



Catalogue

# COPPER TUBES

Offering the most sustainable 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.

World leaders in copper recycling technology and processes, with our first patent registered in 1986. We have offices in almost all continents, and we transform copper and 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 reduces greenhouse gas emissions, contributing to the decarbonisation of buildings.

**It is also a key element to promote 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

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 to provide new technologies and offer copper solutions that generate **less 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 be agents of change generating value. They are the driving force that drives the company, positioning us as leaders in the sector thanks to their talent and commitment.

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

We are a company with a purpose, which makes us unique. Committed to people and our values. Our positioning and conviction makes us stand out in the metallurgical sector as a company active in generating 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

While we at La Farga are aware of the environmental impact that the industry has, there is also no doubt that our activity is essential for human development and for the energy transition.

One of our values is innovation, something we have invested in and worked on since the very outset 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.

**La Farga's main objective is to reduce GHG emissions into the atmosphere by 55% (compared to 2017) by 2030. And our 2050 goal is to achieve NetZero goals with minimal greenhouse gas emissions offsets.**



# SOLUTIONS WITH THE LOWEST IMPACT

Contributing to global decarbonisation objectives

## 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 and special cables, 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, has made us what we are today.



### 100% recycled and 100% recyclable Genius copper with the lowest carbon footprint use of natural resources.

We offer the most sustainable copper solutions with the lowest impact, directly 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 product with an Environmental Product Declaration (EDP), endorsing the GENIUS product 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 make 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 standards.



## International product certifications

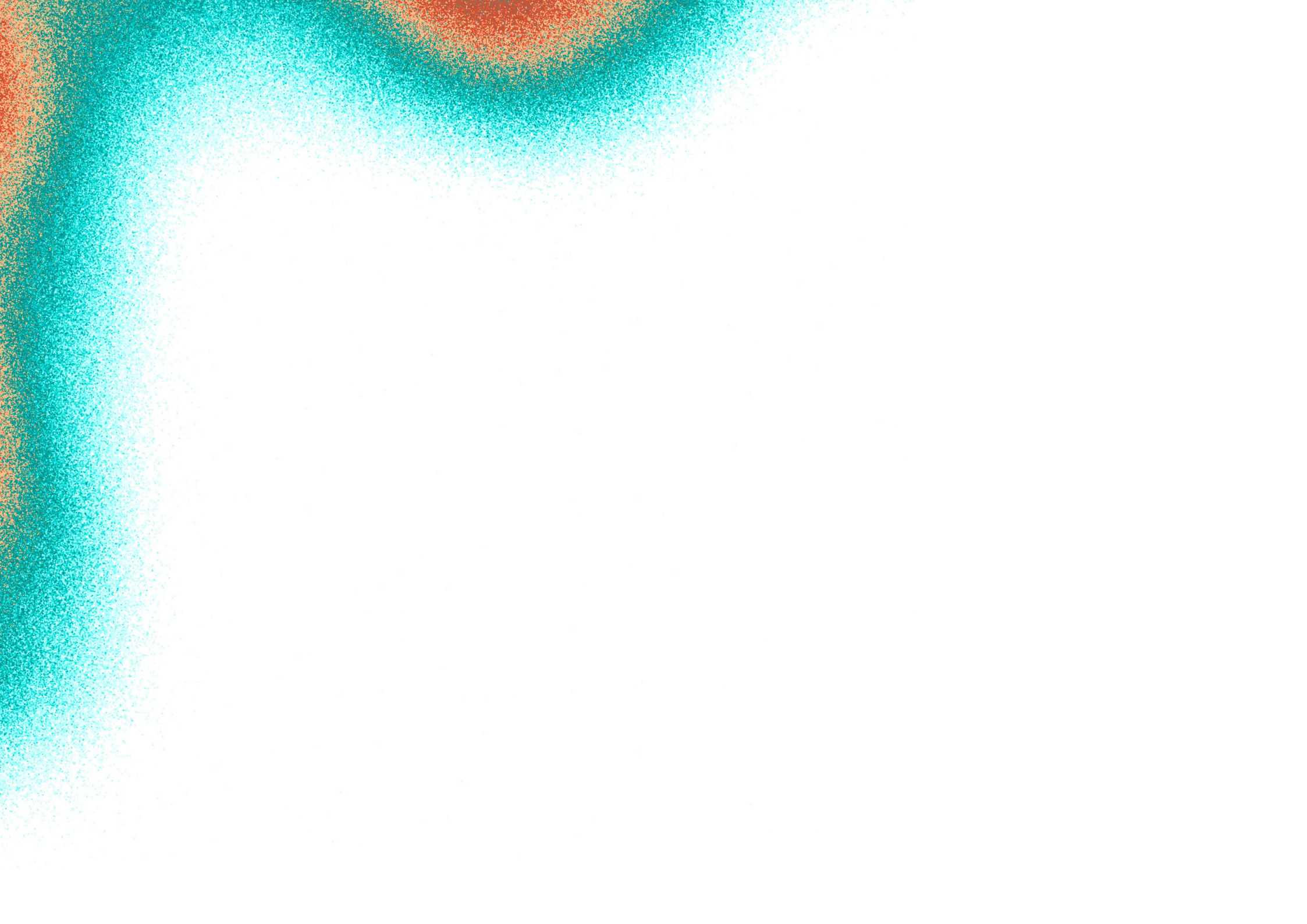
- Spain, AENOR EN 1057 / EN 12735-1
- France, AFNOR EN 1057 / EN 13349
- England, BSI EN 1057
- SONELGAZ IN 1057

