



Catalogue

# COPPER TUBES

Offering the most sustainable copper  
solutions for future generations







# WE ARE YOUR PARTNER

## Committed to society since our very outset

We are a **family-run industrial company with more than 215 years' experience, specialising in the manufacture of semi-finished copper solutions**. World leaders in copper recycling technology and processes, with our first patent registered in 1986. Present on almost all continents, we transform copper and we transform the world.

**La Farga produces and distributes a wide range of certified copper tubes designed to offer**

### **maximum quality and efficiency.**

Copper tube is the material par excellence, thanks to ensuring maximum thermal conductivity and exponentially reducing greenhouse gas emissions, contributing to the decarbonisation of buildings.

**It is also a key element in promoting the circular economy of our society**, thanks to its infinite recycling capacity that also retains its initial natural properties.

### **A major differential compared to other materials.**

Its use is very widespread, thanks to which it can be found in a range of applications such as **the conduction of domestic water, gas, heating, solar thermal energy, air conditioning, climate control, refrigeration, medicinal gases and industrial uses**.

Our essence means that we are always developing innovative knowledge serving sustainability and society by providing new technologies and offering copper solutions that generate **a positive impact on the planet**.

# OUR TEAM, LA FARGA'S DRIVING FORCE

At La Farga we are fully confident in our team's ability to transform reality and to be agents of change by generating value. They are the driving force that moves the company, positioning us as industry leaders thanks to their talent and commitment.

Collaboration and teamwork have been key to facing opportunities and challenges for more than 215 years. For La Farga, what we do is as important as how we do it.

We are a company with a purpose, which makes us unique. We are committed to people and our values. Our positioning and conviction make us stand out in the metallurgical sector as an active company that generates shared value.

**We work with a long-term vision to ensure the viability and sustainability of the company.**



# WE CONTRIBUTE TO THE DECARBONISATION OF THE PLANET AND THE ECONOMY

**We are aware of the environmental impact that our industry has, but it is also true that our activity is essential for human development and for the energy transition.**

One of our values is innovation, and from our beginnings, we have invested and worked to place innovation at the service of sustainability.

We incorporate technologies that allow us to reduce emissions throughout the value chain and work more efficiently.

**2023 goal: To reduce GHG emissions into the atmosphere by 55% (compared to 2019).**

**2050 goal: To achieve NetZero goals with minimal greenhouse gas emissions offsets.**



# SOLUTIONS WITH THE LOWEST IMPACT

Contributing to global decarbonisation goals

## OUR BRANDS



### La Farga, our legacy

Our more than 215 years' experience has made us a recognised brand, a sign of quality with offices across almost all continents.

LA FARGA's solutions stand out both for our own manufactured products (wire rod, wire drawing, tubes, welding wires, railway electrification, etc.), as well as for our knowledge and new copper processing technologies.

The strictest quality and efficiency processes, from raw materials and their treatment to customer service, have made us what we are today.



### Genius, 100% recycled and 100% recyclable copper with the lowest carbon footprint

We offer the most sustainable copper solutions with the lowest impact, producing 100% recycled copper tubes with the lowest carbon footprint on the market and contributing to the most efficient use of natural resources.

**We ensure product traceability.** This evolution highlights the objective of offering a unique value proposition, thanks to the company's innovation and excellence.

We are proud to be the first company in the copper sector that has been awarded certification for its wire rod with an Environmental Product Declaration (EPD), endorsing the GENIUS solution as the most sustainable on the market.

We continue working to certify the traceability of all our solutions and offer our clients the lowest environmental impact.

