



Metraflex Basket Strainer with Bolt Down Covers

OPERATION, INSTALLATION AND MAINTENANCE INSTRUCTIONS

General: Metraflex bolt on cover cast iron, flanged basket strainers are typically used to capture and protect downstream equipment from harmful debris or particulate. There are standard or custom size screens in the strainer body that capture this debris. For very fine particulate smaller than 100 mesh, filters not strainers should be considered. The strainers should be specified to match the temperatures and pressures of the system.

Application:

1. The bolt on cover basket strainer can be used in any fluid, water oil or gas, application not exceeding the maximum temperature and pressure rating.
2. The strainer should be installed horizontally with the flow arrow pointing in the direction of flow.
3. Pressure and temperature ratings listed on the submittal drawing must not be exceeded.
4. Verify the strainer materials are compatible with the system media.

Installation:

1. Inspect strainer for shipping damage.
2. All mating flanges must be square to one another.
3. 1/16" thick standard ring or full face gaskets are recommended.
4. Flow arrow must point in the direction of flow.
5. Torqueing of the flange bolts must be gradual and cross tightened per industry standards.

Testing:

The Basket Strainer may be one-time pressure tested to 1-1/2 times the products maximum operating pressure. Do not exceed the maximum rated pressure or temperature during operation

Operation:

While the system is running the strainer is constantly capturing dirt and debris. As this debris accumulates the flow thru the strainer is being constricted and the pressure drop caused by this constriction will continue to increase. To remove debris from the strainer shut down the system, isolate and remove pressure from the strainer, then remove the screen by removing the bolt on cover.

Maintenance:

1. No maintenance is required other than periodically cleaning the screen. Per the operating procedures above.
2. When removing the cover, the gasket is likely to rip. The old gasket should be completely removed and replaced.

