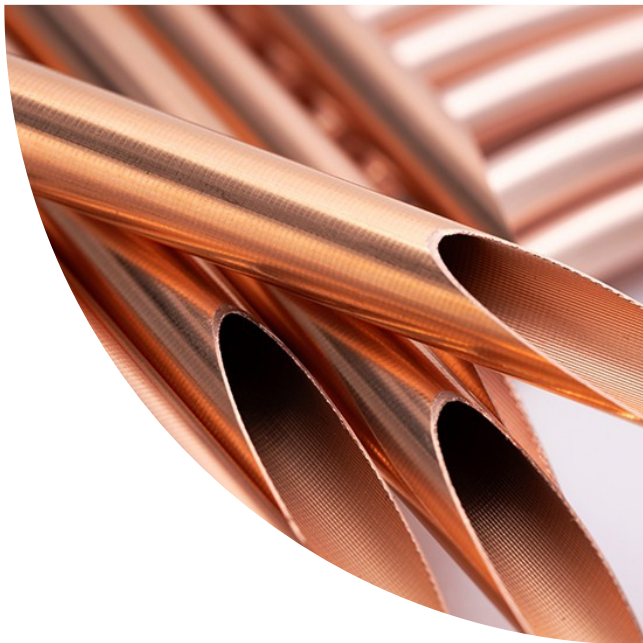
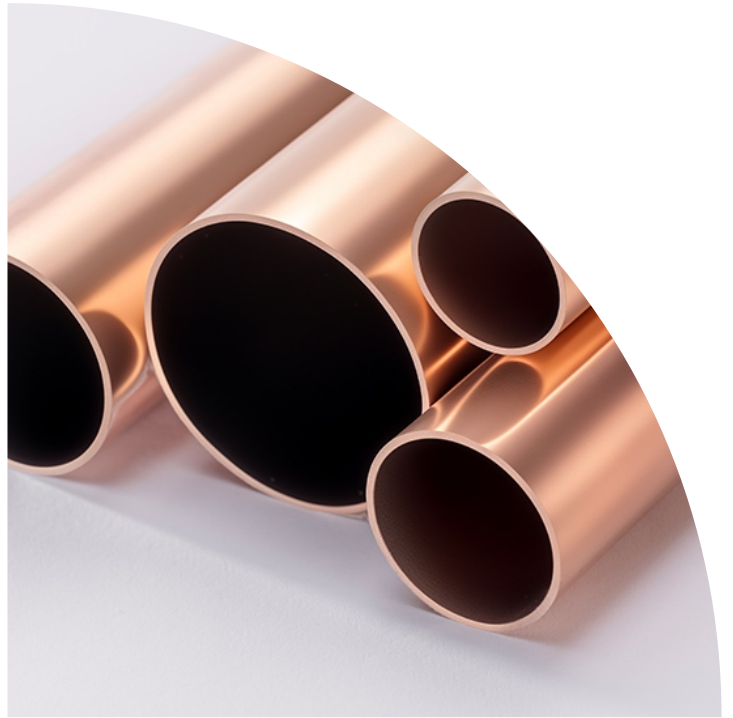




MAXCOPPER



PRODUCT CATALOG

PRODUCTION OF COPPER PIPES AND FITTINGS

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MAXCOPPER is a modern industrial enterprise located in Tashkent (Uzbekistan), specializing in the production of high-quality copper pipes using advanced technologies.

02. Why Copper Pipes

Copper is essential due to its excellent conductivity, durability, and corrosion resistance.

03. Pancake Coil

Copper pipes in the form of a “**pancake**” coil.

A pancake coil is a flat spiral coil produced by winding wire, tubing, or conductive strips in concentric layers.

04. LWC

Copper pipes in coils with horizontal winding (**LWC**) are long, continuous copper tubes wound into uniform layers without joints.

05. Internally Grooved Tubes

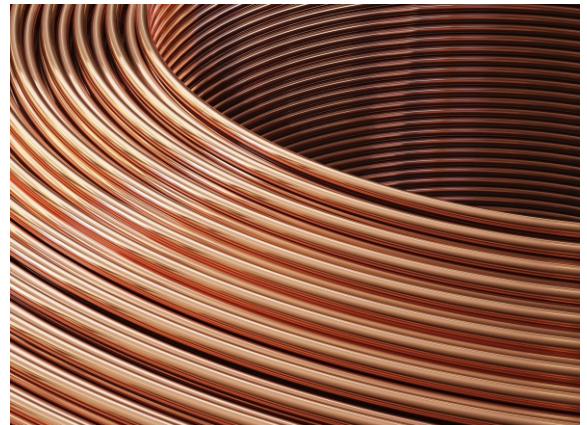
Copper tubes with internal grooves feature spiral channels inside the tube to increase surface area and improve heat transfer efficiency.

