INSTALLATION - BALL VALVE ,THREADED END

1) Thoroughly clean and prepare the piping system before valve installation.
2) Remove the valve end caps if present, and inspect the valve ports 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.
S) Operate the valve from the full open to closed position.
6) PTFE thread sealant is recommended when making up connections. Consult the sealant manufacturer's instructions for proper use. Install on pipe and not on the valve.
7) Care should be used to not over tighten the valve onto the pipe, as it is possible to distort the internal parts of the valve.
8) Because bronze is a softer metal than steel, always put the pipe in a vise and turn the valve onto the pipe end. Always use a smooth-jawed wrench on the valve end on the same side of the valve to which the pipe or fitting is being installed to prevent distortion of the internal parts of the valve or transmission of torque and stress into the body joint. Pipe Wrenches should be used on a pipe and fittings only.
9) Take precaution also to prevent loosening body to tailpiece connection by reverse rotation during installment/alignment. Such loosening could comprise body to tailpiece sealing.
10} Verify the tightness of the packing nut after installation.

OPERATION

1) Ball valves are designed to be opened by rotating the lever handle in a counterclockwise direction, and closing in a clockwise direction. The handle indicates the ball port direction.
2) Under certain conditions, throttling flow in the near-closed position can destroy the valve seats. Consult factory for throttling service.

INSPECTION & MAINTENANCE

1) Periodic inspection and preventative maintenance is not required other than adjustment of stem packing, and cycling of the valve from open to closed position.
2) If a valve develops a packing leak, adjust the packing nut to increase the pressure on the stem packing. The packing nut should be turned in a clockwise direction approximately¼ turn, or until the leakage stops. **Do not repack valves under pressure.**
3) Repair or replacement of two piece ball valves internal parts is not recommended. Damage can occur to the body and tailpiece during disassembly that would make the valve inoperable.

REPAIR PARTS Not available for UltraPure valves.