

Uponor

RADIANT HEATING
SYSTEMS

PRESSURE TEST KIT

TECHNICAL BULLETIN



Application

The Pressure Test Kit allows users to pressure test Uponor manifolds and tubing.

Part Number

E6122000

Installation

1. Assemble the R32 x $\frac{3}{4}$ " adapter, $\frac{3}{4}$ " nipple and gauge assembly.
2. Thread this assembly into the R32 manifold union nut.
3. Thread the R32 plug into the other R32 manifold union nut.

Note: Manifolds come with a gasket that seals the R32 union nut. Use Teflon tape or pipe dope on the $\frac{3}{4}$ " NPT threads.

Gauge Rating

100 psi

Pressure Testing

Pressure test the system with air or water before covering the tubing. Air testing is the preferred method. Test each manifold separately or, depending upon the construction schedule, test the entire system at one time. Refer to the following recommended procedure for pressure testing.

1. Be sure all connections are properly sealed using the supplied gaskets.
2. On the end cap with vent, remove the air vent and drain cock and replace with properly sized plugs.
3. Install the Pressure Test Kit onto the system.
4. Pressurize the system with air to 60 psi. The system should maintain the 60 psi for a minimum of 24 hours.
5. Depending on installation circumstances, the PEX tubing may expand under pressure and require a one-time addition of air to offset the tubing expansion.

Maintain pressure on the system during the slab pour or when installing finished flooring. This simplifies leak detection if the tubing is damaged during the pour or installation. The pressure testing procedure is a recommendation from Uponor. Check local building codes for compliance or additional test requirements.

Note: Brass manifolds contain valves that are not designed to hold high pressure. Pressure testing against these valves may result in some leakage and may compromise the test. Use appropriate end caps or plugs to further seal the system as necessary.

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