

For Residential, Commercial and Snowmelt Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Press Fitting RadiantPEX-AL Connection

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

Press fittings are designed to be used in radiant heating and snowmelting applications, with water or water/glycol solutions. Press fittings are designed to be used solely with RadiantPEX-AL tubing. No other tubing type may be used.

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 Press fittings and RadiantPEX-AL composite cross-linked polyethylene tubing.

Material	Properties
Insert Barb	37700 Brass
Sleeve	300 Series Stainless Steel
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

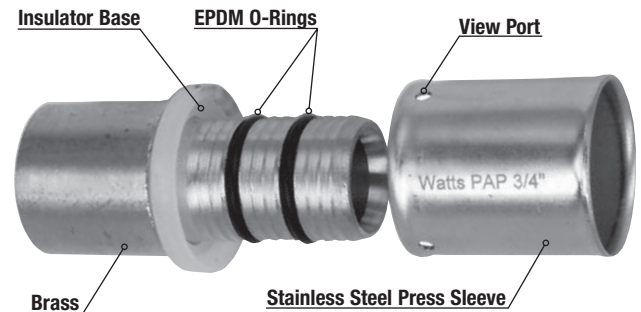
RadiantPEX-AL must be installed in accordance with all Watts Radiant installation procedures, including information provided in the RadiantPEX-AL installation manual and guidelines.

1. Cut a clean, square end to the tube.
2. Use the Reamer tool to shape and prep the tubing.
3. Make sure the insulator base is in place at the base of the fitting.
4. Make sure the Press sleeve is seated against the insulator base of the connection.
5. Slide the RadiantPEX-AL tubing onto the fitting until the tubing is visible in the view port.
6. Place the Press fitting into one side of the jaws.
7. Close the jaws firmly. Tool will stop automatically when complete.

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

Remove O-rings and insulator base before soldering sweat fittings.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



Press Fitting

Standards and Listings



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



Tested and listed by the National Sanitation foundation (NSF-pw – Standards 14 and 61 and NSF-rfh).



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

Press Fittings all that apply

<input checked="" type="checkbox"/>	Description	1/2"	5/8"	3/4"	1"
<input type="checkbox"/>	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"/>	Couplings, Reducer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Elbow, Press x Male Swt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Elbow, Press x Female Swt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Elbow, Press x MNPT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Elbow, Press x Press, Equal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Elbow, Press x Press, Reducer	<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"/>
<input type="checkbox"/>	Extra Sleeves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Extra Insulators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Extra O-rings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

 **Watts Radiant**
Floor Heating & Snowmelting

A subsidiary of Watts Water Technologies, Inc.

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Press Repair Kit

RadiantPEX-AL Connection

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

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Specifications

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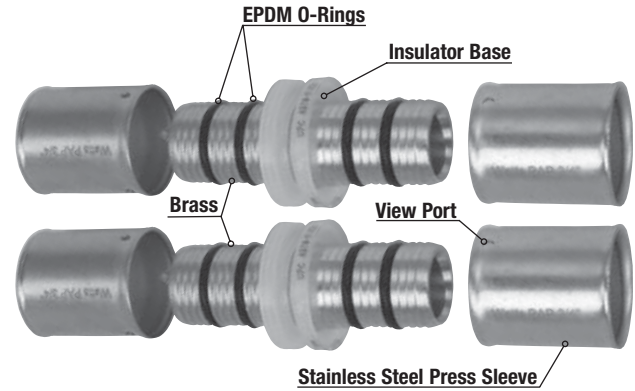
Connections shall use Watts Radiant Press fittings and RadiantPEX-AL composite cross-linked polyethylene tubing.

Material	Properties
Insert Barb	37700 Brass
Sleeve	300 Series Stainless Steel
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. Make sure the insulator base is in place at the base of the fitting.
4. Make sure the Press sleeve is seated against the insulator base of the connection.
5. Slide the RadiantPEX-AL tubing onto the fitting until the tubing is visible in the view port.
6. Place the Press fitting into one side of the jaws.
7. Close the jaws firmly. Tool will stop automatically when complete.
8. If the repair is to be placed inside a concrete pour, wrap the final connection with electricians tape (do not use duct tape).



Press Repair Kit

Standards and Listings



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Press Fittings (☑ all that apply)

<input checked="" type="checkbox"/>	Description	Qty	Part #	Order #
<input type="checkbox"/>	1/2" Press Repair Kit	2	RLP16B-08	81007677
<input type="checkbox"/>	5/8" Press Repair Kit	2	RLP16B-10	81007678
<input type="checkbox"/>	3/4" Press Repair Kit	2	RLP16B-12	81007679
<input type="checkbox"/>	1" Press Repair Kit	2	RLP16B-16	81007680

CAUTION:

Use of materials not supplied by Watts Radiant to make a repair connection may eventually result in leaks. RadiantPEX-AL and fittings are engineered to work together. Watts Radiant extends no warranty – expressed or implied – to any failure or damage of any kind resulting from use of materials not supplied by Watts Radiant

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