

# FBV-3-Press Ball Valve

## for Water Service

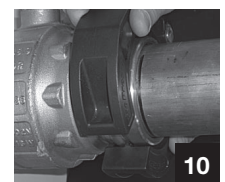
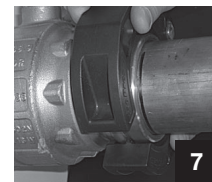
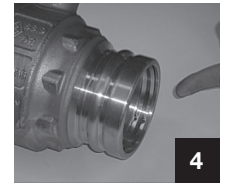
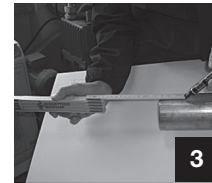
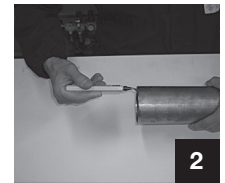
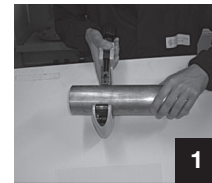
Sizes: 2½" – 4" (65 – 100mm)

### Installation Instructions

The FBV-3-Press ball valve is designed for use with types K, L and M Hard Copper Tubing in 2½" – 4" (65 – 100mm)

**Warning:** Please read and understand the following instructions for installing FBV-3-Press ball valves. Failure to follow all instructions may result in extensive property damage or serious injury.

1. Square cut copper tubing at right angle, using a Displacement type cutter.
2. To prevent cutting the O-ring, carefully deburr the internal and external surface of the tube end.
3. Mark the correct insertion depth on the tube. Refer to FBV-3-Press Insertion Depth Chart below for insertion depth. Incorrect insertion depth can result in failed press connection.
4. The tubing is now ready to insert in the ball valve. Do not use oil or lubricant on the valve fitting or tube. This will degrade the FBV-3-Press EPDM.
5. Slowly rotate the valve while sliding the valve on the tubing. Insert to depth marked on tube.
6. Place XL ring at right angle to the FBV-3-Press ball valve fitting. Place XL ring on the fitting bead. Check insertion depth mark on the tubing before pressing.
7. Assemble pressing tool to the manufacturer's recommendation.
8. To start the press connection process, place the actuator into the XL ring. Press the trigger until the actuator has completed the press joint. Be careful to keep extremities and other objects away from the actuator or XL ring during the pressing as injury or failed press joint can occur.
9. Remove the XL ring from the ball valve fitting when the press connection is completed.
10. Pressure testing to be performed in accordance with the local codes and fitting manufacturer's instructions.



### FBV-3-Press Insertion Depth Chart

Tube Size	2½" 65mm	3" 80mm	4" 100mm
Insertion Depth	2⅞" 54mm	2⅞" 54mm	2½" 65mm

#### CALIFORNIA PROPOSITION 65 WARNING

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)

For more information: [www.watts.com/prop65](http://www.watts.com/prop65)

**Limited Warranty:** Watts Regulator Co. (the "Company") warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge.

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