## Declaration of conformity

- EC
- UKCA







# APPLICATIONS

 Sanitary



 ACR



 Medicinal



 Industrial



 Copper tubes / Applications / **Sanitary**



# Sanitary applications

Range of products 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 UNE-EN 1057** and CE declaration.

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 of peace of mind with the installation of our tubes.



Water



Gas



Heating



Solar energy



## Strips Range

Available in 2.5 and 5m strip lengths  
Check specifications.

Dimension (mm)	Working pressure (bar)	Burst pressure (kg/cm <sup>2</sup> )	Strip length (m)	Meters/ Bundle
15 x 0,75	60	302	5	500
18 x 0,75	50	250	5	500
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 1	82	409	5	750
16 x 1	76	382	5	500
18 x 1	67	337	5	500
22 x 1	55	213	5	500
28 x 1	43	213	5	500
35 x 1	34	170	5	250
42 x 1	28	141	5	200

Dimension (mm)	Working pressure (bar)	Burst pressure (kg/cm <sup>2</sup> )	Strip length (m)	Meters/ Bundle
54 x 1,2	26	131	5	150
15 x 1,5	126	630	5	900
18 x 1,5	104	518	5	750
22 x 1,5	84	418	5	500
28 x 1,5	65	325	5	450
35 x 1,5	52	257	5	350
42 x 1,5	43	213	5	200
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
15 x 1	82	409	2,5	500
18 x 1	67	337	2,5	500
22 x 1	55	273	2,5	500

## Rolls Range

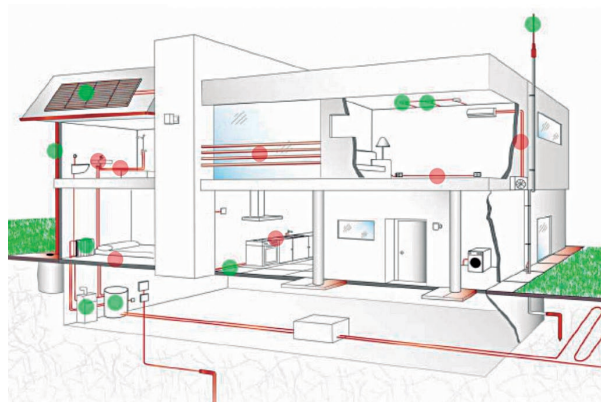
Available in roll lengths of 25 and 50 m.  
Check specifications.

Dimension (mm)	Working pressure (bar)	Burst pressure (kg/cm <sup>2</sup> )	Strip length (m)	Meters/ Bundle
8 x 1	122	611	25/50	1200
10 x 1	96	478	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
16 x 1	58	290	25/50	800/700
18 x 1	51	256	25/50	600
22 x 1	41	208	25/50	350/300
15 x 1,5	96	478	25/50	800
18 x 1,5	79	393	25/50	600
22 x 1,5	64	317	25/50	350/400

\* Values obtained by applying a safety factor of 5.