# GUARANTEED QUALITY AND SERVICE

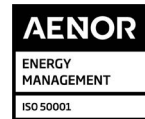
As a supplier specialised in copper tubes, we guarantee a service that meets the demands of our customers. A broad range with excellent properties, which makes it the safest option for plumbing, heating and cooling systems, and many other applications

- **100% recyclable while retaining its properties, a key metal for the energy transition** that promotes decarbonisation and the Circular Economy.
- Resistance to high temperatures, high pressures and traction.
- Minimum load loss.
- Superior resistance to wear and fatigue. Ensuring minimal dilation.
- Antimicrobial (EPA Cu+ certified).
- Resistance to UVA rays and external agents.
- Excellent mechanical properties.
- Easy installation. Excellent welding capacity.
- Malleability in its annealed versions in roll format.
- 50-year warranty (sanitary tube).
- Extensive durability and zero maintenance. Anti-corrosion treatment.
- Contrasted quality.
- Reliability and proximity.
- Flexible logistics solutions.



# CERTIFICATIONS

We guarantee the highest level of quality standards and compliance with international requirements



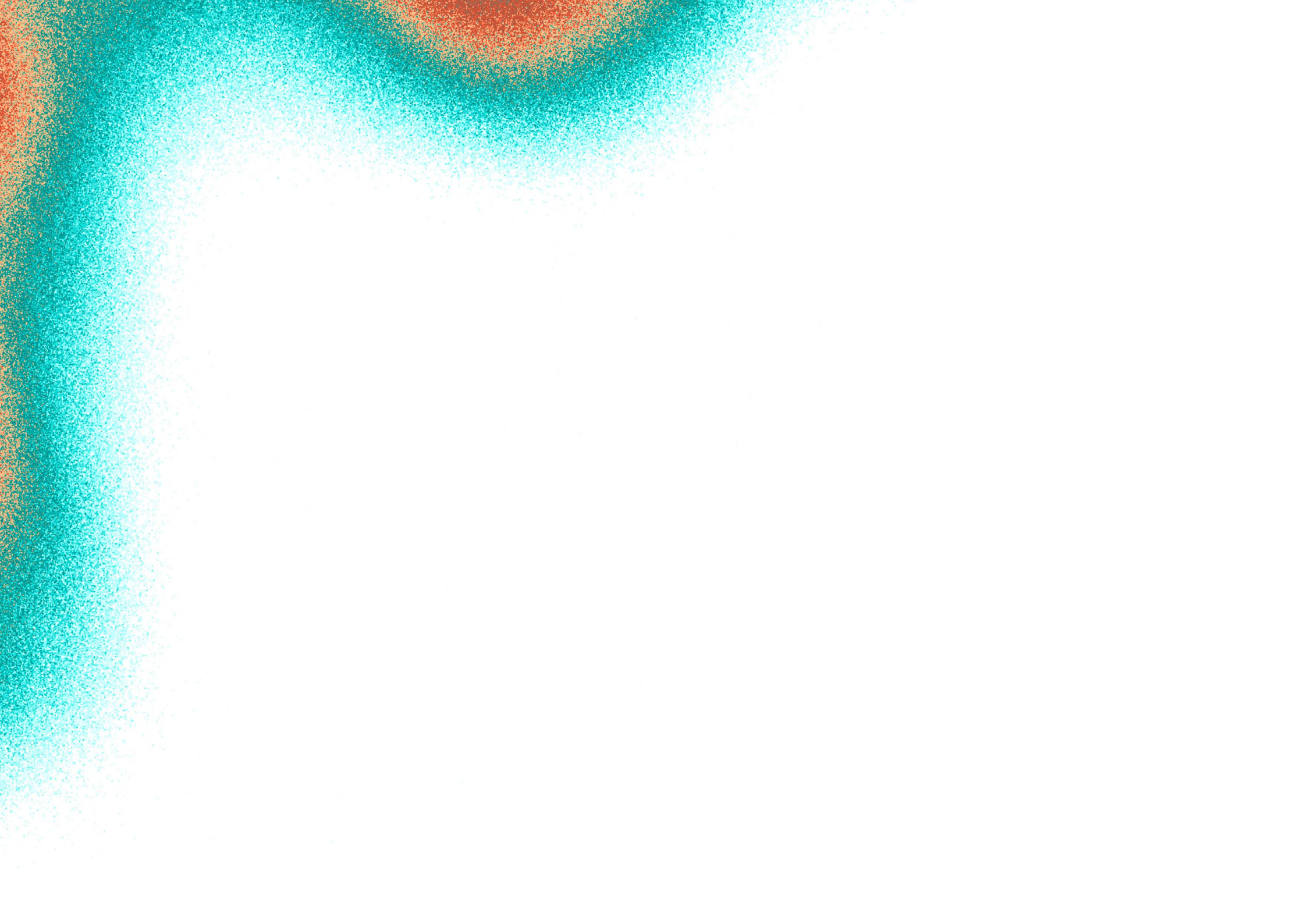
## International product certifications

- Spain, AENOR EN 1057 / EN 12735-1
- France, AFNOR EN 1057 / EN 13349
- England, BSI EN 1057
- SONELGAZ IN 1057

## Declaration of conformity

- CE
- UKCA





# APPLICATIONS

 Sanitary




 ACR



 Medicinal



 Industrial



 Copper tubes / Applications / **Sanitary**



# Sanitary applications

Range of solutions available for brands



