Introduction
Uponor’s WIPEX™ fittings are manufactured from a dezincification-resistant alloy, DZR brass, and are specifically designed for connecting 3" Uponor AquaPEX® tubing. The unique design of the WIPEX fitting features an eccentric outer sleeve for easier grip and an even force when inserting the tubing. The inner sleeve features a threaded profile and includes an o-ring to ensure a secure, tight seal (see Figure 1). The maximum operating pressure and temperature for WIPEX fittings is 87 psi at 203°F.

Getting Started
Check the contents of this package. For damaged or missing contents, please contact your Uponor sales representative or distributor for assistance.

The Package Includes
- WIPEX Fitting(s)
- O-ring(s)
- Bolts, washers and nuts
- WIPEX Fittings Instruction Sheet

Tools and Parts Required
- Plastic tube cutter
- De-burring tool or knife
- WIPEX Sleeve Pliers
- Wrench (size FD 2-19mm)
- Low-friction lubrication (MoS2)

Installation
1. Cut the tubing with an appropriate plastic-pipe cutter. If using another method for cutting the tubing, be sure to remove the shavings inside the tube prior to installing the fitting to avoid blocking valves.

2. Chamfer the tubing bore with a de-burring tool or knife, and remove any external burrs. This prevents damage to the o-ring or dislocation from its groove during installation.

3. Use WIPEX Sleeve Pliers to dismount the outer sleeve (see Figure 5).
4. Place a bolt head between the pads, and remove the outer sleeve (see Figure 6).

5. Mount the outer sleeve onto the tubing. Make sure to position the outer sleeve correctly towards the inner sleeve, so the locking grooves engage (see Figure 7).

6. To ensure easy mounting of the pipe onto the inner sleeve, lubricate the o-ring, preferably with an environmentally friendly silicone spray or soap (see Figure 8).

7. Mount the pipe on the insert sleeve and push the outer sleeve until it reaches the stop support for the tubing.

   Important: Lubricate the bolt threads and washer with suitable low-friction lubrication (MoS2) before tightening.

8. Tighten the WIPEX fitting.

   Note: Tighten slowly by hand to avoid thread problems when assembling acid-resistant, stainless-steel bolts in a screw joint. If using a tightening machine, only use a low number of revolutions. Use wrenches to slowly tighten until the pads of the clamping sleeve are in contact with one another (see Figure 10).

   Caution: If the pads do not come in contact, wait 5 to 30 minutes (the larger the fitting, the longer the wait time) and then try tightening again until the pads are in contact with one another (see Figure 11).

9. Perform pressure testing according to current standards. If standards are not available, refer to the following instructions:

   • Vent all air from the system and apply one-and-a-half times the normal operating pressure.
   • Maintain this pressure for 30 minutes, and visually inspect the joints.
   • Quickly drain off water until the pressure falls to one-half the normal operating pressure, and close the drain valve.
   • If the pressure rises to a constant level higher than one-half the normal operating pressure, the system is tight.
   • Maintain this pressure for 90 minutes, and visually inspect the fittings during this time. A drop in pressure indicates a leak in the system.

Specifications

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<tr>
<th>Profile Dimensions</th>
<th>Pressure Class</th>
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<tr>
<td>3&quot;</td>
<td>87 psi at 203°F</td>
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