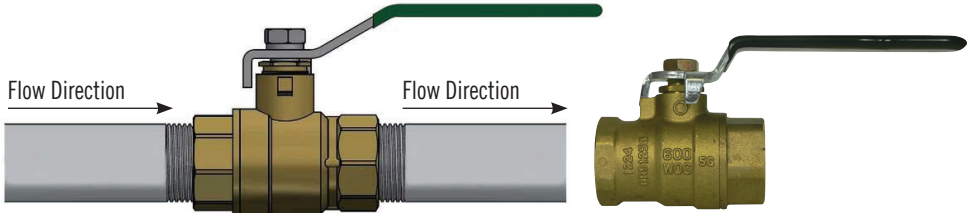
IMPORTANT NOTICE - READ CAREFULLY

Threaded Ball Valves Installation Instructions

The valve should be installed by a qualified licensed plumber.

Ball valves may be installed vertically or horizontally. They are nondirectional; therefore, the direction of flow does not make a difference. To eliminate possible confusion in the future about flow direction, the best practice is to set up the valve handle (in open position) to point in the direction of flow. It is not recommended to install a ball valve upside down because it can cause dirt to accumulate by the stem packing.



1. Before installing the valve, thoroughly clean and prepare the piping system.
2. Ensure that the valves female threaded end connections, ports and seating surfaces are clean and free of any foreign material.
3. Operate the valve from fully open (ON) to fully closed (OFF) position.
4. By following the sealant manufacturer's instructions, apply a suitable joint compound or PTFE tape to the male pipe threads (not the valve).
5. To prevent cross-threading, make sure that the valve and piping are in alignment. Do not overtighten, as it is possible to seriously damage the valve.
6. When installing brass or bronze ball valves, always use two wrenches. Position a smooth-jawed wrench on the valve end closest to the pipe joint being tightened and a pipe wrench onto the pipe to prevent the transmission of torque and stress through the valve body joint.

CAUTION: Not using two wrenches may result in the leaking at the body joint.

7. Test after installation.

WARNING: After tightening the valve onto the pipe, do not reverse rotate as this could compromise the integrity of the seal and contribute to leakage and failure.

WARNING: Do not over tighten the valve onto the pipe, as it is possible to cause serious damage to the valve and/or cause a stress fracture in the valve body.

WARNING: It is unlawful in **CALIFORNIA & VERMONT (effective 1/1/2010); MARYLAND (effective 1/1/2012); LOUISIANA (effective 1/1/2013) and the UNITED STATES OF AMERICA (effective 1/4/2014)** to use any product in the installation or repair of any public water system or any plumbing in a facility or system that provides water for human consumption if the wetted surface area of the product has a weighted average lead content greater than 0.25%. This prohibition does not extend to service saddles used in California, Louisiana or under USA Public Law 111-380.

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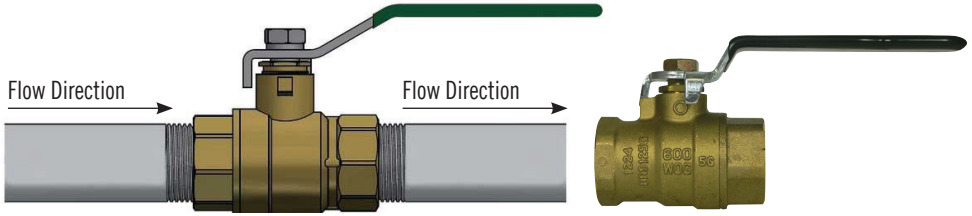

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