# SANITUB

**Rigid and annealed copper tube for conduction applications for domestic water, gas, heating and solar thermal energy,** certified for all its applications by **AENOR, AFNOR, BSI, SONELGAZ** and other international certifications. In addition, our tube has the CE and UKCA declaration of conformity.

It is the top copper tube chosen by professionals for sanitary installations thanks to the maximum safety and durability it provides.

LA FARGA guarantees 50 years in order to give you maximum security and avoid any installation problems in the future.



Water



Gas



Heating



Solar energy



## Range of Lengths

Available in lengths of 2.5m and 5m

Dimension (mm)	Working pressure (bar)	Breaking pressure (kg/cm <sup>2</sup> )	Length (m)	Meters / Bundle
8 x 1	161	806	5	500
10 x 1	126	630	5	500
12 x 1	104	518	5	500
14 x 1	88	439	5	500
15 x 0,75	60	302	5	500
15 x 1	82	409	5	750
15 x 1	82	409	2,5	500
15 x 1,5	126	630	5	900
16 x 1	76	382	5	500
18 x 0,75	50	250	5	500
18 x 1	67	337	5	500
18 x 1	67	337	2,5	500
18 x 1,5	104	518	5	750

\* Values obtained by applying a safety factor of 5. Consult for more specifications.

Dimension (mm)	Working pressure (bar)	Breaking pressure (kg/cm <sup>2</sup> )	Length (m)	Meters / Bundle
22 x 1	55	213	5	500
22 x 1	55	273	2,5	500
22 x 1,5	84	418	5	500
28 x 1	43	213	5	500
28 x 1,5	65	325	5	450
35 x 1	34	170	5	250
35 x 1,5	52	257	5	350
42 x 1	28	141	5	200
42 x 1,5	43	213	5	200
54 x 1,2	60	131	5	150
54 x 1,5	33	165	5	150
64 x 1,5	28	139	5	100
76,1 x 1,5	23	116	5	50

## Range of Coils

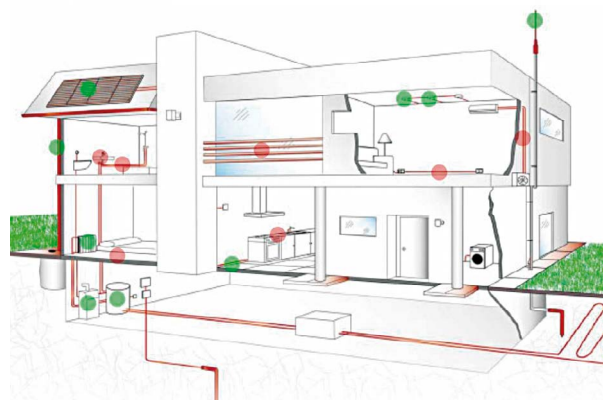
Available in coils of 25m and 50m.

