



INSTALLATION & MAINTENANCE MANUAL

SERIES 750/751

Iron Body Butterfly Valves



INSTALLATION INSTRUCTIONS

Triad butterfly valves are bi-directional allowing control of fluid flow and sealing in either direction, and are designed for installation between the faces of 125#/150# ANSI flanges. They do not require gaskets; the integral seat serves as the gasket. The wafer and lug bodies have bolt hole locations for alignment and attachment with mating flanges.

Prior to installation, close the valve. Spread the flanges apart far enough to allow the valve to slip easily between the flanges. Insert the valve between the flanges. Be sure to center the valve and not damage the liner. Allow the flanges to return to their un-spread state. Install and hand-tighten all flange bolts. Slowly open the valve, checking for free movement of the disc. If no obstruction is encountered, leave valve in the open position and tighten all flange bolts. Be certain to keep flange faces as parallel as possible during and after tightening bolts or studs. After final tightening, again check the valve for full opening and closing.

Lug style bodies used for dead end service must be installed as marked on the body (inlet – outlet).

MAINTENANCE

No regular maintenance or lubrication is required.

VALVE DISASSEMBLY

1. After removal of valve from the piping system, open the valve fully;
2. Remove the handle or actuator;
3. Remove the stem retaining pins (5 & 6);
4. Pull out the upper stem (9);
5. Pull out the bottom stem (13);
6. Remove the disc (1) from the liner (2). Do not damage the disc edge;
7. Remove the liner (2);
8. If the valve has bushings and o-rings, remove by tapping with blunt instrument;
9. Inspect all components for wear and replace as required.

VALVE ASSEMBLY

1. Clean all reusable parts;
2. If valve has bushings and o-rings, tap them carefully;
3. Apply a lubricant or soapy solution compatible with elastomers to facilitate assembly;
4. Insert liner (2) into body by pressing it into the body evenly;
5. Insert disc (1) in open position into liner. Make certain broached end of disc is at the upper stem end of the body;
6. Coat the upper stem (9) with a general purpose lubricant & install into body;
7. Install bottom stem (13);
8. Install retaining pins (5 & 6) to both stems;
9. Install the operator;
10. Check assembly by opening & closing the valve several times;
11. Follow installation instructions for reinstalling the valve in the piping system.

