99.9% Pure Copper Pipe C12200 Copper Tube for air conditioning systems

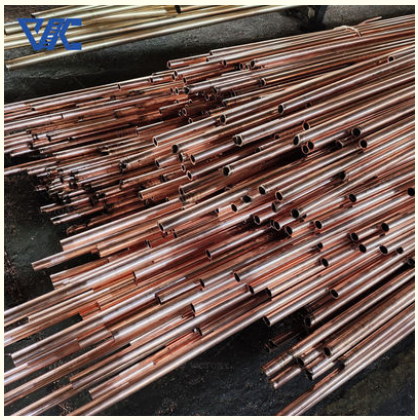
Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: TU2,C1020T,C10200,T2,C1100,C1220
- Minimum Order Quantity: 5 Kg
- Price: Negotiable
- Packaging Details: Plastic film or waterproof woven bag inside, wire packed in spool put into carton,coil wire or strip wire put into wooden case
- Delivery Time: 7 to 20 Days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month

Product Specification

- Type: Straight Copper Pipe
- Cu (Min): 99.99%
- Alloy Or Not: Non-Alloy
- Ultimate Strength (≥ MPa): 205
- Elongation (≥ %): 40%
- Model Number: ASTM B280,JIS H3300,AS/NZS1571
- Hardness: 1/16 Hard,1/8 Hard,3/8 Hard,1/4 Hard,1/2hard,full Hard.
- Application: Refrigerant Conduction, Condenser, Pipe Connections
- Highlight: **C12200 Copper Pipe**, **99.9% Pure Copper Pipe**, **air conditioning systems Copper Pipe**



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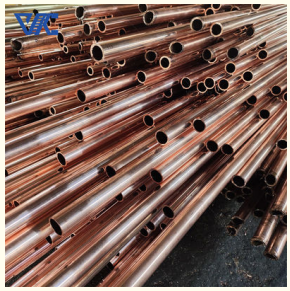

Our Product Introduction

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Product Description

Introduction:

Pure copper tubes have a copper content of 99.99% and are non-alloy copper tubes. It has high strength, reaching 205 MPa and above, and has more than 40% ductility. In terms of hardness, you can choose from different specifications such as 1/16 hardness, 1/8 hardness, 3/8 hardness, 1/4 hardness, 1/2 hardness and full hardness.

Pure copper tubes are suitable for many applications in refrigeration and air conditioning systems, including refrigerant conduction, condenser and pipe connections. It has excellent thermal conductivity and can transfer heat efficiently, which contributes to the cooling effect of the system. At the same time, pure copper tubes also have good corrosion resistance and can resist common corrosive media in refrigeration systems and extend their service life.

In short, pure copper pipe is a high-quality piping material for refrigeration and air conditioning systems. It has high strength, good ductility and thermal conductivity, and is suitable for a variety of application scenarios to ensure efficient operation and reliability of the system.

Product Features:

Excellent thermal conductivity: Pure copper tubes have excellent thermal conductivity and can efficiently conduct refrigerant and improve the efficiency of refrigeration and air-conditioning systems.
Strong corrosion resistance: Pure copper pipes have good corrosion resistance to common refrigerants and environmental conditions, reducing pipeline losses and maintenance costs.
Good plasticity: Pure copper pipes have good plasticity and can be easily processed into pipes of various shapes and sizes to adapt to different installation needs.

Advantage:

Efficient heat transfer: Pure copper tubes have excellent thermal conductivity and can quickly transfer the heat of the refrigerant, improving the cooling or heating effect of refrigeration and air-conditioning systems.
Strong durability: Pure copper pipes have high corrosion resistance and mechanical strength, and can operate stably for a long time, reducing system failures and maintenance times.
Safe and reliable: Pure copper tubes have good sealing performance, which can effectively prevent refrigerant leakage and ensure the safe operation of the system.

Specific applications:

Refrigerant conduction: Pure copper tubes serve as refrigerant conduction pipes, transmitting refrigerant from the refrigeration unit to the cooling or evaporation device to realize the refrigeration cycle.
Condenser and evaporator: Pure copper tubes are used in condensers and evaporators in refrigeration and air-conditioning systems to achieve cooling or heating effects through heat exchange of refrigerant in the tubes.
Pipe connection: Pure copper pipes are used as connecting pipes to connect different refrigeration and air-conditioning equipment together to build a complete system.