06. Copper Pipes

Straight copper pipes are rigid, pre-cut copper tubes supplied in fixed lengths (usually 3 or 6 meters).

07. Our Fittings

In addition to copper pipes, MaxCopper manufactures high-precision and durable copper fittings designed for water supply systems, heating, ventilation, and air conditioning (HVAC), as well as for a wide range of industrial applications.



■ About the Company

MAXCOPPER is a modern and dynamic industrial enterprise located in Tashkent, Uzbekistan, specializing in the production of high-quality copper pipes using advanced technologies. The company is finalizing the construction of a full-cycle manufacturing plant with an annual production capacity of 25,000 tons.

The project integrates advanced industrial equipment and technologies from Germany, China, and other developed countries.



MAXCOPPER copper pipes are widely used in construction and various industries, including water supply systems, air conditioning, heating, gas supply, and the automotive industry.

The company establishes direct partnerships with leading technological manufacturers from China and Europe, ensuring maximum efficiency of production processes and consistently high product quality.

Key production equipment, laboratory quality control systems, and auxiliary facilities are supplied directly by manufacturers, guaranteeing reliability, a modern technological level, and compliance with international standards.

Engineering communications and infrastructure development were carried out in cooperation with leading Turkish companies.

WHY COPPER PIPES

Copper is essential due to its excellent conductivity, durability, and corrosion resistance. Copper pipes are indispensable in water supply, heating, cooling, and gas distribution systems.

They ensure safe and long-lasting performance in residential, commercial, and industrial buildings, contributing to efficient energy and water distribution.



Cost-Effective

Copper is easy to work with and quick to install, reducing overall labor and material costs. Thanks to its durability, it minimizes maintenance requirements and repeat service calls.



Lightweight

Copper pipes have thinner walls compared to steel or threaded pipes, making them easier to handle, transport, and install while also saving space.



High Formability

Copper is easily bent and shaped, reducing the need for joints and elbows. This is especially beneficial in renovation and retrofit projects, allowing efficient use of wall and ceiling space.



Safety

Copper does not burn and does not release toxic fumes. It does not support combustion and helps prevent the spread of fire through floors, walls, and ceilings.



Long Service Life

Copper's high resistance to corrosion, ultraviolet radiation, and extreme temperatures ensures reliable performance and a long service life.



Fully Recyclable

Copper is 100% recyclable without any loss of quality. Due to its durability, copper used today will not end up in landfills, making it an environmentally responsible and sustainable material.

Pancake Coil

Copper Pipes in Pancake Coil Form

A pancake coil is a flat spiral coil manufactured by winding tubing, wire, or conductive strip in concentric layers. Its disc-shaped geometry provides a compact, low-profile design, making it ideal for applications where space is limited.

Pancake coils offer efficient performance, ease of installation, and versatility in electrical, mechanical, and thermal systems.

Specifications

Category	Details
Standard	ASTM B280, B68, B88, B743, GOST 617-2006, EN 12735-1, EN 12735-2
Composition	Cathode Copper and Phosphorus-Deoxidized Copper
Tube Condition	Hard, Soft
Tube Type	Pancake Coil (Flat Coil)
Unit of Measurement	Ton
Supply Form	In Flat Pancake Coils from 15 m to 50 m
Tube Dimensions	Diameter: from 4 mm to 22 mm, Wall Thickness: from 0.22 mm to 1.5 mm

🌀 Wireless Power

Used in induction chargers and power transfer devices, providing efficient, compact, and surface-based energy transmission.

🌀 Refrigeration Systems

Copper pancake coils serve as tubing sets for air conditioners and refrigeration units, ensuring ease of installation and reliable operation.

🌀 Superconductivity

Used in high-field superconducting magnets and research equipment to create stable layered coil structures and enable precise magnetic field control.

🌀 RF Components

Applied in compact inductors and antennas for radio-frequency and electronic circuit solutions, optimizing performance in space-constrained designs.

🌀 Metal Processing

Used for winding metal strips or tapes into flat coils ("pancake coils") for transportation, storage, and further processing.





Level Wound Coil Copper Tubes

LWC (Level Wound Coil) copper tubes are long, continuous copper tubes wound into uniform, even layers without joints. This packaging method ensures efficient unwinding, easy transportation, and reduced material waste.

