

## **Installation:**

To install, simply close the valve, position between the flanges and assemble the valve to the flanges with studs or cap screws. Do not use flange gaskets. The butterfly valves can be installed with the disc closed. Before hand tightening the flange bolts, fully open the disc to ensure disc O.D. clearance with pipe I.D. Hand tighten the flange bolts and close the valve to check for valve disc and pipe clearance. If contact is made, reposition as necessary and tighten all flange bolts to proper torque specification.

## **Maintenance and Repair**

No regular maintenance or lubrication is required. Factory assembly procedures provide adequate lubrication for the life of the valve. To replace any component, remove valve from the line by fully closing valve disc. Spread flanges, remove all bolts then remove valve from line.

## **Testing**

All butterfly valves are bi-directionally tested to 110 percent of rated working pressure for sealing. Test certification is available upon request at time of order.

## **Flanges**

PN10/16 cast iron, steel, raised face weld neck, slip on and threaded flanges are suitable for use with our butterfly valves. Please contact the factory for proposed installation with plastic flanges.

## **Warranty**

All products manufactured by us are warranted against defects in material and workmanship for a period of 1 year from date of installation.