Cold Drawn Seamless Straight Pure Copper Tube C1100 C1220 Copper Tube for industrial piping

Our Product Introduction

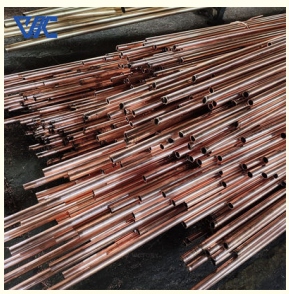
Basic Information

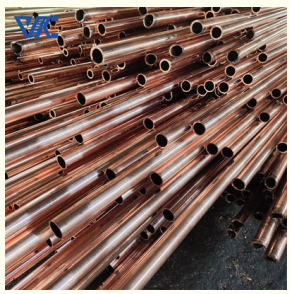
- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: TU2,C1020T,C10200,T2,C1100,C1220
- Minimum Order Quantity: 5 Kg
- Price: Negotiable
- Packaging Details: Plastic film or waterproof woven bag inside, wire packed in spool put into carton,coil wire or strip 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: **C1220 Pure Copper Tube**, **C1100 Pure Copper Tube**, **Seamless Straight Pure Copper Tube**

More Images





Our Product Introduction

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Product Description

Introduction:

Pure copper pipes are widely used in the field of industrial piping. It has excellent thermal conductivity and corrosion resistance and is suitable for transporting various fluid media, including liquids and gases. Pure copper pipes can effectively transfer heat, withstand high temperature and high pressure environments, and maintain the stability and reliability of the pipeline.

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.

Industrial piping applications include, but are not limited to, chemical process piping, oil and gas transmission piping, water and sewer piping, HVAC systems, food processing piping, and more. As a high-quality pipeline material, pure copper pipe can meet the requirements of industrial pipelines for high strength, corrosion resistance and thermal conductivity, ensuring the safe operation and long-term stability of the pipeline system.

Product Features:

Excellent corrosion resistance: Pure copper pipes have excellent corrosion resistance and can resist erosion by a variety of chemical media. They are suitable for industrial environments that handle corrosive substances.
Good thermal conductivity: Pure copper tubes have excellent thermal conductivity and can conduct heat efficiently, and are suitable for processes that require heat conduction or heat dissipation.
Strong plasticity: Pure copper pipes have good plasticity and processability, and can be easily made into pipes of various shapes and sizes to adapt to different industrial needs.

Advantage:

Strong durability: Pure copper pipes have high mechanical strength and wear resistance, can withstand high pressure and violent industrial environments, and maintain long-term stable operation.
Excellent sealing performance: Pure copper pipes have good sealing performance, which can effectively prevent medium leakage and ensure the safe operation of industrial pipelines.
Easy to install and maintain: Pure copper pipes are easier to install and easier to maintain and replace, reducing maintenance costs and downtime of the piping system.

Specific applications:

Chemical industry: Pure copper pipes are widely used in pipeline systems in the chemical industry to transport corrosive media such as acids, alkalis, and salts, such as fertilizer production, petrochemicals, and other fields.
Oil and natural gas industry: Pure copper pipes are used in pipeline systems for oil and natural gas exploration, extraction, and transportation. They carry the transmission of oil and gas media and withstand the test of high pressure and harsh environments.
Food and pharmaceutical industry: Pure copper pipes are used in the food processing and pharmaceutical industries to transport and handle food, drugs and other substances, comply with hygienic requirements, and will not cause contamination to the product.
Electronics and electrical industry: Pure copper tubes are suitable for conductive pipes in the electronic and electrical industry, such as cable sleeves, circuit board heat pipes, etc., providing good conductivity and heat dissipation properties.

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 connection methods: The connection methods of pure copper pipes include welding, copper joints, crimping and other methods. Choose the appropriate connection method according to specific needs and pipe characteristics.

Pipeline maintenance: Regularly check the tightness of pure copper pipes and the corrosion of pipe walls, and clean the inside of the pipes in time to prevent blockage and scale accumulation to ensure the normal operation of the pipeline 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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