LWC copper tubes are widely used in industrial applications and HVAC (heating, ventilation, and air conditioning) systems due to their high electrical conductivity, flexibility, corrosion resistance, and consistent quality.

Specifications

Category	Details
Standard	ASTM B280, B68, B88, B743, GOST 617-2006, EN 12735-1, EN 12735-2
Composition	Cathode Copper and Phosphorus-Deoxidized Copper
Tube Condition	Hard, Soft
Tube Type	Light Steel Coils with Smooth Winding
Unit of Measurement	Ton
Supply Form	Light Steel Coils with Smooth Winding
Tube Dimensions	Diameter: from 4 to 22 mm, Wall Thickness: from 0.22 to 1.5 mm

Medical Gas Distribution

Used in oxygen and medical gas supply networks, where clean, seamless, and corrosion-resistant copper tubes are required.

Heat Exchangers and Cooling

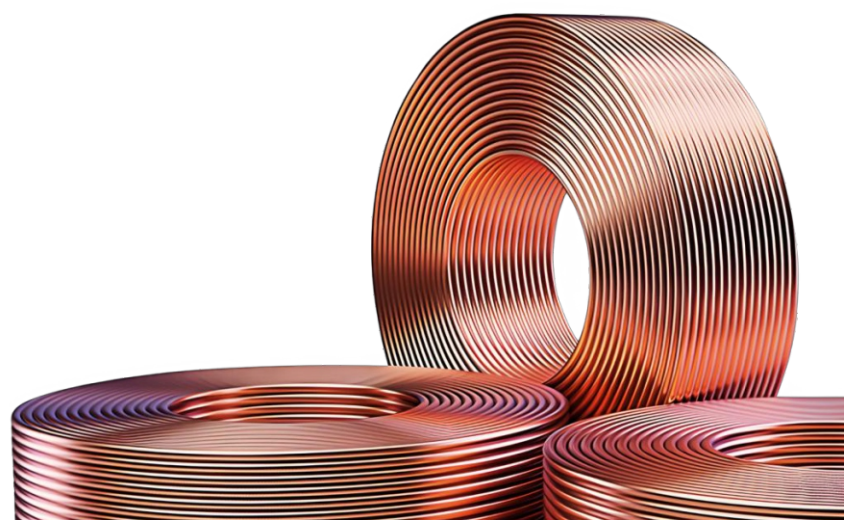
Used in condensers and heat exchangers for optimal thermal conductivity and long-term durability under variable pressure conditions.

Plumbing and Water Supply

Ideal for continuous pipe installations, reducing the risk of leaks at joints and improving installation efficiency.

Automotive and Industrial Applications

Used in vehicle air conditioning systems, hydraulic lines, and other fluid transfer systems that require reliable performance.



Internally Grooved Tubes

Formed with Spiral Grooves or Microfins

Internally grooved copper tubes feature spiral grooves inside the tube to increase the surface area and enhance heat transfer. These tubes are widely used in HVAC (heating, ventilation, and air conditioning) and refrigeration systems, improving efficiency, reducing refrigerant consumption, and enabling more compact and lightweight system designs.

Their design promotes better heat exchange and higher system performance, making them ideal for modern energy-efficient cooling and heating applications.

Specifications

Category	Details
Standard	ASTM B280, B68, B88, B743, GOST 617-2006, EN 12735-1, EN 12735-2
Composition	Cathode Copper and Phosphorus-Deoxidized Copper
Tube Condition	Soft
Tube Type	Light Steel Coils with Smooth Winding
Unit of Measurement	Ton
Supply Form	Light Steel Coils with Smooth Winding
Tube Dimensions	Diameter: from 5 mm to 9.52 mm – Wall Thickness: from 0.22 mm to 0.35 mm

Medical Gas Distribution

Used in oxygen and medical gas supply networks, where clean, seamless, and corrosion-resistant copper tubes are required.