Dimension (mm)	Working pressure (bar)	Breaking pressure (kg/cm <sup>2</sup> )	Length (m)	Meters / Bundle
8 x 1	122	611	25/50	1200
10 x 1	96	578	25/50	1200
12 x 1	79	393	25/50	900
14 x 1	67	333	25/50	800
15 x 1	62	310	25/50	800
15 x 1,5	96	478	25/50	800
16 x 1	58	290	25/50	800/700
18 x 1	51	256	25/50	600
18 x 1,5	79	393	25/50	600
22 x 1	41	208	25/50	350/300
22 x 1,5	64	317	25/50	350/400

\* Values obtained by applying a safety factor of 5. Consult for more specifications.

## Technical specifications

- **Standard:** UNE-EN 1057
- **Chemical composition:** CuDHP (Cu+Ag) >99.90%
- **P:** 0.015% / 0,04%
- **Condition:** hard, half-hard and annealed
- Resistant to high temperatures, **melting point:** 1083°
- **Thermal conductivity:**  $\lambda = 364 \text{ W/m}^\circ\text{C}$  (20°C)
- **Minimum expansion coefficient:** 0.0168 mm/m°C



● Construction ● Installation

## Advantages for the installation

- **Impermeable** to external agents such as oxygen.
- **Antimicrobial properties**, certified by EPA (Environmental Protection Agency) USA. It prevents the growth and eliminates up to 99.9% of bacteria and fungi on copper surfaces.
- Acts as an **inhibiting agent for the growth of legionella** in water installations.
- Maximum durability.
- Provides energy saving for the home due to its minimum pressure loss.
- Easy to install and handle.
- **Compatible with different types of accessories** (capillary soldering, compression and threaded joints, etc.).
- Immune to the action of rodents.
- Installation **guaranteed for 50 years**.
- Harmless material.
- Contributes to **sustainable home**.
- Ideal for high pressures and temperatures.
- Lower risk of leaks and accidents.
- In case of fire, it does not contribute to its propagation. It is **incombustible** and does not emit toxic gases (Class A1 European system of Euro-classes).
- **Resistant to UVA radiations**.
- **Best conductor of heat**, ideal for heating installations and the primary circuit in solar thermal energy installations.
- The most **versatile** alternative for any type of installation.
- Highly resistant to attack by materials used in construction (cement, gypsum, plaster, etc.).
- **Excellent performance** with the vast majority of **common building materials**.

## Certificates



# SANICROM

Chrome-plated annealed copper tube for conduction applications of sanitary water, gas, heating and solar thermal energy, certified for all its applications by AENOR and AFNOR. In addition, our tube has the CE declaration of conformity.



