



HP90™ COPPER TUBE FOR REFRIGERATION APPLICATIONS

JOB NAME	CONTRACTOR
JOB LOCATION	WHOLESALE
ENGINEER	STREAMLINE® REP

PRODUCT DESCRIPTION:

Streamline® HP90™ Copper Tube for use in refrigeration applications with pressure requirements up to 90 BAR / 1305 PSI at 121°C / 250°F. Available sizes ranging from 3/8" to 2-1/8" OD.

MATERIAL:

Alloy UNS C12200 min 99.9% pure copper.

KEY SPECIFICATION:

Streamline® HP90 Copper Tube is available in hard, straight-lengths and made to meet the outside dimensional specifications – as well as the chemical, mechanical, cleanliness, and eddy current testing requirements – in ASTM B280. Streamline® HP90 is third party listed by UL for continuous pressure of 90 BAR / 1305 PSI at a max operating temperature of 121°C / 250°F.

INSTALLATION:

Streamline® HP90 was developed for use with higher-pressure refrigerants, such as subcritical CO2 system applications where stand-still pressure-handling capability is desired up to 90 BAR / 1305 PSI. Designed specifically for use with Streamline® XHP Copper-Iron Fittings and other valves and devices rated for similar or greater pressure handling capability.

Streamline® HP90 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 should be clarified with the brazing alloy supplier for each specific application. The selection of brazing alloy may depend on a few factors including: applicable codes, OEM specifications, operating temperatures, joining of dissimilar metals.

MARKINGS / DISTINCTION:

White ink markings indicate manufacturer, pressure rating, made in USA, etc. Royal blue caps are used to protect tube ends from physical damage as well as dirt, dust, and debris.

SPECIFICATION LANGUAGE:

Streamline® HP90 Copper Tube shall conform to the outside dimensional requirements of ASTM B280 and be joined with Streamline® XHP Copper-Iron Fittings.

- a. Operating pressure: 90 BAR / 1305 PSI Max
- b. Temperature range: 121°C / 250°F Max Continuous
- c. Tubing shall be marked with manufacturer logo or trademark, country of origin, and maximum operating pressure

-OR-

Piping systems for subcritical CO2 applications shall consist of Streamline® HP90 tube and Streamline® XHP fittings.

PRODUCT OFFERING IN HARD STRAIGHT LENGTHS ONLY:

ITEM NUMBER	PART DESCRIPTION	WEIGHT (POUNDS)	LENGTH (FEET EACH)	BUNDLE (FEET)
90HP02020	3/8" OD X 20' ACR HP90	0.145	20	500
90HP03020	1/2" OD X 20' ACR HP90	0.269	20	300
90HP04020	5/8" OD X 20' ACR HP90	0.363	20	200
90HP05020	3/4" OD X 20' ACR HP90	0.519	20	100
90HP06020	7/8" OD X 20' ACR HP90	0.704	20	100
90HP10020	1-1/8" OD X 20' ACR HP90	1.169	20	100
90HP12020	1-3/8" OD X 20' ACR HP90	1.737	20	20
90HP14020	1-5/8" OD X 20' ACR HP90	2.433	20	20
90HP20020	2-1/8" OD X 20' ACR HP90	4.134	20	20

