



Extra High Performance Copper Tube

Copper Iron Tube For Refrigeration Applications

Job Name	Contractor
Job Location	Wholesaler
Engineer	Streamline® XHP™ Rep

Product Description:

Streamline XHP™ Copper Iron Tube for use in refrigeration applications. Available sizes ranging from 3/8" to 2-1/8" in outside diameter for 90 BAR / 1300 PSI or 130 BAR / 1885 PSI pressure ratings at 120°C / 250°F. All tube shall be manufactured in the United States.

Material:

Streamline XHP™ Copper Tube shall be made from material in compliance with UNS C19400 grade of copper alloy.

Key Specifications:

Streamline XHP™ Copper Tube is made to meet the mechanical, cleanliness, and eddy current testing requirements of the applicable specification of ASTM B280.

Streamline XHP™ Copper Tube is third party verified through Underwriters Laboratories for max operating temperature of 120°C / 250°F and continuous pressure of 130 BAR / 1885 PSI.

Installation:

Streamline XHP™ copper material was developed for use with high pressure refrigerants. Compared to conventional pure copper Cu-DHP (99.9% Cu; UNS C12200), StreamlineXHP material is a CuFe2P alloy (2% iron; UNS C19400). This material's wettability is comparable to that of Cu-DHP.

Streamline XHP™ is not subject to any restrictions for the selection of brazing alloy. Commonly used brazing filler metal types such as BCup Alloy (may contain 0%-30% Silver – Ag) or Bag Alloy (may contain anywhere between 24% and 93% Silver – Ag) can be used. The brazing alloy chosen must be clarified with the brazing alloy supplier for each specific application. The selection of brazing alloy may depend on a few factors: applicable codes, OEM specifications, vibration, and operating temperatures.





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Copper Tube Data

Mueller Industries' cleaning process assures the high level of tube cleanliness in conformance to ASTM B280, the refrigeration industry standard. The tube is protected with green caps which maintain the standard of cleanliness from the factory to the job site.

Streamline XHP™ seamless copper tube is available in sizes 3/8" OD through 2-1/8" OD. Manufactured and cleaned in accordance with ASTM B280. 20-ft. lengths hard drawn - cleaned and capped - color coded with black - Marked "Streamline XHP™ 90 BAR / 1300 PSI or 130 BAR / 1885 PSI."

90 BAR / 1300 PSI

Item No.	Description	Diameter (OD)	Wall (inch)
90X02020	3/8 ODX 20 ACR XHP90	3/8"	0.027
90X03020	1/2 ODX 20 ACR XHP90	1/2"	0.027
90X04020	5/8 ODX 20 ACR XHP90	5/8"	0.033
90X05020	3/4 ODX 20 ACR XHP90	3/4"	0.040
90X06020	7/8 ODX 20 ACR XHP90	7/8"	0.046
90X10020	1 1/8OD X20 ACR XHP90	1-1/8"	0.060
90X12020	1 3/8OD X20 ACR XHP90	1-3/8"	0.073
90X14020	1 5/8OD X20 ACR XHP90	1-5/8"	0.086
90X20010	2 1/8OD X10 ACR XHP90	*2-1/8"	0.113

130 BAR / 1885 PSI

Item No.	Description	Diameter (OD)	Wall (inch)
130X02020	3/8" OD x 20' ACR XHP130	3/8"	0.028
130X03020	1/2" OD x 20' ACR XHP130	1/2"	0.038
130X04020	5/8" OD x 20' ACR XHP130	5/8"	0.047
130X05020	3/4" OD x 20' ACR XHP130	3/4"	0.056
130X06020	7/8" OD x 20' ACR XHP130	7/8"	0.066
130X10020	1-1/8" OD x 20' ACR XHP130	1-1/8"	0.085
130X12020	1-3/8" OD x 20' ACR XHP130	1-3/8"	0.103
130X14020	1-5/8" OD x 20' ACR XHP130	1-5/8"	0.122
130X14010	1-5/8" OD x 10' ACR XHP130	* 1-5/8"	0.122
130X20010	2-1/8" OD x 10' ACR XHP130	* 2-1/8"	0.160

*10 foot lengths

UL System: Streamline XHP™ tube was UL tested and recognized for continuous operating pressures at 130 BAR / 1885 PSI. As a UL system, Streamline XHP™ fittings and tube will be rated for 120 BAR / 1740 PSI. The lower continuous rating system is due to the XHP fittings being UL rated to 120 BAR. Please contact your Streamline XHP™ representative for any further questions or applications.