Plumbing and Water Supply

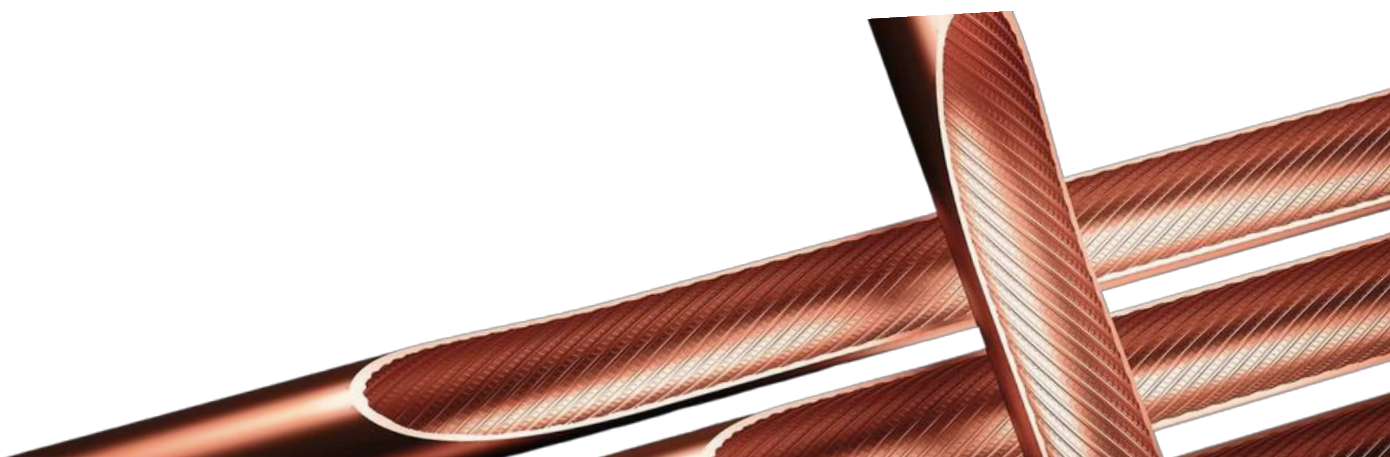
Ideal for continuous pipe installations, reducing the risk of leaks at joints and improving installation efficiency.

Heat Exchangers and Cooling

Used in condensers and heat exchangers for optimal thermal conductivity and long-term durability under variable pressure conditions.

Automotive and Industrial Applications

Used in vehicle air conditioning systems, hydraulic lines, and other fluid transfer systems that require reliable performance.



Our Copper Tubes

Straight Copper Tubes

Straight copper tubes are rigid, pre-cut tubes supplied in fixed lengths (typically 3 or 6 meters).

Thanks to their excellent thermal and electrical conductivity, corrosion resistance, and mechanical strength, these tubes are ideal for precise installations where exact dimensions and alignment are required.

Specifications

Category	Details
Standard	ASTM B280, B68, B88, B743, GOST 617-2006, EN 12735-1, EN 12735-2
Composition	Cathode Copper and Phosphorus-Deoxidized Copper
Tube Condition	Soft and Hard, Semi-Hard
Tube Type	Straight Lengths
Unit of Measurement	Ton
Supply Form	Straight Lengths from 3 m to 6 m
Tube Dimensions	Diameter: from 4 mm to 42 mm – Wall Thickness: from 0.25 mm to 2.5 mm

☉ Water Distribution Systems

Used for supplying hot and cold water with minimal leakage and a long service life.

☉ Air Conditioning

Installed to connect components in HVAC (heating, ventilation, and air conditioning) systems, ensuring reliable heat transfer.

☉ Solar Energy Systems

Used in heating circuits and solar collectors for efficient, corrosion-resistant heat transfer.

☉ Medical Piping Networks

Used in compact inductors and antennas in radio-frequency and electronic circuit applications, optimizing performance in space-constrained environments.



Our Copper Fittings

In addition to copper tubes, **MaxCopper** produces high-precision and durable copper fittings designed for water supply, heating, ventilation, and air conditioning (HVAC) systems, as well as a wide range of industrial applications.

The products feature flawless geometry, corrosion resistance, and compliance with international quality standards.

The reliability and long service life of these fittings are recognized by professionals and partners, especially in the European market, where MAXCOPPER holds a strong position among leading copper fitting manufacturers.

Copper Press Tees

These fittings comply with **EN 1254-1** and **EN 1057** standards and are made from **Cu-DHP (CW024A)** copper. Sealing materials include **EPDM** for water systems and **HNBR** for gas systems. The system is rated for a maximum pressure of **16 bar** and can operate within a temperature range of **110–120 °C**.



(D1 × D2 × D1), mm	Application
12 × 12 × 12	Small Branch Lines, Infrequently Used
15 × 15 × 15	Standard for Residential Piping Systems
18 × 18 × 18	Water Supply
22 × 22 × 22	Widely Used in Heating Systems
28 × 28 × 28	Private Houses and Boiler Rooms
35 × 35 × 35	Commercial and Residential Buildings
42 × 42 × 42	Industrial Facilities

90° Pressed Copper Elbows

These fittings comply with **EN 1254-1** and **EN 1057** standards and are made from **CW024A** copper without internal coating. They are designed for operation at temperatures up to **110 °C** and pressures up to **16 bar**.