Water



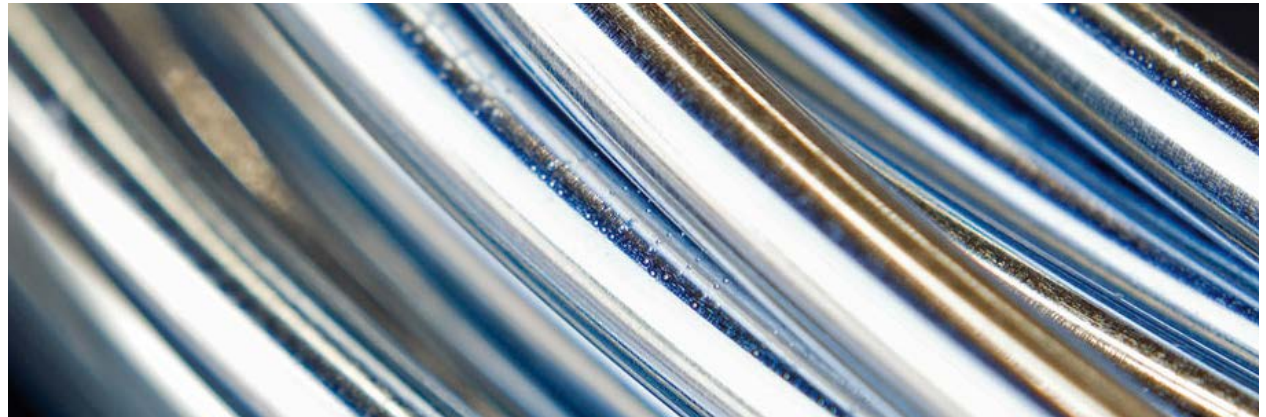
Gas



Heating



Solar energy



## Technical specifications

- **Standard:** UNE-EN 1057
- **Chemical composition:** CuDHP (Cu+Ag) > 99.90%
- **P:** 0.015% / 0.04%
- **Condition:** annealed
- Resistant to high temperatures, **melting point:** 1083°
- **Thermal conductivity:**  $\lambda = 364 \text{ W/m}^\circ (20^\circ\text{C})$
- **Minimum expansion coefficient:** 0.0168 mm/m°C

## Advantages for the installation

- Aesthetic value.
- **Impermeable** to external agents such as oxygen.
- **Antimicrobial properties**, certified by EPA (Environmental Protection Agency) USA. It prevents the growth and eliminates up to 99.9% of bacteria and fungi on copper surfaces.
- Maximum **durability**.
- **Minimum loss of load**.
- **Excellent soldering**.
- **Easy to install**.
- **Compatible with different types of accessories** (capillary soldering, compression and threaded joints, etc.).
- **Excellent performance** with the vast majority of **common building materials**.

- **Highly resistance** to attack by materials used in construction (cement, gypsum, plaster, etc.).
- Immune to the action of rodents.

## Range of Coils

Dimension (mm)	Working pressure (bar)	Breaking pressure (kg/cm <sup>2</sup> )	Lengths (m)	Meters / Pallet
8 x 1	122	611	25	800
10 x 1	96	478	25	750
12 x 1	79	393	25	500

\* Values obtained by applying a safety factor of 5. Consult for more specifications.

## Certificates



# SANISTAR

**Insulated copper tube, with PVC covering,** for sanitary water and gas applications, certified in all its applications by AFNOR. In addition, our tube has the CE declaration of conformity.



Water



Gas



## Technical specifications

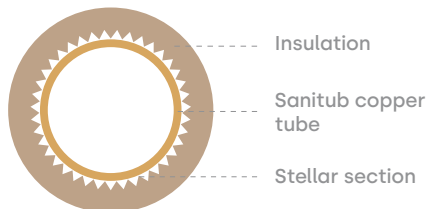
- **Standard:** UNE-EN 1057 | EN 13349
- **Chemical composition:** CuDHP (Cu+Ag) > 99.90%
- **P:** 0.015% / 0.04%
- **Condition:** annealed

## Insulation specifications

- **Material:** PVC covering (polyvinyl chloride) with stellar section in gray, odorless and non-toxic.
- **Physical properties:** resistant to temperatures from -25 to +105 °C.
- **Use:** hydro-thermo-sanitary, gas and liquid fuels installations.
- Each coil is wrapped in a transparent film. It is marked each meter and has an insulation thickness from 1.5mm to 2.5mm.

## Advantages for the installation

- **Easy to install.**
- Reduces installation labour.
- **Protects the copper tube.**
- Allows the tube to expand.
- Improves installation service quality.
- Provides **greater sustainability for the home.**



## Range of Coils

Dimension (mm)	Working pressure (bar)	Breaking pressure (kg/cm <sup>2</sup> )	Lengths (m)	Meters / Pallet
12 x 1	79	393	25	725
14 x 1	67	333	25	625
15 x 1	62	310	25	600
16 x 1	58	290	25	550
18 x 1	51	256	25	525
22 x 1	42	208	25	475

\* Values obtained by applying a safety factor of 5. Consult for more specifications.

## Certificates







# Air conditioning and refrigeration applications

Range of solutions available for brands



# CLIMATUB

Rigid and annealed copper tube for HVAC and refrigeration applications with a clean inner surface protected with a plastic cap at the end of each tube, certified in all its applications by AENOR.



