

# LFFBV-3-Press-XLC Ball Valve

For water service

Size: 2½" - 4" (65mm – 100 mm)

## WARNING



Read this Manual **BEFORE** using this equipment.  
Failure to read and follow all safety and use information can result in death, serious personal injury, property damage, or damage to the equipment.  
Keep this Manual for future reference.



## Installation Instructions

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

1. Square cut copper tubing at right angle using a displacement type cutter.
2. If mounted in a vice, keep end of tubing a minimum of 4" away from the contact area of the vise, to prevent damage to the tubing in the press area.
3. To prevent cutting the O-ring, carefully deburr the internal and external surface of the tube end.
4. Mark the correct insertion depth on the tube. Refer to LFFBV-Press XLC Insertion Depth Chart below for insertion depth. Incorrect insertion depth can result in failed press connection.
5. Check seal and grip ring for correct fit. Do not use oil or lubricant on the valve fitting or tube which could degrade the EPDM seal.
6. Slowly rotate the valve while sliding the valve into the tubing. Insert to the fitting stop. The end of the tubing must be fully inserted and contact the stop.
7. LFFBV-3-Press XLC valve connections must be performed with XLC rings and pressing tool.

## NOTICE

Use of XL rings and/or XL pressing tool (for bronze fittings) will result in an improper connection.

8. Open XLC ring and place at right angles on the valve. XLC ring must be placed on the fitting bead. Check insertion depth mark on the tubing before pressing.
9. Assemble the pressing tool to the manufacturer's recommendation. Connect XLC pressing tool to the XLC ring.
10. To start the press connection process, hold the trigger while the press tool engages the XLC ring and completes the press joint. Be careful to keep extremities and other objects away from pressing tool or XLC ring during the pressing as injury or failed press joint could occur.

## NOTICE

After completion of the press connection, remove the press tool from the XLC ring and then remove the XLC ring from the valve.

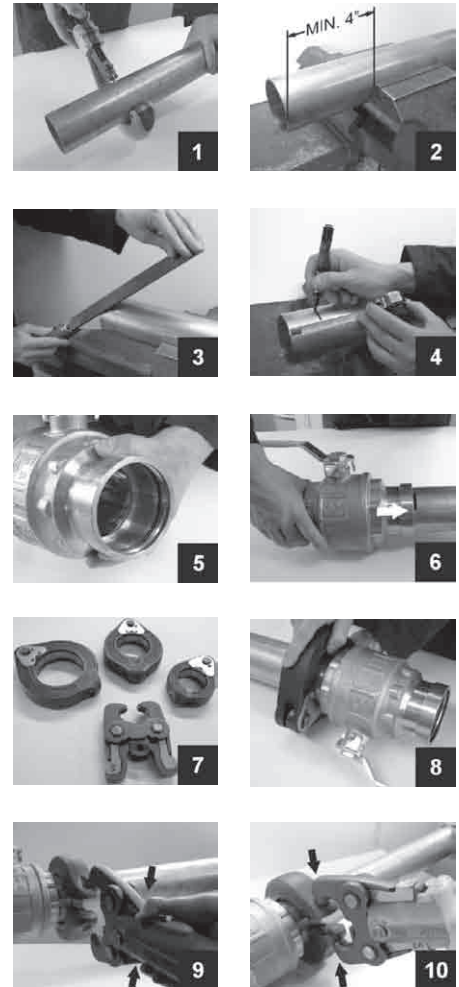
Pressure testing to be performed in accordance with the local codes and fitting manufacturer's instructions.

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FBV-3 PRESS XLC INSERTION DEPTH TABLE

Tube Size	2½"	3"	4"
Insertion Depth	1½"	17⁄8"	2¾"

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.  
**For more information: [www.watts.com/prop65](http://www.watts.com/prop65)**



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