

# Model: 758

## Cast Iron Flanged Ends Y Strainers Sizes: 3/4" - 24" (20 - 600mm)

Pressure/Temperature - Non-Shock		
Size	Material	Rating
3/4"-12"	Cast Iron	200psi @ -20 to 150°F
		13.79 bar @ 65.56°C
		125psi @ 450°F
14"-24"	Cast Iron	8.62 bar @ 232.22°C
		150psi @ -20 to 150°F
		10.34 bar @ 65.56°C
		100psi @ 353°F
		6.89 bar @ 178.33°C

758

Class 125



Model 758

### 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

- Mueller "BREECH-LOK STRAINERS" furnished as standard in sizes 8" and larger.
  - A one-quarter turn securely locks the screen in its seat.
  - Allows for easy bolting of the cover flange.
  - Tapered seats in both the body and cover flange retain screen and prevent particle bypass

### Construction

- All covers have NPT blowoff outlet at location C. See next page.
- Recessed seat in the cover assures accurate screen alignment.
- Bosses at the inlet and outlet flanges are provided for the gauge taps.

### Self-cleaning

- Self-cleaning is accomplished by opening the plug or valve connected to the blowoff outlet
- Advise when strainers are to be mounted in vertical piping so we can rotate the cover to position the blowoff at the lowest point.

### Blowoff Outlets

- Outlets are NPT tapped
- 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

### Screens

MODEL	SIZES	STANDARD (WATER)		STEAM RECOMMENDATION	
		MATERIAL	OPENING	MATERIAL	OPENING
758	3/4" - 4"	304SS	.062 perf	304SS	.045 perf
758	5" - 10"	304SS	.125 perf	304SS	.045 perf
758	12" and Up	304SS	.125 perf	304SS	.062 perf

Job Name \_\_\_\_\_

Job Location \_\_\_\_\_

Engineer \_\_\_\_\_

Approval \_\_\_\_\_

Contractor \_\_\_\_\_

Approval \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Representative \_\_\_\_\_

## Material

758	
Body	Cast Iron ASTM A126-B
Cover	Carbon Steel ASTM A126-B
Gasket	Compressed Fiber

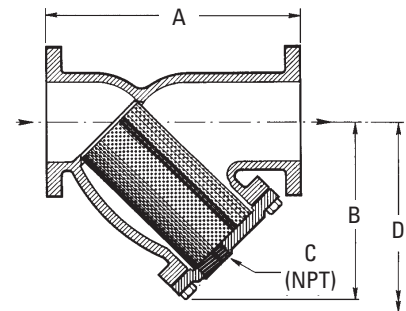
Consult factory for other materials.

## 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 (NPT)		D Screen Removal			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.
¾	20	7⅞	187	3¾	95	½	15	5	127	10	4.5
1	25	7⅞	187	3⅞	98	½	15	5	127	10	4.5
1¼	32	7½	190	4¾	120	½	15	6½	165	13	5.9
1½	40	7½	190	4¾	120	½	15	6½	165	13	5.9
2	50	7⅞	200	5¼	133	½	15	7	178	18	8
2½	65	10	254	6½	165	1	25	9¾	248	28	12
3	80	10⅞	257	7	178	1	25	10	254	34	15
4	100	12⅞	308	8¼	210	1½	40	12	305	60	27
5	125	15⅝	397	11¼	286	2	50	17	432	95	43
6	150	18½	470	13½	343	2	50	20	508	133	60
8	200	21⅞	549	15½	394	2	50	22¾	578	247	112
10	250	25¾	654	18½	470	2	50	28	711	370	168
12	300	29⅞	759	21¾	553	2	50	30	762	579	263
14	350	33¼	846	25	635	2	50	36½	927	863	392
16	400	38¾	984	26½	673	2	50	42	1067	1380	627
18	450	43⅞	1105	31	788	2	50	45½	1156	2272	1032
20	500	49½	1257	38⅜	970	2	50	55⅞	1407	2675	1213
24	600	58½	1486	44⅜	1119	2	50	67¼	1708	4880	2213



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Apply For Certified Drawings.

