

For Residential or Commercial Radiant Heating and Snow Melt Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Compression Fitting

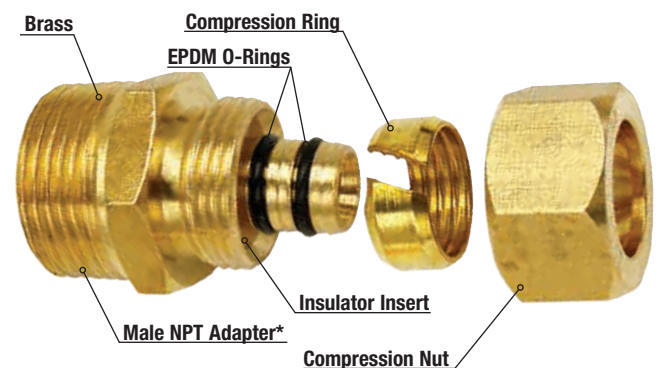
RadiantPEX-AL™ Connection

Sizes: 3/8" (9.5 mm)
1/2" (12.7 mm)
5/8" (15.9 mm)
3/4" (19.1 mm)
1" (25.4 mm)

Compression fittings are designed to be used in radiant heating and snow melting 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.

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.



Compression Fitting

*1/2" (12.7 mm) fittings will be indicated by a blue mark

Material	Properties
Insert Barb/Compression Nut	37700 Brass
Compression Ring	37700 Brass
O-Rings	EPDM
Insulator	Polyethylene
Nominal Barb Size (o.d.)	3/8" (9.5 mm), 1/2" (12.7 mm), 5/8" (15.9 mm), 3/4" (19.1 mm), 1" (25.4 mm)
Connection Type	Sweat or NPT
Max. Operating Temperature	180°F (94°C)
Max. Operating Pressure	100 psi (6.9 bar)

⚠ CAUTION

This Engineering Sheet is not intended to provide full installation instructions and safety information. In order to avoid property damage or injury, please refer to the complete installation manual and product safety information provided with the product.

Standards and Listings



Manufactured in accordance with American society for Testing and Materials (ASTM) F-1281-05.



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



Watts Radiant product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Radiant Technical Service. Watts Radiant 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 Radiant products previously or subsequently sold.

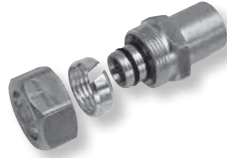
WattsRadiant™

A WATTS Brand



RadiantPEX-AL SST20 Compression Fitting

✓	Description	Qty	Model #	Order #
	3/8" (9.5 mm) Comp. x Adap. 3/4" (19.1 mm) BSP	10	RLC01B06T20-10	81011138
	1/2" (12.7 mm) Comp. x Adap. 3/4" (19.1 mm) BSP	10	RLC0501B08T20-10	81010735
	5/8" (15.9 mm) Comp. x Adap. 3/4" (19.1 mm) BSP	10	RLC01B10T20-10	81008088
	3/4" (19.1 mm) Comp. x Adap. 3/4" (19.1 mm) BSP	10	RLC01B12T20-10	81007735



RadiantPEX-AL Compression x Male Sweat Adapter

✓	Description	Qty	Model #	Order #
	3/8" (9.5 mm) Comp. x 1/2" (12.7 mm) Male Sweat Adap.	10	RLC110B0608-10	81011139
	1/2" (12.7 mm) Comp. x 1/2" (12.7 mm) Male Sweat Adap.	10	RLC0510B0808-10	81010731
	5/8" (15.9 mm) Comp. x 1/2" (12.7 mm) Male Sweat Adap.	10	RLC10B1008-10	81008092
	5/8" (15.9 mm) Comp. x 3/4" (19.1 mm) Male Sweat Adap.	10	RLC10B1012-10	81008094
	3/4" (19.1 mm) Comp. x 3/4" (19.1 mm) Male Sweat Adap.	10	RLC10B1212-10	81008096
	1" (25.4 mm) Comp. x 1" (25.4 mm) Male Sweat Adap.	5	RLC10B1616-5	81008098