Air conditioning



Cooling

## Technical specifications

- **Standard:** UNE-EN 12735-1
- **Chemical composition:** CuDHP (Cu+Ag) > 99.90%
- **P:** 0.015% / 0.04%
- **Condition:** hard, half-hard and annealed
- Suitable for R410A, R407C and R32 refrigerant gases

## Certificates



## Range of Lengths

Available in lengths of 4m and 5m.

Dimension (inches /mm)	Working pressure (bar)	Breaking pressure (kg/cm <sup>2</sup> )	Lengths (m)	Meters / Bundle
1/4 x 0,80	163	813	5	500
3/8 x 0,80	105	523	5	500
1/2 x 0,80	77	385	5	500
5/8 x 0,80	61	305	5	500
5/8 x 1	77	385	5	500
3/4 x 0,80	50	252	5	500
3/4 x 1	64	318	5	500
7/8 x 1	54	270	5	500
1 x 1	47	236	5	500
1 1/8 x 1	42	209	5	500
1 3/8 x 1,25	43	214	5	300
1 5/8 x 1,25	36	180	5	200
2 1/8 x 1,25	27	137	5	100
2 5/8 x 1,65	29	146	5	75
3 1/8 x 1,65	25	123	5	50

\* Values obtained by applying a safety factor of 5. Consult for more specifications.

## Range of Coils

Available in coils of 15m and 30m.

Dimension (inches /mm)	Working pressure (bar)	Breaking pressure (kg/cm <sup>2</sup> )	Lengths (m)	Coil / Palet	Coils per box	Boxes per palet
1/4 x 0,80	123	617	15	180	10	18
5/16 x 0,80	96	482	15	168	7	24
3/8 x 0,80	79	396	15	72	6	12
1/2 x 0,80	58	292	15	56	7	8
5/8 x 0,80	46	231	15	56	7	8
5/8 x 1	58	292	15	56	7	8
3/4 x 0,80	38	191	15	40	4	10
3/4 x 1	48	241	15	32	4	8
7/8 x 1	41	205	15	24	3	8

\* Values obtained by applying a safety factor of 5. Consult for more specifications.

## Advantages for the installation

- Specially **designed for ACR and refrigeration installations.**
- **Impermeable** to external agents such as oxygen.
- **Antimicrobial properties**, certified by EPA (Environmental Protection Agency) USA. It prevents the growth and eliminates up to 99.9% of bacteria and fungi on copper surfaces.
- **Maximum durability.**
- **Excellent soldering.**
- **Different types of accessories** can be used (capillary soldering, compression and threaded joints, etc.).
- **Excellent performance** with the vast majority of **common building materials.**
- High resistance to attack by materials used in construction (cement, gypsum, plaster, etc.).
- The most versatile alternative for any type of installation.
- **Easy to install.**
- Improves installation service quality.
- Provides **greater sustainability for the home.**
- **Resistant to high pressures**, suitable for refrigerants that operate at high pressures.
- **Resistant to high temperatures.**
- **Resistant to UVA radiations.**
- Resistant to the passage of time and breakage due to alteration or aging.
- Excellent mechanical properties.
- In case of fire, it does not contribute to its propagation. It is **incombustible** and does not emit toxic gases (Class A1 European Euroclass system).



# CLIMAPLUS

Single and twin insulated copper tubes for air conditioning and refrigeration with a clean inner surface and closed with a plastic cap at each end in order to preserve cleanliness.



Air conditioning



Refrigeration



## Technical specifications

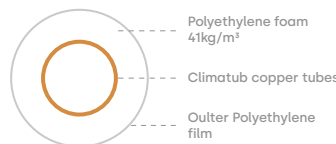
- **Standard:** UNE-EN 12735-1
- **Chemical composition:** CuDHP (Cu+Ag) > 99.90%
- **P:** 0.015% / 0.04%
- **Condition and type of packaging:** annealed in coil (R220)

