uponor

RADIANT HEATING AND COOLING SYSTEMS

ASTM LARGE-DIMENSION WIRSBO hePEX™ PLUS TUBING

FREQUENTLY ASKED QUESTIONS

ASTM Large-dimension Wirsbo hePEX™ plus Tubing FAQs

What is ASTM large-dimension Wirsbo hePEX™ plus tubing?

ASTM large-dimension Wirsbo hePEX™ plus tubing is the same high-quality Uponor tubing, but now manufactured in 1¼" through 2" ASTM sizes.

Designed for closed-loop hydronic heating systems, ASTM large-dimension Wirsbo hePEX plus tubing is made from Engel-method crosslinked polyethylene (PEX-a) and features an EVOH oxygen diffusion barrier that prevents corrosion of ferrous components.

Large-dimension Wirsbo hePEX plus tubing is suitable for both residential and commercial applications such as hotels, warehouses, industrial applications, schools, hospitals, apartment buildings, etc.

Wirsbo hePEX plus tubing is rated and listed by the Hydrostatic Stress Board of PPI at 200°F at 80 psi, 180°F at 100 psi and 73.4°F at 160 psi.

Why is the ASTM large-dimension Wirsbo hePEX plus tubing line changing?

Historically, large-dimension Wirsbo hePEX plus tubing shipped from Europe to North America and was only offered in metric sizes.

Since Uponor gained the ability to manufacture in North America, it changed tubing sizes to reflect the same dimensional ASTM standard sizes used for all North American barrier and non-barrier PEX.

Manufacturing in North America greatly reduces lead times, as well as allows customers to use the same large dimension ProPEX® fittings and tools used in Uponor plumbing applications.

What fittings does ASTM large-dimension Wirsbo hePEX plus tubing use?

Both large-dimension Wirsbo AQUAPEX® tubing and large-dimension Wirsbo hePEX plus tubing are compatible with engineered plastic (EP) and brass large-dimension ProPEX fitting line offerings. In the past, metric-size tubing could only use brass compression fittings.

Are there any compatibility issues with ASTM large-dimension Wirsbo hePEX plus tubing?

The size and flow characteristics of metric and ASTM large-dimension Wirsbo hePEX plus tubing are different, so it is important to select the equivalent ASTM large-dimension Wirsbo hePEX plus tubing size to meet the needs of the application. Refer to the table on the back of this page to assist with metric-to-ASTM conversions. Refer to Appendix G in the Uponor Complete Design Assistance Manual (CDAM) for more details about pressure loss.

Metric to ASTM Large-dimension Wirsbo hePEX plus Conversion

Part Numbers and Metric Sizes		Part Numbers and ASTM Sizes	
C1233200	32mm Wirsbo hePEX plus tubing 328-ft. coil	A1141250	1¼" Wirsbo hePEX plus tubing, 100-ft. coil
		A1251250	1¼" Wirsbo hePEX plus tubing, 300-ft. coil
		A1921250	1¼" Wirsbo hePEX plus tubing, 20-ft. straight lengths (100 ft. total)
C1234000	40mm Wirsbo hePEX plus tubing, 328-ft. coil	A1141500	1½" Wirsbo hePEX plus tubing, 100-ft. coil
		A1251500	1½" Wirsbo hePEX plus tubing, 300-ft. coil
		A1921500	1½" Wirsbo hePEX plus tubing, 20-ft. straight lengths (100 ft. total)
C1235000	50mm Wirsbo hePEX plus tubing 328-ft. coil	A1142000	2" Wirsbo hePEX plus tubing, 100-ft. coil
		A1252000	2" Wirsbo hePEX plus tubing, 300-ft. coil
		A1922000	2" Wirsbo hePEX plus tubing, 20-ft. straight lengths (100 ft. total)
C1236300	63mm Wirsbo hePEX plus tubing 328-ft. coil	N/A	N/A

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