

Models: 451-1/2, 951

Cast Aluminum Screwed & Flanged End Y Strainers

Sizes: 1/4" - 4" (6 - 100mm)

Pressure/Temperature - Non-Shock		
Sizes	Materials	Rating
451 1/2 1/4" - 3"	Cast Aluminum	CWP
		150psi @ 100°F
		10.34 bar @ 37.78°C
951 1/4" - 4"	Cast Aluminum	Steam
		125psi @ 450°F
		8.62 bar @ 232.22°C
951 1/4" - 4"	Cast Aluminum	150psi @ 100°F
		10.34 bar @ 37.78°C
		Steam
		125psi @ 450°F
		8.62 bar @ 232.22 °C

451 1/2
951

Class 125
Class 125



Model 451-1/2



Model 951

Typical Service

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

Features

- Machined seats in both body and cap align and lock the screen in place to stop sediment bypass

Construction

- Screwed end strainers feature a gasketed cap for easy disassembly and assembly. Many others use Loctite, rendering disassembly virtually impossible
- Flanged end strainers use a gasketed cover. O-Ring seals are available.

Self-Cleaning

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

Blowoff Outlets

- Outlets are NPT tapped
- Sizes of tapping is specified on next page
- Not normally furnished with plug. Plugs are available, specify with order

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
451-1/2	1/4" - 3"	304SS	.062 perf	304SS	.062 perf
951	1/4" - 4"	304SS	.062 perf	304SS	.062 perf

Job Name _____

Job Location _____

Engineer _____

Approval _____

Contractor _____

Approval _____

Contractor's P.O. No. _____

Representative _____

Material

	451-1/2, 951
Body	Cast Aluminum ASTM B26 Grade 356.0 T6
Cover/Cap	Cast Aluminum ASTM B26 Grade 356.0 T6

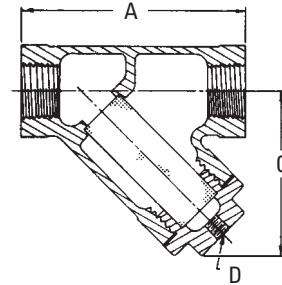
Pressure Drop

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

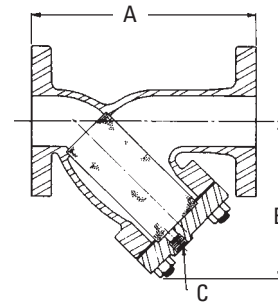
Dimensions and Weights

SIZE		DIMENSIONS								WEIGHT	
		A		B		C		D			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.
451-1/2											
1/4	6	2 ²⁷ / ₃₂	72	—	—	2	51	1/8	3	.03	.01
3/8	10	2 ²⁷ / ₃₂	72	—	—	2	51	1/8	3	.03	.01
1/2	15	3 ⁷ / ₁₆	87	—	—	2 ³ / ₁₆	56	1/8	3	.03	.01
3/4	20	3 ⁷ / ₁₆	87	—	—	2 ¹ / ₂	64	1/4	6	.5	.22
1	25	4 ¹ / ₂	114	—	—	3 ¹ / ₈	79	1/4	6	.08	.03
1 ¹ / ₄	32	5 ¹ / ₁₆	129	—	—	3 ¹¹ / ₁₆	93	3/8	10	1.5	.68
1 ¹ / ₂	40	5 ⁷ / ₈	149	—	—	4 ¹ / ₄	108	1/2	15	2	.9
2	50	6 ³ / ₄	171	—	—	5 ³ / ₈	137	3/4	20	3.5	1.5
2 ¹ / ₂	65	8 ⁵ / ₁₆	211	—	—	6 ¹ / ₂	165	1	25	5	2.2
3	80	11 ³ / ₄	298	—	—	7 ¹ / ₄	184	1	25	12	5.4
951											
1	25	7 ³ / ₈	187	3 ⁵ / ₈	92	1/2	13	—	—	3.1	1.4
1 ¹ / ₄	32	7	177	4 ¹¹ / ₁₆	119	1/2	13	—	—	5	2.2
1 ¹ / ₂	40	7 ⁷ / ₈	181	4 ¹¹ / ₁₆	119	1/2	13	—	—	5	2.2
2	50	8 ⁷ / ₁₆	214	6	152	1/2	13	—	—	9	4
2 ¹ / ₂	65	10 ¹ / ₁₆	256	7 ¹ / ₄	184	1	25	—	—	15	6.8
3	80	11 ³ / ₄	298	9	229	1 ¹ / ₄	32	—	—	20	9
4	100	14 ¹ / ₄	361	11	279	1 ¹ / ₂	38	—	—	30	13.6

Apply For Certified Drawings.



Model 451 1/2



Model 951

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