

Installation, Operation and Maintenance Manual

“Y” Strainers

⚠ WARNING



Read this Manual BEFORE using this equipment.
Failure to read and follow all safety and use information can result in death, serious personal injury, property damage, or damage to the equipment.
Keep this Manual for future reference.

Before installing the “Y” strainer, be sure its pressure rating is correct for the system. If the end connections are threaded or designed for soldering or brazing, be sure the piping is straight and not at an angle or offset. If the strainer has flanged ends, be sure the flanges of the connecting piping are square with the pipe so that no undue stresses are put on the strainer or piping when tightening flange bolts. Tighten in sequence, crossing to opposites.

For maximum efficiency, a differential pressure gauge installed across the inlet and outlet will indicate pressure loss due to clogging and may be used as a guide to determine when cleaning is required. Normally, when differential pressure reaches 5–10psi, screen must be cleaned. If the strainer is equipped with a blow-down valve, open and flush out until any sediment is removed. If the strainer is not fitted for blow-down cleaning, (strainer must be off line), remove the cover or cap and clean the screen. Reinstall the screen in the strainer in the same position as before and tighten cover or cap. Replace the gasket if necessary. Keeping a spare, clean screen will minimize shut down time.

Warning

Individuals performing removal and disassembly should be provided with suitable protection from possibly hazardous liquids.

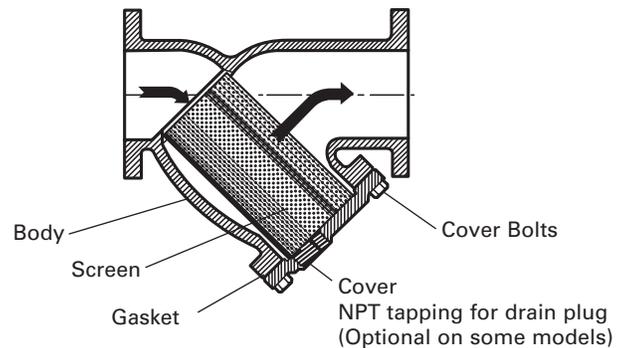
Note: Large size “Y” strainers are supplied with Breech-Lok screens. To remove screen, rotate screen 45°, Breech-lok will disengage.

Spare Parts

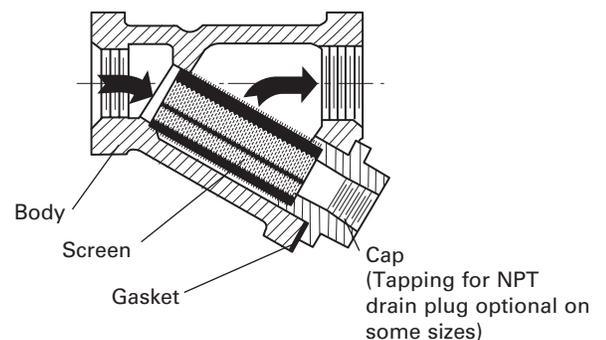
To order replacement screens or gaskets, which are the only items normally required, you should specify the following:

- A. Size and model number of strainer or casting number as it appears on the body of the strainer
- B. Specify the type of service. For example: water, steam, gas, oil, air. The working pressure and temperature of the system and the particle size to be strained out should also be specified.

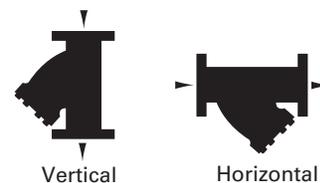
Typical flanged end “Y” strainer



Typical threaded “Y” strainer



Mounting Positions



The cover of the “Y” side should face down

Table A

Cap and Bolt Torques

MODELS	11M	251DI	LF351 LF352 LF358	581 582	861 862	861BC 862BC
Unit Size	Torque (ft-lbf)	Torque (ft-lbf)	Torque (ft-lbf)	Torque (ft-lbf)	Torque (ft-lbf)	Torque (ft-lbf)
1/4	30	25	30	90	120	60
3/8	30	25	30	90	120	60
1/2	30	25	30	90	160	85
3/4	65	45	50	170	225	120
1	80	55	60	240	315	155
1 1/4	135	75	75	325	545	220
1 1/2	150	95	100	450	940	250
2	240	205	210	600	1200	300
2 1/2	600	30	295		1450	350
3	750	40	295			

MODELS	752	758	764	765M	766	767	781	782	851M 852	911U
Unit Size	Torque (ft-lbf)									
1/4										
3/8										
1/2			30	30	45	100				
3/4	45	45	90	45	65	100	45	45	45	
1	45	45	90	75	125	185	45	45	45	
1 1/4	20	20	135	65	110	185	20	20	20	
1 1/2	20	20	135	65	130	275	20	20	20	
2	15	15	90	80	200	450	15	35	35	
2 1/2	20	20	135	120	200	450	20	50	50	50
3	25	25	160	150	475	600	25	40	40	50
4	40	40	130	250	730	1300	40	65	65	60
5	30	30	105	250	850	1450	30	75	75	70
6	35	35	85	300	980	1580	35	75	75	70
8	35	35	190	550	1100	1650	35	125	125	70
10	45	45	580	780			45	125	125	75
12	45	45	540				45	115	115	75
14	45	45					45	300	300	
16	55	55					55	260	260	
18	60	60					60	320	320	
20	130	130					130	535	535	
24	105	105					105	570	570	

Torque noted is for threaded caps on small strainers, and for each bolt on larger strainers with bolted covers.

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.

Some States do not allow limitations on how long an implied warranty lasts, and some States do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights.



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