INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS

# FNW1231/FNW1232
## BRONZE GLOBE VALVES

## BRONZE GLOBE VALVES RISING STEM

### APPLICATION
- Medium: Water
- Maximum working pressure: 200 CWP
- Connection:
  - FNW1231 NPT Ends (Sizes 1/4" to 3")
  - FNW1232 Solder Ends (Sizes 1/2" to 2")

Only FNW1231 can be used for saturated steam medium. When used in steam service, the maximum working pressure is 125 psi.

### INSTALLATION
- Globe valve is designed for bi-directional shutoff and may be installed without regard to flow direction.
- Before valve installation, thoroughly clean and prepare piping system. Be sure mating pipe threads are free from excessive grit, dirt or burrs.
- Use pipe sealant on threaded valves, which is recommended for valve, end use.

**WARNING:** Use only one type of pipe thread sealant. Do not use tape and pipe dope together. This may cause damage to the valve body that is not apparent on installation.

- Use solder on solder joint valves, which is recommended for valve end use.

**WARNING:** Excessive heat input will damage the body seal resulting in leaks at the valve body joint. In extreme cases, seats and stem packing may also be damaged.

- Inspect the valve ports and seating surfaces for cleanliness just before installation. Take care to ensure that pipe sealant is not excessively applied to the pipe threads, as to foul the valve seats.
- Support the valve to prevent unnecessary stress induced by the connecting pipe.
- Operate the valve from the full open to closed position.
- Verify the tightness of the packing nut after installation.

### OPERATION
- Glove valves are operated manually. To open, turn the handle in a counterclockwise direction. To close, turn the handle in a clockwise direction.
- If the handwheel is difficult to turn, loosen packing nut 1/4 to 1/2 turn. Re-tighten packing nut after open-close operation is completed.
- Operation of the valve is recommended only in the full open or full closed position.

### INSPECTION AND MAINTENANCE
- Periodic inspection of the valve is recommended.
- 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 1/4 to 1/2 turn.
- If tightening the packing nut does not stop the leak, the backseat can be used to limit the leakage until circumstances permit a system shutdown and packing replacement.
- Stem packing replacement with the valve under pressure and back seated represents a hazard and should not be undertaken. The hazard is magnified as fluid pressure or temperature increases or when the fluid is toxic.