

## For Residential, Commercial and Snowmelt Applications

Job Name \_\_\_\_\_  
 Job Location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Approval \_\_\_\_\_

Contractor \_\_\_\_\_  
 Approval \_\_\_\_\_  
 Contractor's P.O. No. \_\_\_\_\_  
 Representative \_\_\_\_\_

# Compression Fitting

## RadiantPEX-AL Connection

**Sizes: 1/2", 5/8", 3/4", 1"**

Compression fittings are designed to be used in radiant heating and snowmelting applications, with water or water/glycol solutions. Compression fittings are designed to be used solely with RadiantPEX-AL tubing. No other tubing type may be used. Fittings are available in a variety of Compression x Sweat, Compression x NPT or Compression x BSP connections.

### Specifications

System shall be installed using Watts RadiantPEX-AL tubing and fittings. All connections shall be made in accordance with corresponding installation guidelines.

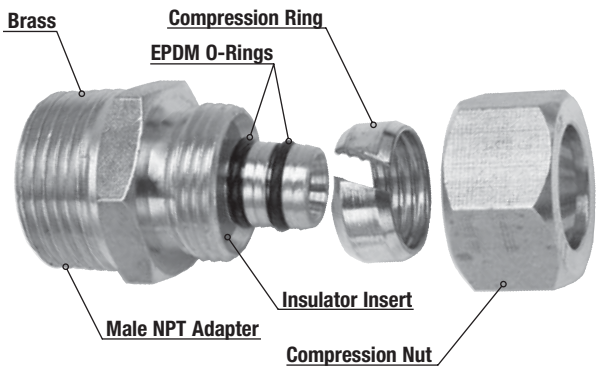
Connections shall use Watts Radiant Compression fittings and RadiantPEX-AL composite cross-linked polyethylene tubing.

Material	Properties
Insert Barb/Compression Nut	Brass
Compression Ring	Brass
O-Rings	EPDM
Insulator	Polyethylene
Nominal Barb Size	1/2", 5/8", 3/4", 1" od
Connection Type	Sweat or NPT
Max. Operating Temperature	180°F
Max. Operating Pressure	100 psi

### Installation

RadiantPEX-AL must be installed in accordance with all Watts Radiant installation procedures, including information provided in the RadiantPEX-AL installation manual and guidelines.

1. Cut a clean, square end to the tube.
2. Use the Reamer tool to shape and prep the tubing.
3. Slide the compression nut over the tubing.
4. Slide the compression ring over the tubing.
5. Make sure the insulator insert is in place at the base of the fitting.
6. Slide the tubing over the fitting. Make sure the tubing is seated against the insulator insert.
7. Slide the compression nut up and begin threading it onto the base. The compression ring will automatically be positioned over the fitting.
8. Use a box-end wrench to complete the connection (**do not use a crescent wrench**). Tighten the connection until snug and then an additional 1/4 turn.



**Compression Fitting**

### Standards and Listings



Manufactured in accordance with American society for Testing and Materials (ASTM) F-1281.



Carries the UPC certification mark, as approved by the International Association of Plumbing and Mechanical Officials (IAPMO).

### Compression Fittings (☑ all that apply)

	Description	1/2"	5/8"	3/4"	1"
☑	Brass Fitting Adapter, Male Swt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Brass Sweat Adapter, Female Swt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Brass MNPT Adapter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Couplings, Equal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Elbow, Compression x Male Swt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Elbow, Compression x Female Swt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Elbow, Compression x MNPT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Elbow, Comp x Comp, Equal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Tee, Equal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Tee, Unequal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Tee, NPT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Fittings should not be installed when the ambient temperature is below 30°F (0°C).**

**Compression fittings are for heating applications only. Do not use compression fittings for potable applications.**



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