



CRANE SUPPLY

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Installation, Operation and Maintenance Guide

For Threaded and Soldered End Brass Ball Valves CSC9302/CSC9322

Threaded End Ball Valves

1. Make sure all surfaces are clear and free of debris on the piping connection.
2. Use teflon tape or approved sealant is recommended.
3. Prepare two smooth-jawed adjustable wrenches when installing the valve. A loosely fitting pipe wrench can distort the valve and causes a leak.
4. Apply one wrench on the hex nearest the joint being tightened to prevent breaking the seal between the end cap and body of the valve.

Soldered End Ball Valves

1. Clean and flux before installing.
2. Cut tubing in a proper dimension square, de-burred, and clean with a solvent.
3. Turn the valve in the fully open position.
4. Wrap a wet rag around valve body.
5. Use soft solder, a low temperature solder (420°F/216°C). Higher temperature solders may damage the seat material.
6. Apply heat with the flame directed away from the center of the valve body. Excessive heat can harm the seats (end cap-to-body seal and Teflon seats).

7. Check the packing gland after soldering. It may have to be tightened in 1/8 to 1/4 turn increments until leak stops.

OPERATION

To open or close the valve, turn the handle 1/4 turn (90 degrees)

1. In open position – the handle rotation is counterclockwise and the handle is parallel with the valve.
2. In close position – the handle rotation is clockwise and the handle is perpendicular with the valve.

MAINTENANCE

1. Screw the packing gland properly when leakage occurs from stem and to tighten in 1/8 to 1/4 turn increments until leak stops.
2. Add an additional packing if the leakage on step 1 continually. The procedure of adding an additional packing is as the following steps.

- 2-1. Do not disassemble the valve while under pressure.
- 2-2. Remove the handle and packing gland.
- 2-3. Add an additional packing on the top of the old packing.
- 2-4. Reassemble the packing gland and handle.
- 2-5. Do the leak test and make sure there is no leakage from stem.

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CAUTION: Do not disassemble valve while under pressure nor with entrapped hazardous fluids therein.

NOTE: Always test valve and system before putting the system into service. (Crane Supply does not recommend disassembly of this valve to attempt internal repairs.)