



FLO FAB

INSTRUCTION

June 10, 1997 - Update

11-460R-E19

(R/P. (95/96): 11-460-E10)

INSTALLATION, INSTRUCTIONS AND MAINTENANCE *FOR FLO FAB STRAINERS*

SAFETY

Personal involved in the installation, maintenance, or removal of strainers from pipelines should be constantly alert to potential leakage or emission of process material and take appropriate precautions to insure safety. Strainers which have been removed from service should be handled assuming the presence of process material within the system. Personal should be suitably protected.

INSTALLATION

Prior to installation, the strainers mating flanges should be inspected to assure gasket surfaces are free of defects. Strainers should not be mounted between flanges having defective gasket surfaces. Piping should be checked for proper alignment. The distance between pipe flanges should be checked to assure sufficient clearance for strainer's installation. The strainer must be visually centered with respect to the flange faces, or may be centered with flange bolting. Flange boltings should be tightened gradually in a crisscross manner. Bolting should then be tightened sufficiently to prevent loosening of the joint or gaskets

MAINTENANCE

Strainers require periodic maintenance and cleaning is required throughout the life of the product. It is, however, recommended that the following practices be followed on at least a monthly bases:

1. Operate the blowdown valve to remove debris in the basket.
2. Check fasteners for evidence of loosening and correct as required.
3. Inspect valve and surrounding area for previous or existing leakage at flange faces or at the blowdown valve.

FLO FAB "Y" TYPE STRAINERS AND BASKET STRAINERS

For maximum efficiency, determine the length of time it takes for screens or baskets to become approximately 1/3 clogged. If strainer is equipped with a blow-down valve and open bottom screen or basket, open valve until sediment is removed. Where strainer is not fitted for blow-down, remove cover and clean screen or basket. Replace gasket if necessary. A spare screen or basket will facilitate shorter "Shut-down time" during cleaning. A pressure gauge installed before and after the strainer in-line will indicate pressure loss due to clogging and may be used as a guide to determine if cleaning is required.

**FLO FAB INC
LAKE WORTH,
FLORIDA, USA**



FLO FAB

INSTRUCTION

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INSTALLATION, INSTRUCTIONS AND MAINTENANCE (CONTINUATION)

FOR FLO FAB STRAINERS

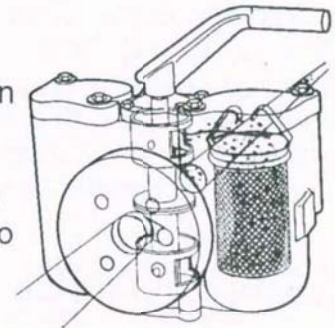
FLO FAB DUPLEX BASKET STRAINERS

For maximum efficiency, determine the length of time it takes for screens or baskets to become approximately 1/3 clogged. Once cleaning is required isolate the strainer chamber in which cleaning is to take place by the use of the manual actuator supplied. The manual actuator allows flow to be diverted to the other parallel strainer chamber without any interruption in fluid flow. When flow diversion is completed remove cover and clean basket. When cleaning is completed replace basket in strainer in original position and replace gasket if necessary.

Repeat the above for the other strainer chamber when necessary. A installed pressure gauge before and after strainer inline will indicate pressure loss due to clogging and may determine if cleaning is required. Use in systems where the continuous flow of filtered liquid needs to be maintained and not interrupted to change or replace strainer baskets.

OPERATION DUPLEX BASKETS STRAINERS

Each strainer has one straining chamber located on each side of the main valve. Liquid flow can be diverted from one to the other by changing the position 180 degrees of the lever handle mounted on top of the main valve. The position of this handle indicates which straining chamber is in use, i.e. When the handle is directly over the chamber, and right angles to the pipeline flow, only the chamber below is in use. The other chamber basket can then be removed for cleaning or replacement without interrupting liquid flow.



TROUBLE SHOOTING GUIDES AND DIAGNOSTIC TECHNIQUES

1. After pressurizing, inspect cover to check for leakage between flanges. Gasket replacement or cover tightening is necessary if leakage occurs.
2. If the required filtration is not taking place, ensure basket is installed in correct position, that being flush to the body support ring.

SPARE PARTS

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

- A) Size, figure number and filtration requirements of strainer.
- B) Specify service, i.e. water, steam, gas, air or oil.

NON-STANDARD UNITS

FLO FAB can design and fabricated your strainer to suit your operational and maintenance needs.

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