## Advantages for the installation

- **Suitable for R410A, R407C and R32 refrigerant gases.**
- Reduces installation labour.
- **Improves installation service quality.**
- **Resistant to high pressures.**
- **Resistant to UVA radiations.**
- Resistant to the passage of time and breakage due to alteration or aging.
- **Excellent mechanical properties.**

## Polyethylene foam specifications

	Standard	Valor
Thermal conductivity coefficient at 10°C(h)	UNE-EN 12667 UNE-EN 12938	0.040 W/m°C
Coefficient of resistance to water vapor diffusion (μ)	UNE-EN 13469	>7000 m/h/Pa/mg
Density	UNE-EN 13470	41 Kg/m <sup>3</sup>
Thickness	UNE-EN 13467	6 a 9 mm
Aging surface finish	UNE-EN ISO	No alteration
CFC/HCFC	-	Without CFC/HCFC
Maximum service temperature	EN 14706 EN 14707	90°C



## Range of Coils

Single coil (monotube)				
Dimension (inches/mm)	Working pressure (bar)	Breaking pressure (kg/cm <sup>2</sup> )	Lengths (m)	Meters/Pallet
1/4	123	617	25/50	800
3/8	79	396	25/50	650/700
1/2	58	292	25/50	400/500
5/8	46	231	25/50	350/400
3/4	48	241	25/50	250/400

\* Values obtained by applying a safety factor of 5. Consult for more specifications.

Twin coil (bitube)		
Dimension (inches/mm)	Lengths (m)	Meters/Pallet
1/4 - 3/8	20	400
1/4 - 1/2	20	320
1/4 - 5/8	20	320
3/8 - 5/8	20	280

\* Values obtained by applying a safety factor of 5. Consult for more specifications.

 Copper tubes / Applications / **Medicinal**



# Medicinal applications

Range of solutions available for brands

**La Farga**  TUBES **Genius**  TUBES  
by La Farga

# MEDICINAL

**Rigid copper tube for vacuum and medical gas applications** with a clean inner surface protected with a plastic cap at each end of the tube in order to preserve cleanliness.



Medicinal gases



Vacuum



## Technical specifications

- **Standard:** UNE-EN 13348
- **Chemical composition:** CuDHP (Cu+Ag) > 99.90%
- **P:** 0.015% / 0.04%
- **Condition:** hard, half-hard and annealed

## Range of Coils

Dimension (mm)	Working pressure (bar)	Breaking pressure (kg/cm <sup>2</sup> )	Lengths (m)	Meters / Pallet
8 x 1	122	611	50	1400
10 x 1	96	478	50	1000
12 x 1	79	393	50	1000
14 x 1	67	333	50	800
15 x 1	62	310	50	700
18 x 1	51	256	35	420
22 x 1	41	208	35	280

\* Values obtained by applying a safety factor of 5. Consult for more specifications.

## Range of Lengths

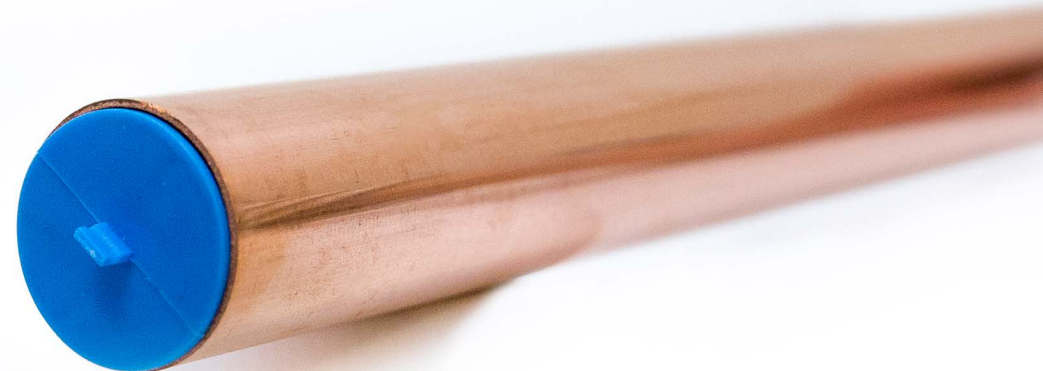
Dimension (mm)	Working pressure (bar)	Breaking pressure (kg/cm <sup>2</sup> )	Lengths (m)	Meters / Pallet
8 x 1	161	806	5	500
10 x 1	126	630	5	2000
12 x 1	104	518	5	1500
14 x 1	88	439	5	500
15 x 1	82	409	5	1500
16 x 1	76	282	5	500
18 x 1	67	337	5	1000
22 x 1	55	280	5	1000
28 x 1	43	213	5	625
28 x 1,2	51	257	5	500
35 x 1	34	169	5	350

