

# Engineering Specification

Job Name \_\_\_\_\_  
 Job Location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Approval \_\_\_\_\_

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

**LEAD FREE\***  
**CAST LEAD FREE\***

## Bronze Screwed and Solder Y Strainers

Models: LF351 Screwed, Class 125  
 LF352 Screwed, Class 250  
 LF358 Solder, Class 125  
 Sizes: 1/4" - 3" (8 - 80mm)

### Typical Service

- Used to strain foreign matter from pipelines and provide economical protection for costly pumps, meters, valves, and other similar mechanical equipment.
- Lead Free\* construction to comply with lead free installation requirements.

### Features

- Machined seats in both body and cap align and lock the screen in place to stop sediment bypass.
- Lead Free\* materials of construction.

### 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 are specified on next page.
- Not normally furnished with plug. Plug is 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
All	1/4" - 2"	304SS	20 mesh	304SS	30 mesh
	2 1/2" - 3"	304SS	.062 perf	304SS	.045 perf



LF351 Screwed ends (shown)  
 LF352 Screwed ends



LF358 Solder ends

Pressure/Temperature - Non-Shock		
Model	Material	Rating
LF351	LF Bronze	200psi @ -20 to 150°F 13.8 bar @ 66°C 150psi @ 350°F 10.3 bar @ 177°C
LF352	LF Bronze C87800	400 psi @ -20 to 150°F 27.6 bar @ 66°C 300psi @ 350°F 20.7 bar @ 177°C
LF358	LF Bronze C87800	400psi @ -20 to 100°F 27.6 bar @ 37.8°C

### Materials

LF351, LF352, LF358	
Body	C87800
Cap	C87800
Screen	304SS
Gasket	Metal Filled Graphite



\*In accordance with NSF 61/NSF 372, wetted surfaces contain less than 0.25% lead by weight. Models qualify as "LEAD FREE" products.

### 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.

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.



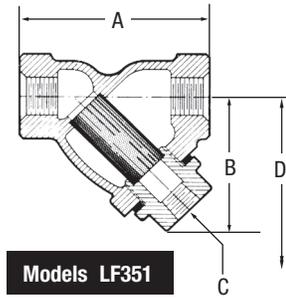
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## Pressure Drop

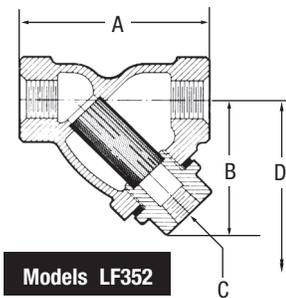
- See Pressure Drop Charts in Technical Data Section of the Mueller Steam Specialty Engineering binder.
- Pressure drops are the same as previous models 351M, 352M, 358S.

## Dimensions and Weights

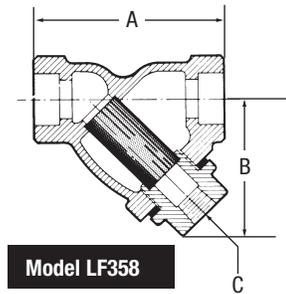
SIZE		DIMENSIONS								WEIGHT	
		A		B		C (NPT)		D SCREEN REMOVAL			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg
<b>LF351</b>											
1/4	8	2 3/4	70	2 1/16	53	1/4	6	2 1/2	64	0.78	0.35
3/8	10	2 3/4	70	2 1/16	53	1/4	6	2 1/2	64	0.76	0.34
1/2	15	2 3/4	70	2 1/16	53	1/4	6	2 1/2	64	0.7	0.32
3/4	20	3	76	2 3/16	55	3/8	10	2 5/8	67	0.94	0.43
1	25	3 3/4	95	2 1/2	64	3/8	10	3 3/8	86	1.46	0.66
1 1/4	32	4 7/16	113	3 5/8	92	3/4	20	4 5/8	117	2.87	1.30
1 1/2	40	4 15/16	125	3 1 1/16	93	3/4	20	5	127	3.57	1.62
2	50	6 1/8	156	4 3/4	121	1	25	6 7/8	175	5.76	2.61
2 1/2	65	8 1/4	210	6	153	1 1/4	32	8 3/4	222	11.7	5.30
3	80	9	229	6 3/4	171	1 1/2	38	9 3/4	248	15.8	7.16
<b>LF352</b>											
1/4	8	2 3/4	70	2 1/16	53	1/4	6	2 1/2	64	1.03	0.47
3/8	10	2 3/4	70	2 1/16	53	1/4	6	2 1/2	64	0.76	0.34
1/2	15	2 3/4	70	2 1/16	53	1/4	6	2 1/2	64	0.7	0.32
3/4	20	3	76	2 3/16	55	3/8	10	2 5/8	67	1.38	0.63
1	25	3 3/4	95	2 1/2	64	3/8	10	3 3/8	86	2.22	1.01
1 1/4	32	4 7/16	113	3 5/8	92	3/4	20	4 5/8	117	4.01	1.82
1 1/2	40	4 15/16	125	3 1 1/16	93	3/4	20	5	127	5.1	2.31
2	50	6 1/8	156	4 3/4	121	1	25	6 7/8	175	8.32	3.77
2 1/2	65	8 1/4	210	6	153	1 1/4	32	8 3/4	222	15.5	7.02
3	80	9	229	6 3/4	171	1 1/2	38	9 3/4	248	20.9	9.47
<b>LF358</b>											
1/4	8	3	76	1 15/16	50	1/4	6	1/4	6	0.56	0.25
3/8	10	3	76	1 15/16	50	1/4	6	1/4	6	0.62	0.28
1/2	15	3	76	1 15/16	50	1/4	6	1/4	6	0.57	0.26
3/4	20	3 1 1/16	94	2 1/16	53	3/8	10	3/8	10	0.91	0.41
1	25	4 3/4	121	2 7/16	62	3/8	10	3/8	10	1.62	0.73
1 1/4	32	5 7/16	138	3 9/16	90	3/4	20	3/4	20	2.84	1.29
1 1/2	40	5 15/16	151	3 1 1/16	93	3/4	20	3/4	20	3.95	1.79
2	50	7 9/16	192	4 13/16	122	1	25	1	25	5.84	2.65
2 1/2	65	9 3/4	248	6 3/16	157	1 1/4	32	1 1/4	32	14.4	6.52
3	80	10 3/8	264	6 7/8	175	1 1/2	38	1 1/2	38	14.4	6.52



Models LF351



Models LF352



Model LF358

**Limited Warranty:** Mueller Steam Specialty warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge. This shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication or improper installation of the product. **THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** Any implied warranties that are imposed by law are limited in duration to one year.

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