uponor

RADIANT HEATING 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 LD hePEX™ plus tubing is the same high quality Uponor tubing, but now manufactured in 1¼" and 1½" ASTM sites. 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. The ability to manufacture 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 can be used with ASTM large dimension Wirsbo hePEX plus tubing?

Tubing is now manufactured to the same ASTM standards as large dimension Wirsbo AQUAPEX tubing. Both large dimension Wirsbo AQUAPEX tubing and Wirsbo hePEX tubing are compatible with engineered plastic (EP) and brass large dimension ProPEX fitting line offerings. In the past, metric-sized tubing could only be installed with 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. See the table below to assist with selection. Refer to Appendix G in the Uponor Complete Design Assistance Manual (CDAM) for more details about pressure loss.

Metric Sizes		ASTM Sizes	
C1233200	32mm LD Wirsbo hePEX plus tubing, 328-ft. coil	A1141250	1¼" ASTM LD Wirsbo hePEX plus tubing, 100-ft. coil
		A1251250	1¼" ASTM LD Wirsbo hePEX plus tubing, 300-ft. coil
		A1921250	1¼" ASTM LD Wirsbo hePEX plus tubing, 20-ft. straight lengths (100 ft. total)
C1234000	40mm LD Wirsbo hePEX plus tubing, 328-ft. coil	A1141500	1½" ASTM LD Wirsbo hePEX plus tubing, 100-ft. coil
		A1251500	1½" ASTM LD Wirsbo hePEX plus tubing, 300-ft. coil
		A1921500	1½" ASTM LD Wirsbo hePEX plus tubing, 20-ft. straight lengths (100 ft. total)

Uponor, Inc.
5925 148th Street West
Apple Valley, MN 55124 USA
Tel: (800) 321-4739
Fax: (952) 891-2008
Web: www.uponor-usa.com

Uponor Ltd.
655 Park Street
Regina, SK S4N 5N1 CANADA
Tel: (888) 994-7726
Fax: (800) 638-9517
Web: www.uponor.ca

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