

For Residential or Commercial Radiant Heating and Snow Melt Applications

Heating PEX-AL-PEX Compression Connections

For use with Heating PEX-AL-PEX tubing

Installation Parameters

1. Cut the Tubing.

Make a straight cut-off on the end of the Heating PEX-AL-PEX. Use only approved Heating PEX-AL-PEX fittings and connections with Heating PEX-AL-PEX tubing. See chart for reference.

2. Use the Correct Connection.

Compression fittings use a special barb with O-Rings on the fitting and an internal compression ring and an external compression nut. Use only Watts couplings and/or fittings with the corresponding size of Heating PEX-AL-PEX tubing. Improper sizing can result in leaks.

3. Make the Connection.

- Use the Reamer tool to shape and prep the tubing.
- Slide the compression nut over the tubing.
- Slide the compression ring over the tubing.
- Make sure the insulator washer insert is in place at the base of the fitting.
- Slide the tubing over the barb. Make sure the tubing is seated against the insulator washer insert.
- Slide the compression nut up and begin threading it onto the base. The compression ring will automatically be positioned over the fitting.
- Use an open-end wrench to complete the connection (do not use a crescent wrench). Tighten the connection to 20 in/lb (2.3 N-M) (snug and then an additional 1/4 turn).

4. Pressure Test.

Test all connections between 50 - 100 psi (3.4 - 6.9 bar) with either air or water (do not use both). If external temperatures are near or below freezing, do not use water as this can result in an unwanted freeze condition. See the Heating PEX and Heating PEX-AL-PEX Installation Manual for further testing details.

Remove O-Rings and insulator insert before soldering sweat fittings.

Refer to Watts Hydronic Radiant Heat Product Catalog for connection and tool options.

Note: It is not advised to bury a compression coupling in concrete or other masonry material.

Heating PEX-AL-PEX Compression Fittings			
√	Description	Qty	Order #
	1/2" (12.7 mm) Compression x 1/2" (12.7 mm) Male Sweat	1	0955234
	3/4" (19.1 mm) Compression x 3/4" (19.1 mm) Male Sweat	1	0955238
	1" (25.4 mm) Compression x 1" (25.4 mm) Male Sweat	1	0955240
	1/2" (12.7 mm) Compression x 1/2" (12.7 mm) Female Sweat	1	0955235
	3/4" (19.1 mm) Compression x 3/4" (19.1 mm) Female Sweat	1	0955239
	1" (25.4 mm) Compression x 1" (25.4 mm) Female Sweat	1	0955241
	1/2" (12.7 mm) Compression x 3/4" (19.1 mm) MNPT	1	0955236
	3/4" (19.1 mm) Compression x 3/4" (19.1 mm) MNPT	1	0955237
	Repair Kit, 1/2" (12.7 mm) Compression	2	0955249
	Repair Kit, 3/4" (19.1 mm) Compression	2	0955250
	Repair Kit, 1" (25.4 mm) Compression	2	0955251
	Elbow, 1/2" (12.7 mm) Compression x 3/4" (19.1 mm) Male Swt	1	0955242
	Elbow, 3/4" (19.1 mm) Compression x 3/4" (19.1 mm) Male Swt	1	0955244
	Elbow, 1/2" (12.7 mm) Compression x 3/4" (19.1 mm) Female Swt	1	0955243
	Elbow, 3/4" (19.1 mm) Compression x 3/4" (19.1 mm) Female Swt	1	0955245
	Elbow, 3/4" (19.1 mm) Compression x 3/4" (19.1 mm) Compression	1	0955246
	Elbow, 1" (25.4 mm) Compression x 1" (25.4 mm) Compression	1	0955248
	1/2" (12.7 mm) Compression x 3/4" (19.1 mm) BSP	2	0955256
	3/4" (19.1 mm) Compression x 3/4" (19.1 mm) BSP	2	0955257

Limited Warranty: Watts Regulator Co. (the "Company") warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge.

THE WARRANTY SET FORTH HEREIN IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCT. THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE COMPANY HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

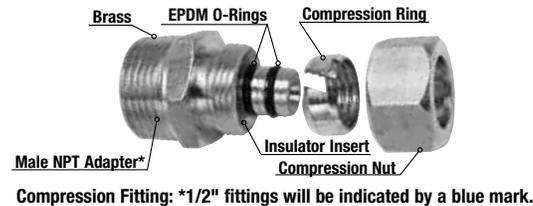
The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

Some States do not allow limitations on how long an implied warranty lasts, and some States do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights. **SO FAR AS IS CONSISTENT WITH APPLICABLE STATE LAW, ANY IMPLIED WARRANTIES THAT MAY NOT BE DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL SHIPMENT.**

WATTS®

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IS-Heating-PEXALPEX-Compression-Connections 1146



Ream, shape and prep tubing



Assemble components



Insulator washer



Insert fitting



Thread connection

⚠ CAUTION

BEFORE INSTALLING ANY COMPONENTS THOROUGHLY READ the Heating PEX and Heating PEX-AL-PEX installation manual AVAILABLE AT WWW.RADIANT.WATTS.COM FOR FURTHER INFORMATION INCLUDING ADDITIONAL PRODUCT SAFETY INFORMATION. This information is not intended to provide full installation guidelines or the experience of a trained product installer. To the extent instructions are not consistent with local building or plumbing codes, the local codes should be followed. FAILURE TO COMPLY WITH PROPER INSTALLATION INSTRUCTIONS COULD DAMAGE TUBING AND FITTINGS CAUSING WATER DAMAGE AND/OR DAMAGE TO THE PIPING SYSTEM WHICH CAN RESULT IN PROPERTY DAMAGE AND/OR PERSONAL INJURY.

Do not splice multiple lengths of Heating PEX-AL-PEX tubing together as this will result in increased pressure drops. Refer to the Heating PEX and Heating PEX-AL-PEX Installation Manual for recommended circuit lengths and other tubing installation guidelines.

Do not solder near, or overheat, any Heating PEX-AL-PEX connection. Extreme temperatures associated with soldering may seriously damage the Heating PEX-AL-PEX and will void warranty.

Repairing Heating PEX-AL-PEX that has been in service requires special attention, particularly when glycol has been used. Any residual amounts of glycol or any other coating or debris inside the tube must be removed and all fitting surfaces must be clean before making connections.

Use of materials not supplied by Watts to make connection may result in leaks. Watts Heating PEX-AL-PEX fittings are engineered to work together. Watts extends no warranty – express or implied – to any failure or damage of any kind resulting in use of materials not specified by Watts. See Heating PEX-AL-PEX Warranty for details.

CALIFORNIA PROPOSITION 65 WARNING

Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California).

For more information: www.watts.com/prop65.



USA: No. Andover, MA • Tel. (855) 699-2887 • Fax: (978) 794-1848 • radiant.watts.com

Canada: Burlington, ONT. • Tel. (905) 332-4090 • Fax: (905) 332-7068 • radiant.watts.com

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