



Metraflex BSN Bronze Silent Check Valve

OPERATION, INSTALLATION AND MAINTENANCE INSTRUCTIONS

General: Metraflex BSN Silent Check Valves are center guided spring-loaded single disc valves used to prevent backflow, while also minimizing the effects of water hammer due to the reversal of fluid flow operating smoothly and silently. The BSN valve features a bronze body and PTFE disc and female NPT threaded ends.

Application:

1. The valve can be installed either horizontally or vertically, with the flow arrow pointing in the direction of flow when the system is in operation. Consult Metraflex If installing in vertical down flow applications.
2. Center guided spring loaded check valves are designed for fluid applications. They are not designed for use in applications that include particulate matter or suspended solids.
3. Installing valve with 5 to 10 diameters of straight pipe upstream of the valve is recommended to prevent turbulent flow streams through the valve, which can cause vibration and wear. If the valve is installed with less than 5 - 10 pipe diameters Metraflex recommends the installation of a Vane Flex.

Installation:

1. Inspect valve for shipping damage, insure all parts are intact.
2. Thread sealing compound or PTFE tape are recommended to et a good seal on the female threads of the valve.
3. Flow arrow must point in the direction of flow when system is operating.
4. The valve and adjacent piping must be supported and aligned to prevent stress from being transferred to the valve's flanges.

Testing:

Valve may be one-time pressure tested to 1-1/2 times the product's maximum operating pressure. Do not exceed maximum pressure or temperature during operation.

Storage:

Store valves with flow arrows pointing upwards.

Maintenance:

Silent Check Valves have no serviceable parts and do not require maintenance. Metraflex recommends periodic inspection.

