

# JWPress FAQ

## FAQ Regarding JWPress fittings for use in copper tube systems

### 1. Are JWPress fittings compliant with low lead laws for potable water systems?

Yes. JWPress fittings have been tested and certified compliant with NSF Annex G for low lead compliance.

### 2. What is the lead content of JWPress fittings?

NSF 61 annex G requires all components of potable water system to have less than 0.25% lead content in the fittings.

JWPress uses a combination of Copper press fittings made from C12200 alloy copper which is 99.9% pure copper, and inherently lead free.

A few of the fittings are manufactured from Lead Free Brass alloy, with a lead content of less than 0.15% lead.

All of these fittings, and material alloys have been tested and certified by NSF, a copy of JWPress certification is available from your distributor or on our website.

### 3. What is the warranty for JWPress fittings?

JWPress carries a 50 year warranty against defects in material and workmanship from Jungwoo.

### 4. Is lubrication of o-rings required?

All JWPress fittings come with the o-ring installed. While it is possible that an o-ring could be dislodged, each fitting is bagged, so that any o-ring will be "with the fitting". JWPress recommends that all fittings be checked to ensure o-rings are installed.

The o-rings come installed and lubricated ready for installation.

If for any reason an o-ring should be dislodged, the surface should be cleaned and the o-ring can be reinstalled by insertion into the internal o-ring receptor groove, using a light NSF 61 approved silicon lubricant.

Under no circumstances use any petroleum based lubricants as petroleum lubricants and EPDM are non-compatible.

### 5. How long will the EPDM seal last?

When installed according to directions, (in non industrial and non marine applications) the EPDM o-ring carries the same 50 year warranty.

### 6. Can I solder near a JWPress fitting?

Maintain a distance of 3-4 pipe diameters from the press connection.

Additionally it is recommended that a heat sink be used, which can include simple methods such as wrapping the press connection with a wet rag, or the application of aerosol freeze products used to inhibit heat migration.

If maintaining the distance is not possible, it is recommended that fittings be prefabricated then installed.

## 7. Can I install JWPress in an area suspected of freezing?

No system designed to carry fluid, whether potable water or otherwise should be installed where there is a chance of freezing.

## 8. Do JWPress fittings have pressure loss issues?

JWPress fittings, like other press fittings, are designed for full flow similar to standard solder fittings. The seal area is external and does not impede the flow in the tube passageway. In addition, press 90 elbows are longer radius, and designed to minimize pressure loss. Regardless, all systems should be designed with the idea of supplying the maximum amount of water required by the system.

## 9. Can I turn a JWPress fitting after installation?

JWPress is a mechanical joining system, meaning that the sealing takes place between the three surfaces, internal fitting wall and o-ring, and external tube wall and o-ring. As such, it is possible to rotate a fitting slightly.

As a rule rotation should not exceed 4-5 degrees. If for any reason the rotation exceeds that amount, JWPress fittings can be re-pressed to ensure proper contact and seal.

## 10. Can I use JWPress in areas difficult to access?

Because of the limitations of some tool and jaw sets dimensionally, there are practical space limitations. In the event such conditions exist, it is desirable to prefabricate portions of the press system to allow for ease of installation.

Refer to installation instructions for optimal work area spacing for clearance between walls and other pressing impediments required for proper use of pressing tools & jaws.

## 11. What if a fitting leaks?

The most common leaks that occur in a press system are: failure to press and test a joint. Since pressing is required to create the seal, and a leak path is provided, the leak will be readily apparent. This is easily remedied by going back and re-pressing the fittings, after first checking the fitting to see that the tube is inserted to proper depth by reference of the tube marking.

The second most common leak is that the tube was not properly seated into the fitting to the depth outlined in the installation guide. In this event, cut out the pressed fitting and return to your wholesaler for fitting evaluation.

It will be apparent from testing and bisecting the fitting to reveal the tube insertion if this was the cause, and was an installation error.

The third most common cause is not calibrating the press tool and jaw sets as outlined by the manufacturer's suggested maintenance schedule.

Again the remedy for this is to follow those guidelines.

Please consult your tool and jaw manufacturers instructions and follow their recommended maintenance guidelines.

The last common leak occurs from not deburring the tube end properly.

This can result in cutting the o-ring, or in the worst cases dislodging the o-ring from the sealing groove. In either event the fitting will leak and must be cut out and replaced. Additional pressing will not result in seal integrity.

## 12. Can I use JWPress for underground installations?

By design, JWPress is tested to and approved for underground use.

However, local codes may prohibit that installation, or require special precautions for such installations. Always defer to the local plumbing code and practices in the area of installation.

**For any additional questions regarding JWPress, its use or installation, please contact your local distributor and sales agent.**