RadiantPEX-AL Compression x Female Sweat Adapter

✓	Description	Qty	Model #	Order #
	3/8" (9.5 mm) Comp. x 1/2" (12.7 mm) Female Sweat Adap.	10	RLC11B0608-10	81011140
	1/2" (12.7 mm) Comp. x 1/2" (12.7 mm) Female Sweat Adap.	10	RLC0511B0808-10	81010732
	5/8" (15.9 mm) Comp. x 3/4" (19.1 mm) Female Sweat Adap.	10	RLC11B1012-10	81008102
	3/4" (19.1 mm) Comp. x 3/4" (19.1 mm) Female Sweat Adap.	10	RLC11B1212-10	81008104
	1" (25.4 mm) Comp. x 3/4" (19.1 mm) Female Sweat Adap.	5	RLC11B1616-10	81013675



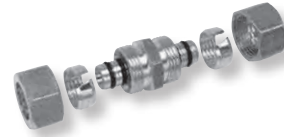
RadiantPEX-AL Compression x Male NPT Adapter

✓	Description	Qty	Model #	Order #
	1/2" (12.7 mm) Comp. x 3/4" (19.1 mm) MPT Adap.	10	RLC0512B0812-10	81010729
	5/8" (15.9 mm) Comp. x 3/4" (19.1 mm) MPT Adap.	10	RLC12B1012-10	81008108
	3/4" (19.1 mm) Comp. x 3/4" (19.1 mm) MPT Adap.	10	RLC12B121210	81008110
	1" (25.4 mm) Comp. x 1" (25.4 mm) MPT Adap.	5	RLC12B1616-5	81008112



RadiantPEX-AL Compression x Female NPT Adapter

✓	Description	Qty	Model #	Order #
	1" (25.4 mm) Comp. x 1" (25.4 mm) FPT Adap.	5	RLC13B1616-5	81013676



RadiantPEX-AL Compression Coupling (Equal)

✓	Description	Qty	Model #	Order #
	3/8" (9.5 mm) Compression Coupling	10	RLC15B0606-10	81011141
	1/2" (12.7 mm) Compression Coupling	10	RLC0515B0808-10	81010716
	5/8" (15.9 mm) Compression Coupling	10	RLC15B1010-10	81008116
	3/4" (19.1 mm) Compression Coupling	10	RLC15B1212-10	81008118
	1" (25.4 mm) Compression Coupling	5	RLC15B1616-10	81008120



RadiantPEX-AL Compression x Press Elbow

✓	Description	Qty	Model #	Order #
	5/8" (15.9 mm) Compression Elbow	10	RLC19B1010-10	81008122
	3/4" (19.1 mm) Compression Elbow	10	RLC19B1212-10	81008124
	1" (25.4 mm) Compression Elbow	5	RLC19B1616-5	81008127



RadiantPEX-AL Compression Tees (Equal Tees)

✓	Description	Qty	Model #	Order #
	3/4" (19.1 mm) Compression Tee	10	RLC18B121212-10	81008129
	1" (25.4 mm) Compression Tee	5	RLC18B161616-5	81008131



RadiantPEX-AL Compression Tees (Unequal Tees)

✓	Description	Qty	Model #	Order #
	3/4" (19.1 mm) x 3/4" (19.1 mm) x 1/2" (12.7 mm) Comp. Tee	10	RLC0518B121208-10	81010646
	1" (25.4 mm) x 1" (25.4 mm) x 5/8" (15.9 mm) Comp. Tee	10	RLC18B161610-10	81008135
	1" (25.4 mm) x 1" (25.4 mm) x 3/4" (19.1 mm) Comp. Tee	5	RLC18B161612-5	81008137

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