Other relevant knowledge:

Size of pure copper pipe: The size of pure copper pipe is usually expressed in outer diameter (OD) and wall thickness (WT). Common sizes include 1/4 inch, 3/8 inch, 1/2 inch, etc. The wall thickness is generally 0.035 inches to 0.065 inches.

Pipe installation precautions: When installing pure copper pipes, you need to pay attention to the correct connection and sealing of the pipes to prevent refrigerant leakage. At the same time, avoid excessive bending and mechanical damage to ensure smooth flow and long-term stable operation of the pipeline.

Pipeline maintenance: In order to keep pure copper pipes in good working condition, regular cleaning and maintenance are necessary. Especially in refrigeration and air-conditioning systems, regular inspections of pipe sealing and refrigerant flow are required to deal with problems in a timely manner to ensure the normal operation of the system.

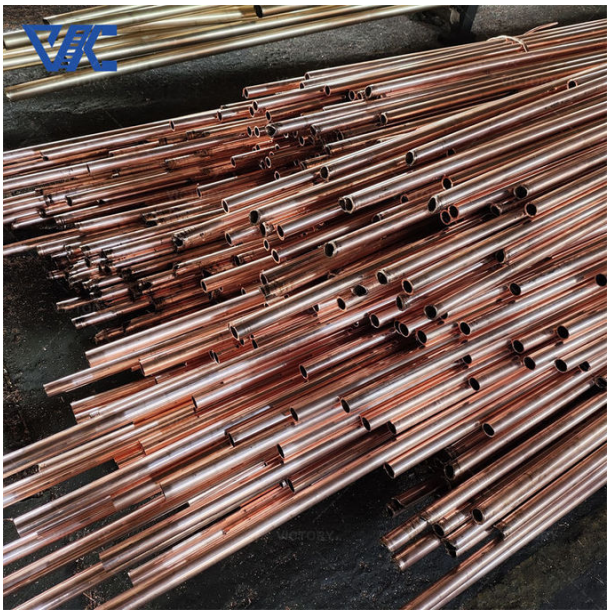
The application of pure copper tubes in refrigeration and air-conditioning systems reflects its excellent thermal conductivity, corrosion resistance and plasticity, providing important support for the efficient operation and long-term stability of the system.

Parameter:

Product name	Copper/brass/bronze pipe
Material	Copper,Pure Copper,Red Copper,Brass,Phosphor Bronze,Nickel-Copper
Grade	Copper:C11000 C10200 C1100 C1220 T2 CU-OF CU-SF Brass:C28000 C27400 C27000 C26000 C24000 CuZn40 CuZn35 CuZn30 Phosphor Bronze:C52100 C51900 Nickel Copper:C70600 CuNi10 CuNi30
Size	Outside diameter 2-800mm; wall thickness 1-220mm; Length 1- 6m; All sizes can be according to customer's requirements.
Hardness	1/16 hard,1/8 hard,3/8 hard,1/4 hard,1/2hard,full hard
Surface	Polished,bright,oiled,hair line,brush,mirror,or as required

Apllication	Copper are of good heat conductibility. They are widely used for heat exchangers, radiators, coolers, electro-heat up pipe, air conditioner and refrigerators, oil transportation, brake pipes, water pipes and gas pipes for construction,etc.
Service	Custom service
Standard	ASTMB280,JIS H3300,AS/NZS1571.JIS3300-2006
Shape	Round,Square,Rectangular,Oval,half-round

Grade			Chemical Composition(%)			
	GB	JIS	Cu + Ag	P	O	Other
Refined Copper	T1	C1020	99.95	0.001	0.02	Rem.
	T2	C1100	99.9	-	-	Rem.
	T3	C1221	99.7	-	-	Rem.
Oxygen Free Copper	TU0	C1011	99.99	0.0003	0.0005	Rem.
	TU1	C1020	99.97	0.002	0.002	Rem.
	TU2		99.95	0.002	0.003	Rem.



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