Dimension (mm)	Working pressure (bar)	Breaking pressure (kg/cm <sup>2</sup> )	Lengths (m)	Meters / Pallet
35 x 1,5	52	257	5	395
42 x 1	28	141	5	300
42 x 1,5	43	213	5	300
54 x 1,2	26	131	5	165
54 x 1,5	33	165	5	165
64 x 1,5	28	139	5	110
76,1 x 1,5	23	116	5	500

\* Values obtained by applying a safety factor of 5. Consult for more specifications.

## Advantages for the installation

- Specially designed for the **conduction of medicinal gases according to the mandatory European Regulation EN 13348**.
- **Monitoring of traceability throughout the process**, from manufacturing through to installation.
- **Quality required for hospital facilities**.
- **Impermeable** to external agents such as oxygen.
- **Antimicrobial properties**, certified by EPA (Environmental Protection Agency) USA. It prevents the growth and eliminates up to 99.9% of bacteria and fungi on copper surfaces.
- **Maximum durability**.
- Excellent soldering.
- **Different types of accessories** can be used (capillary soldering, compression and threaded joints, etc.).
- Highly resistance to attack by materials used in construction (cement, gypsum, plaster, etc.).
- **Easy to install**.
- **Health protector**.
- Excellent mechanical properties.
- Resistant to high temperatures and high pressures.
- Traceability monitoring.
- In case of fire, it does not contribute to its propagation. It is **incombustible** and does not emit toxic gases (Class A1 European system of Euro-classes).
- **Special internal cleanliness** guaranteed by the sealing of each length or coil with caps at the ends.





# Industrial applications



Range of solutions available for brands





# INDUSTRIAL

**Seamless annealed copper tube and Level Wound Coil (LWC)** for industrial applications such as heat exchangers, evaporators, condensers, connectors, fittings and other accessories.



Exchanger



Evaporation



Condensation



Connection

## Range of Lengths technical specifications

- **Standard:** EN 12735-1 / -2 | EN 1057 | EN 12449 and according to customer specifications
- **Chemical composition:** CuDHP (Cu+Ag) > 99.90%
- **P:** 0.015% / 0.04%
- **Condition:** Hard, half-hard and annealed with 5m and 6m lengths
- **Diameter:** from 6mm to 80 mm
- **Thickness:** 0.6mm to 2.5 mm

## Range of Coils technical specifications

- **Standard:** EN 12735-1 / -2 / EN 1057 / EN 12449 and according to customer specifications
- **Chemical composition:** CuDHP (Cu+Ag) > 99.90%
- **Condition:** annealed
- **Diameter:** from 6mm to 22 mm
- **Packaging:** coil (LWC), maximum 150 kg / 7 coils per pallet / Pancake





### Advantages for the installation

- Specially **designed for industrial applications**.
- **Antimicrobial properties**, certified by EPA (Environmental Protection Agency) USA. It prevents the growth and eliminates up to 99.9% of bacteria and fungi on copper surfaces.
- **Maximum durability**.
- Excellent soldering.
- **Health protector**.
- **Excellent mechanical properties**.
- Resistant to high temperatures and high pressures.
- **Impermeable to external agents** such as oxygen.
- Thermal conductivity:  $\lambda = 364 \text{ W/m}^\circ\text{C}$  (20°).







LA FARGA yourcoppersolutions, S.A.

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