

INSTALLATION INSTRUCTIONS FOR BUTTERFLY VALVES

INSTALLATION

1. Flush piping system before valve installation.
2. Inspect the valve port and seating surfaces for contamination and damage.
3. Verify the rating and the materials of the valve are compatible with the intended service conditions.
4. Support the valve to prevent unnecessary stresses induced by connecting the piping.
5. Butterfly valves are designed for installation between pipe flanges. The valve does not require gaskets or additional seals.
6. Wafer butterfly valves should be centered between the flanges by installing bolts through the alignment holes and rotating the valve into position. There should be full and even contact with the disc in the almost closed butterfly position. Never force the valves into place if flange spacing is incorrect as damage can occur to the elastomer liner seal.
7. Prior to tightening any flange bolts, the valve should be carefully cycled to the open position to check for possible disc interference. Interference may occur when the butterfly valve is connected to pipe with extra heavy wall thickness. Corrective action would include tapering the pipe ID, or the use of spool spacer pieces.
8. Tighten the bolts to obtain metal to metal contact between the valve body and the pipe flanges.
9. Verify that the actuator travel stops are correct and adjust as necessary. Consult the specific actuator adjustment instructions.

OPERATION

1. Manual butterfly valves can be operated by a hand lever or a gearbox hand wheel. It is usually recommended that gearbox operators be used for valve sizes 10" and larger. The lever handle indicates disc position. Gear operators provide position indication with a dial located on the top of the operator.
2. See separate instructions for mounting electric or pneumatic actuators.

INSPECTION & MAINTENANCE

1. Butterfly valves require no maintenance, except that periodic cycling of the valve is helpful. Valves that are used infrequently should be opened on a regular basis to prevent the build up of contamination material inside the valve

REPAIR PARTS

1. Under normal conditions, spare parts are not required. Consult with CR-TEC Engineering for available repair parts, and electric or pneumatic operators.