



## Bronze Globe Valve Installation, Operation and Maintenance Instructions

### Installation

- 1) Before valve installation thoroughly clean and prepare piping system, be sure mating pipe threads are free from excessive grit, dirt or burrs.
- 2) Inspect the valve ports and seating surfaces for cleanliness just prior to installation. Take care to assure that pipe sealant is not excessively applied to the pipe threads, as to foul the valve seat.
- 3) Use pipe sealant on threaded valves, which is recommended for valve, end use.
- 4) Use solder on solder joint valves, which is recommended for valve, end use.
- 5) Support the valve to prevent unnecessary stresses induced by the connecting pipe.
- 6) Operate the valve from the full open to closed position.
- 7) Verify the tightness of the packing nut after installation.

### Operation

- 1) Globe valves are operated manually. To open, turn the handle in a counterclockwise direction. To close, turn the handle in a clockwise direction.
- 2) If the handwheel is difficult to turn, loosen packing nut  $\frac{1}{4}$  to  $\frac{1}{2}$  turn. Retighten packing nut after open-close operation is completed.

### Inspection and Maintenance

- 1) Periodic inspection of the valve is recommended.
- 2) If a valve develops a stem packing leak, adjust the packing nut to increase the pressure on the stem packing. The packing nut should be turned in a clockwise direction approximately  $\frac{1}{4}$  to  $\frac{1}{2}$  turn.
- 3) If tightening the packing nut does not stop the leak, the backseat on rising stem valves can be used to limit the leakage until circumstances permit a system shutdown and packing replacement.
- 4) Stem packing replacement with the valve under pressure and backseated represents a hazard and should not be undertaken. The hazard is magnified as fluid pressure or temperature increases or when the fluid is toxic.

### Repair Parts

Parts that may be considered as recommended spare parts are:

Handwheels, Handwheel nut, Packing, Packing gland, Packing nut, Disc

When ordering parts, please provide figure number, size, part needed and age of valve.