

Engineering Specification

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

RadiantPEX+™ RadiantPEX+ Tubing

Sizes: $\frac{3}{8}$ " (9.5 mm) $\frac{3}{4}$ " (19.1 mm)
 $\frac{1}{2}$ " (12.7 mm) 1" (25.4 mm)
 $\frac{5}{8}$ " (19.5 mm)

Watts RadiantPEX+ is cross-linked polyethylene tubing used for radiant floor heating, snow melting, and distribution piping. RadiantPEX+ is manufactured with an integral ethylene vinyl alcohol (EVOH) DIN Standard O2 barrier that limits oxygen diffusion through the walls of the tubing to less than 0.10g/m³/day at 104°F (40°C) water temperature. RadiantPEX+ adds a protective polypropylene layer to the outside of the EVOH oxygen barrier.

Operating Temperature & Pressure

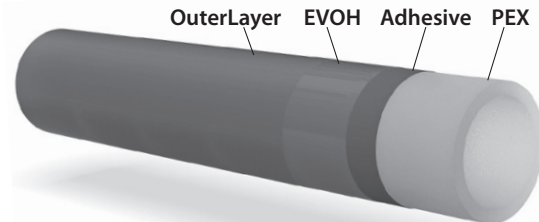
Max. Temperature	Max. Pressure
200°F (93.3°C)	80 psi (5.5 bar)
180°F (82.2°C)	100 psi (6.9 bar)
73.4°F (22.7°C)	160 psi (11.0 bar)

Specification

System shall be installed using Watts RadiantPEX+ tubing. All connections shall be made using Watts CinchClamp, CrimpRing, or Compression fittings of corresponding size and in accordance with all corresponding installation guidelines.

Installation

RadiantPEX+ must be installed in accordance with all Watts installation procedures, including information provided in Watts RadiantPEX®, RadiantPEX+ & RadiantPEX-AL™ Installation Manual.



Codes Listings and Standards



RadiantPEX+ is manufactured ASTM F-876-09 and F-877 standards and to SDR-9 dimensions.

RadiantPEX+ conforms to ASTM E84 and UL263.

RadiantPEX+ is listed by the International Code Council Evaluation Service (ICC) to Report #ESR-1155 and PMG-1008 which give compliance to IPC, IMC, UMC, and UPC.



RadiantPEX+ is tested and listed by the National Sanitation Foundation to NSF-14 (rfh). RadiantPEX+ conforms with PEX 5306



All RadiantPEX+ is certified to CSA Standard B137.5.

RadiantPEX+ Tubing Specifications

Quant.	Model #	Description	ID (in.)	OD (in.)	Stick and Coil Lengths	Min. Bend Radius (in)	Fluid Capacity (Gal/100')
	PB032061	3/8" (9.5 mm) RadiantPEX+	0.360" (9.1 mm)	1/2" (12.7 mm)	600 ft. (182.9 m)	4" (101.6 mm)	0.53 (2.4 l)
	PB032081	1/2" (12.7 mm) RadiantPEX+	0.485" (12.3 mm)	5/8" (15.9 mm)	100' (30.5 m), 300' (91.4 m), 500' (152.4 m), 600' (182.9 m), 1000' (304.8 m)*	5" (127.0 mm)	0.96 (4.4 l)
	PB032101	5/8" (15.9 mm) RadiantPEX+	0.584" (14.8 mm)	3/4" (19.1 mm)	300' (91.4 m), 500' (152.4 m), 600' (182.9 m), 1200' (362.8 m)*	6" (152.4 mm)	1.39 (6.3 l)
	PB032121	3/4" (19.1 mm) RadiantPEX+	0.681" (17.3 mm)	7/8" (22.2 mm)	20' (6.1 m), 100' (30.5 m), 300' (91.4 m), 500' (152.4 m), 600' (182.9 m), 1000' (304.8 m), 1200' (362.8 m)*	7" (177.8 mm)	1.89 (8.6 l)
	PB032161	1" (25.4 mm) RadiantPEX+	0.875" (22.2 mm)	1-1/8" (28.6 mm)	20' (6.1 m), 100' (30.5 m), 300' (91.4 m), 600' (182.9 m)*	9" (228.6 mm)	3.12 (14.2 l)

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

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.

USA: T: (800) 276-2419 • Watts.com

Canada: T: (888) 208-8927 • Watts.ca

Latin America: T: (52) 55-4122-0138 • Watts.com

ES-WR-RadiantPEX+-Tubing 2339

* Also available in custom coil lengths. Contact Watts Radiant for minimum order requirements.



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