

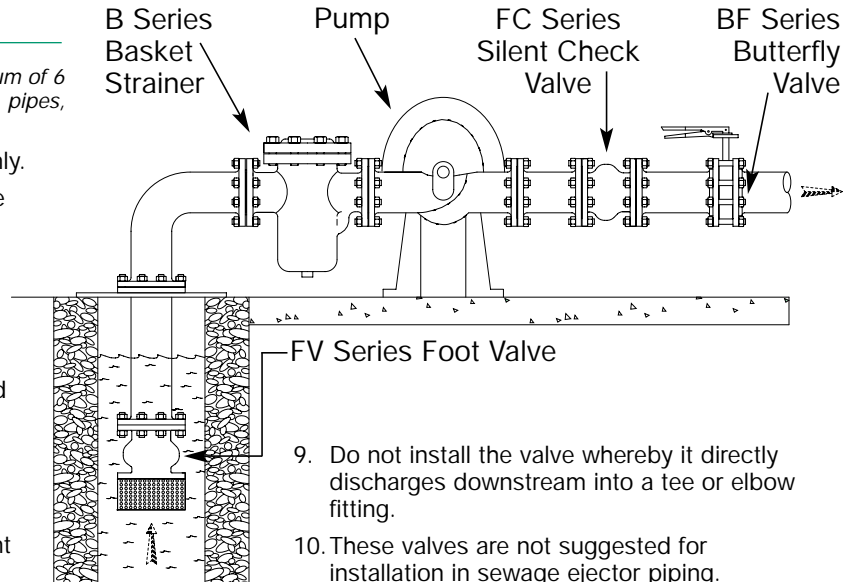
FLANGED FOOT VALVES

INSTALLATION AND MAINTENANCE INSTRUCTIONS

INSTALLATION

Foot valves should be installed, if possible, a minimum of 6 pipe diameters from other line elements, i.e. elbows, pipes, valves, etc.

1. Valves may be installed upward vertically only.
2. Install the valve with proper positioning of the flow arrow.
3. Support and align adjacent piping and the valve.
4. Install lubricated flange bolts.
5. Hand tighten, then torque the bolts using the crossover flange bolt tightening method to load the bolts evenly and eliminate concentrated stresses.
6. Valves must be mounted to ANSI flanges with conventional flat face or ring gaskets.
7. Proper centering of the gaskets is important to prevent internal leakage.
8. Do not install foot valve directly against another valve whereby the check valve discharges downstream directly into the valve.



9. Do not install the valve whereby it directly discharges downstream into a tee or elbow fitting.
10. These valves are not suggested for installation in sewage ejector piping.
11. Never lift the valve by the bronze or stainless steel trim.

PRECAUTIONS

- Individuals performing removal and disassembly should be provided with suitable protection from possible hazardous liquids.
- Do not install foot valve directly against another valve whereby the foot valve discharges downstream directly into the valve.
- Foot valves are not recommended for installation in sewage ejector piping.
- Prior to disassembly, the valve must first be isolated from the system's (electrically isolated pump) pressure and flow.

MAINTENANCE

1. Individuals performing removal and disassembly should be provided with suitable protection from possibly hazardous liquids.
2. Prior to disassembly, valve must first be isolated from system pressure and flow.
3. To replace screen remove two screen retainer bolts, replace the screen and reassemble retainer bolts.
4. To replace gasket, first dismantle the screen and then remove nuts of the strainer flange studs and separate the gasket from foot valve. Replace the gasket and reassemble in the reverse order.
5. To replace the valve seat, first dismantle the screen, screen flange and then remove two seat retaining counter-sunk screws and take out the valve seat. Replace the valve seat and reassemble in reverse order.
6. Lubricate bolts/nuts, hand tighten, then torque the bolts using the crossover flange bolt tightening method to load the bolts evenly, and eliminate concentrated stresses.

WARNING: This product operates in pipelines or with equipment that carries fluids and/or gasses at elevated temperatures and pressures. Caution should be taken to make sure that this equipment is installed correctly and inspected regularly. Caution should also be taken to protect personnel in the event of leakage of fluids or gasses.

FOOT VALVES