bore.

Self-Cleaning

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

Blowoff Outlets

- Covers are furnished blind. Socket weld blowoff connection are available, consult factory.
- 1" and smaller 863M-SS and 864M-SS are furnished with NPT tapped blowoff.
- Sizes of tapping specified on next page
- Not normally furnished with plug. Plug available, specify with order.

Capacity

- Generously proportioned bodies
- Open Area Ratio much greater than pipe size, ensuring low pressure drop
- Minimum of 4 to 1 Open Area Ratio

Screens

MODEL	SIZES	STANDARD (WATER)		STEAM RECOMMENDATION	
		MATERIAL	OPENING	MATERIAL	OPENING
All	1/2" - 2"	304SS	.062 perf	304SS	.045 perf

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

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

Material

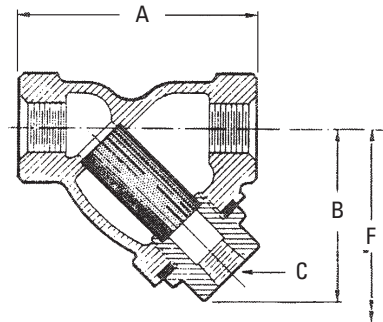
	863M-SS, 864M-SS, 865-SS, 866-SS
Body	Stainless Steel ASTM A351 Gr. CF8M
Cap	Stainless Steel ASTM A351 Gr. CF8M
Gasket	316SS Graphite

Pressure Drop

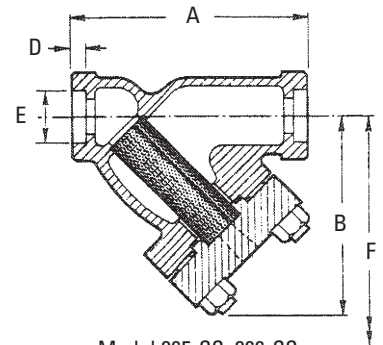
- See Pressure Drop Charts in Technical Data Section in the Mueller Steam Specialty Engineering binder.

Dimensions and Weights

SIZE		DIMENSIONS							WEIGHT						
		A		B		C (NPT)		D		E		F Screen Removal			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.		
863M-SS															
1/2	15	3 ²⁹ / ₃₂	99.2	3	76	1/4	6	—	—	—	—	3 ³ / ₄	95	2.25	1.02
3/4	20	4 ¹ / ₄	108	3 ⁵ / ₈	92	3/8	10	—	—	—	—	4 ³ / ₈	111	3.75	1.7
1	25	5	127	4 ¹ / ₈	105	1/2	14	—	—	—	—	5 ¹ / ₄	133	6.5	2.9
1 1/4	32	8 ³ / ₈	213	7	178	CF	CF	—	—	—	—	7 ³ / ₄	197	22	10
1 1/2	40	8 ³ / ₈	213	7	178	CF	CF	—	—	—	—	7 ³ / ₄	197	22	10
2	50	9 ⁵ / ₁₆	237	7 ³ / ₈	187	CF	CF	—	—	—	—	9	229	30	13
864M-SS															
1/2	15	3 ²⁹ / ₃₂	99.2	3	76	1/4	6	3/8	10	7/8	21.7	3 ³ / ₄	95	2.25	1.02
3/4	20	4 ¹ / ₄	108	3 ⁵ / ₈	92	3/8	10	1/2	13	1 ¹ / ₁₆	27	4 ³ / ₈	111	3.75	1.7
1	25	5	127	4 ¹ / ₈	105	1/2	14	1/2	13	1 ¹ / ₁₆	33.8	5 ¹ / ₄	133	6.5	2.9
1 1/4	32	8 ³ / ₈	213	7	178	CF	CF	1/2	13	1 ¹ / ₁₆	42.5	7 ³ / ₄	197	22	10
1 1/2	40	8 ³ / ₈	213	7	178	CF	CF	1/2	13	1 ¹ / ₁₆	48.6	7 ³ / ₄	197	22	10
2	50	9 ⁵ / ₁₆	237	7 ³ / ₈	187	CF	CF	5/8	16	2 ³ / ₈	61.1	9	229	30	13
865-SS															
1/2	15	12 ⁵ / ₈	321	7 ¹ / ₁₆	195	—	—	—	—	—	—	10 ¹ / ₂	267	9	4
3/4	20	12 ⁵ / ₈	321	7 ¹ / ₁₆	195	—	—	—	—	—	—	10 ¹ / ₂	267	12	5.4
1	25	12 ⁵ / ₈	321	7 ¹ / ₁₆	195	—	—	—	—	—	—	10 ¹ / ₂	267	40	18
1 1/4	32	16 ⁷ / ₈	429	10 ¹ / ₂	267	—	—	—	—	—	—	14 ¹ / ₂	368	75	34
1 1/2	40	16 ⁷ / ₈	429	10 ¹ / ₂	267	—	—	—	—	—	—	14 ¹ / ₂	368	75	34
2	50	17	432	12 ¹ / ₂	318	—	—	—	—	—	—	16 ³ / ₄	425	200	90
866-SS															
1/2	15	12 ⁵ / ₈	321	7 ¹ / ₁₆	195	—	—	3/8	10	7/8	21.7	10 ¹ / ₂	267	9	4
3/4	20	12 ⁵ / ₈	321	7 ¹ / ₁₆	195	—	—	1/2	13	1 ¹ / ₁₆	27	10 ¹ / ₂	267	12	5.4
1	25	12 ⁵ / ₈	321	7 ¹ / ₁₆	195	—	—	1/2	13	1 ¹ / ₁₆	33.8	10 ¹ / ₂	267	40	18
1 1/4	32	16 ⁷ / ₈	429	10 ¹ / ₂	267	—	—	1/2	13	1 ¹ / ₁₆	42.5	14 ¹ / ₂	368	75	34
1 1/2	40	16 ⁷ / ₈	429	10 ¹ / ₂	267	—	—	1/2	13	1 ¹ / ₁₆	48.6	14 ¹ / ₂	368	75	34
2	50	17	432	12 ¹ / ₂	318	—	—	5/8	16	2 ³ / ₈	61.1	16 ³ / ₄	425	200	90



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Apply For Certified Drawings.

*CF = Consult Factory

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