

BUTTERFLY VALVES

INSTALLATION-OPERATION-MAINTENANCE

SERIES BFV

For Parts and Service contact Penn Pump and Equipment Co., Inc.
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INSTALLATION INSTRUCTIONS

1. Personnel involved in the installation or maintenance removal of butterfly valves from pipelines should be alert to potential leakage or emission of process material and take appropriate precautions to insure safety.
2. Install valve in the fully closed position to prevent damage to the disc sealing surface.
3. Confirm that valve is designed for use with any industry standard flange suitable for the system pressure and temperature.
4. For correct installation, follow flange manufacturer's installation instructions.

PERFORMANCE GUIDELINES

1. When utilized for liquids, pipeline velocity should not exceed 20 feet per second. When used for gases, line velocity should not exceed 15,000 feet per minute.
2. The Series BFV Butterfly Valve is not recommended for steam service.
3. Maximum temperature can be limited by seat material. Consult factory.

MAINTENANCE INSTRUCTIONS

1. Butterfly valves are designed such that no periodic maintenance or lubrication is required. However, to ensure optimum performance, the following practices should be followed on a monthly basis.
2. Operate the valve from full open position to closed position to assure operability.
3. Check fasteners for evidence of loosening and correct as required.
4. Inspect valve and surrounding area for previous or existing leakage at flange faces or stem connections.
5. Check piping and/or wiring to actuators and related equipment for loosening, corrosion, or defects.
6. Valves that have been removed from service should be handled assuming the presence of process material within the valve. Personnel should be alert to potential leakage or emission of process material and should be suitably protected.

VALVE REMOVAL

1. Prior to loosening the coupling bolts, with the valve in the open position, drain the piping run as much as possible and vent pipeline to relieve pressure.
2. Close valve, disconnect air and electric lines from actuator, and tag for reinstallation.
3. Secure necessary lifting equipment to valve assembly.
4. Remove flange bolts and carefully remove valve from between pipe flanges.

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