Outer Pipe Diameter	Bending Radius (Approximate)	Application
15	~20–25 mm	Apartments, Radiators
18	~25 mm	Water / Heating
22	~30 mm	Private Houses
28	~35–40 mm	Manifolds, Boiler Rooms
35	~45 mm	Commercial Buildings
42	~55 mm	Industrial Systems

Our Copper Fittings

Modern production lines, strict laboratory quality control at every stage, and the use of high-quality raw materials allow **MAXCOPPER** to ensure consistent performance and precise connections.

As a result, MAXCOPPER products guarantee leak-tightness, easy installation, and long service life, even under high-load conditions. The company continuously invests in technology development and product range expansion, offering clients comprehensive solutions for engineering systems of any complexity.

45° Pressed Copper Elbows

These fittings are made from **Cu-DHP (CW024A)** copper and comply with **EN 1254-1** (fittings) and **EN 1057** (tubes) standards.

- **Sealing materials:** EPDM for water, HNBR for gas, FKM for high-temperature applications.
- **Pressure rating:** 16 bar
- **Operating temperature:** -20 °C to +200 °C (short-term up to +280 °C)
- **Applications:** Water supply, heating, cooling, and compressed air systems



Outer Pipe Diameter	Bending Radius (Approximate)	Application
15	~18–20 mm	Domestic Water Supply, Heating
18	~22 mm	Underfloor Heating, Distribution Manifolds
22	~25 mm	Standard Water Supply and Heating Systems
28	~30 mm	Private Houses, Main Pipelines
35	~40 mm	Manifolds, Boiler Rooms
42	~50 mm	Industrial Systems

Press Couplings (Straight)

These fittings comply with **EN 1254-1** and **EN 1057** standards and are made from **CW024A** copper without internal coating. They are designed for operation at temperatures up to **110 °C** and pressures up to **16 bar**.

Seals used: **EPDM** for water systems and **HNBR** for gas systems



Outside Diameter	Bending Radius (Approximate)	Application
15 × 15	Straight Coupling 15	Plumbing, Radiators
18 × 18	Straight Coupling 18	Euro Standard
22 × 22	Straight Coupling 22	Water Supply, Heating
28 × 28	Straight Coupling 28	Private Houses, Boiler Rooms
35 × 35	Straight Coupling 35	Apartment Buildings
42 × 42	Straight Coupling 42	Commercial Buildings

Our Copper Fittings

Pressed Copper Adapters

These fittings are made from **CW024A** copper and feature **EPDM** seals for water systems and **HNBR** seals for gas systems. They are designed for operation at temperatures up to **+110 °C** and pressures up to **16 bar**.

Manufactured in accordance with **EN 1254-1** (fittings) and **EN 1057** (copper tubes) standards, these adapters ensure reliability and long service life across a wide range of applications.



Designation	Application
Reducer 18/15	Small Branch Lines, Infrequently Used
Reducer 22/15; 22/18	Standard for Residential Piping Systems
Reducer 28/15; 28/18; 28/22	Water Supply
Reducer 35/22; 35/28	Widely Used in Heating Systems
Reducer 42/28; 42/35	Private Houses and Boiler Rooms

Copper Capillary Tubes

These tubes comply with **EN 1254-1** and **EN 1057** standards and are made from **CW024A** copper without internal coating. They are designed for operation at temperatures up to **110 °C** and pressures up to **16 bar**.

Seals used: **EPDM** for water systems and **HNBR** for gas systems.



Inlet Diameter	Coupling Designation	Application
9.52 (3/8")	6.35 × 6.35	Small Residential Multi-Split Systems
12.7 (1/2")	9.52 × 9.52	Split System with 2 Indoor Units
15.88 (5/8")	9.52 × 9.52	R410A Refrigerant Distribution
19.05 (3/4")	12.7 × 12.7	Industrial VRF Systems
22.2 (7/8")	15.88 × 15.88	Multi-Unit VRV Systems

U-Shaped Copper Fitting



Parameter	Application
Shape	U-Shaped (180° Bend)
Material	Copper (typically Cu-DHP, CW024A)
Diameters	Standard Diameters: 12, 15, 18, 22, 28, 35, 42 mm
Bending Radius	Usually 1.5–2 Times the Pipe Diameter
Connection Method	Press-Fitting, Soldering (Copper Soldering)
Application	Heating, Water Supply, Cold and Hot Water Systems, Air Conditioning Systems



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