



Models 84 & 84-G (3" & 4")

WAFER BUTTERFLY VALVE INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

INSTALLATION

- 1) Thoroughly clean and prepare the piping system before valve installation.
- 2) Inspect the valve port and seating surfaces for cleanliness just prior to installation.
- 3) Support the valve to prevent unnecessary stresses induced by connecting pipe.
- 4) Be sure the rating of the valve is compatible with the intended service conditions.
- 5) Operate the valve from the open to closed position.
- 6) Butterfly valves are designed for installation between Class 125 cast iron or Class 150 flanges. Resilient seated butterfly valves do not require gaskets for installation.
- 7) Wafer butterfly valves should be centered between the flanges by installing bolts through the alignment lugs and rotating the valve into position. There should be full and even contact between the elastomer and the flange face. The valve should be installed with the disc in the almost closed position. It is recommended that butterfly valves on horizontal installations have the stem in the horizontal position. Never force the valve into place if flange spacing is incorrect as damage can occur to the elastomer.
- 8) 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 installed on systems using pipe that has extra heavy wall thicknesses. Corrective action would include tapering the pipe ID, or the use of spool pieces.
- 9) Tighten the bolts to obtain metal to metal contact between the body and the flange. Consult the catalog for bolt or cap screw length and diameter.
- 10) Verify the gear operator travel stops after installation. Adjust as necessary.

OPERATION

Manual butterfly valves can be operated by a lever handle or a gear operator. It is usually recommended that gear operators be used for valves 8" and larger. The lever handle gives an indication of disc position. Gear operators provide position indication with an indicator dial located on the top of the operator. Valves that are used infrequently should be cycled on a regular basis from open to closed to prevent the build-up of material inside the valve.

INSPECTION & MAINTENANCE

Butterfly valves require no routine maintenance. Periodic cycling of the valve is highly recommended.

REPAIR PARTS

Under normal conditions, spare parts are not required. Consult factory for availability of repair parts.

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