



IMPORTANT NOTICE - READ CAREFULLY

2053T Installation & Maintenance Instructions

Strainer Installation Instructions

1. Ensure all machined surfaces are free of defects and that the inside of the strainer is free of foreign objects.
2. For horizontal pipelines, the strainer should be installed so that the blow-down connection is pointed downwards.
3. For flanged end strainers, the flange bolting should be tightened gradually in a back and forth clockwise pattern. Threaded end strainers should use an appropriate sealant.
4. Once installed, increase line pressure gradually and check for leakage around joints.
5. If the strainer is supplied with a start-up screen, monitor pressure drop carefully.

IMPORTANT: Ultimate responsibility for strainer and material selection rests with the customer, as only the customer knows the particular use to which the strainer will be put and the exact operating parameters to which it will be subjected.

Strainer Removal Instructions

1. Drain piping.
2. Vent line to relieve pressure.
3. Loosen flange bolts (flanged ends).
4. Secure necessary lifting equipment to strainer assembly.
5. Either remove inlet/outlet flange bolts (flanged end), cut pipe (socket weld, butt-weld and sweat end) or unthread (threaded ends) and carefully remove strainer.

Caution should be taken due to possible emission of process material from piping.

Strainer Removal Instructions

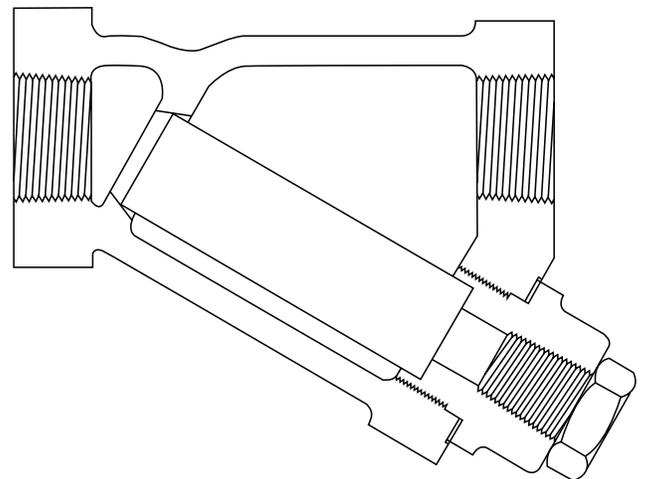
For maximum efficiency, determine the length of time required for the pressure drop to double the clean condition pressure drop. Once the pressure drop re-aches an unacceptable value, shut down line and follow the "Basket Removal Instructions" above. A pressure gauge installed before and after the strainer inline will indicate pressure loss due to clogging and may be used to determine when cleaning is required

Diagnostic Techniques

- After pressurizing, inspect cover and other joints for leakage. Gasket replacement or cover tightening is necessary if leakage occurs.
- If the required filtration is not taking place, ensure that the screen is installed in the correct position (flush to the upper and lower screen seating surfaces).

Torque Values for Y-Strainers

Bolt Size	Propulsive Force	Torque Value [lbf*ft] (Spiral wound gasket)	Torque Value [lbf*ft] (Teflon gaskets)
3/8"	2670	12.5	17.7
1/2"	5620	26.6	35.4
5/8"	8990	51.6	60.4
3/4"	13300	90	105
7/8"	18400	142	167
1"	24100	212	
1 1/8"	31500	305	
1 1/4"	39800	420	
1 3/8"	49200	561	



WARNING: It is unlawful in CALIFORNIA & VERMONT (effective 1/1/2010); MARYLAND (effective 1/1/2012); LOUISIANA (effective 1/1/2013) and the UNITED STATES OF AMERICA (effective 1/4/2014) to use any product in the installation or repair of any public water system or any plumbing in a facility or system that provides water for human consumption if the wetted surface area of the product has a weighted average lead content greater than 0.25%. This prohibition does not extend to service saddles used in California, Louisiana or under USA Public Law 111-380.