## Technical characteristics

- Standard: UNE-EN 1057
- Chemical composition: CuDHP (Cu+Ag) >99.90%
- P: 0.015% / 0.4%
- Condition: hard, semi-hard and annealed
- Resistant to high temperatures, melting temperature 1083°
- Thermal conductivity: 364 W/m° (20°)
- Minimum expansion coefficient: 0.0168 mm/m°

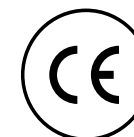


● Construction ● Installation

## Benefits for the facility

- **Impervious** to external agents such as oxygen.
- **Antimicrobial properties**, certified by EPA (Environmental Protection Agency) USA. Prevents the growth and eliminates 99.9% of bacteria and fungi on copper surfaces.
- Acts as an **inhibitor of legionella growth** in water installations.
- Maximum durability.
- Provides energy savings to the home thanks to its minimal load loss.
- Easy to install and handle.
- **Compatible with different types of accessories** (capillary welded, compression and threaded).
- Immune to the action of rodents.
- **50-year warranty** in its installation.
- Harmless material.
- Contributes to **sustainable housing**.
- Ideal for high pressures and temperatures.
- Lower risk of leaks and accidents.
- It is **non-combustible** and does not emit any toxic gases (Class A1 European Euroclass system).
- **Resistant to UVA rays**.
- It is the **best heat conductor**, ideal for heating installations and primary circuit in solar thermal energy.
- The most versatile alternative for any type of installation.
- High resistance to attack by materials used in construction (cement, plaster, plaster, etc.).
- **Excellent performance** with the vast majority of **common construction materials**.

## Certificates:



# SANICROM

Chromed and annealed copper tube for conduction applications for domestic water, gas, heating and solar thermal energy, certified in all its applications by AENOR and EC declaration:



Water



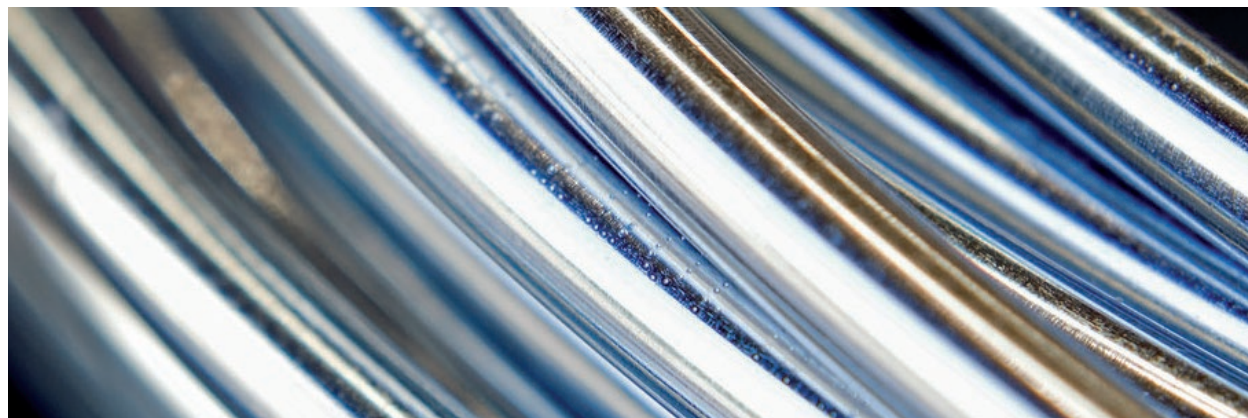
Gas



Heating



Solar energy



## Technical characteristics

- Standard: UNE-EN 1057
- Chem. comp: CuDHP (Cu+Ag) > 99.90%
- P: 0.015% / 0.04%
- Condition: annealed
- Resistant to high temperatures, melting temperature: 1083°
- High thermal conductivity:  $\lambda = 364 \text{ W/m}^\circ (20^\circ)$
- Coeff. minimum expansion: 0.0168 mm/m°

## Benefits for the facility

- Aesthetic value.
- **Impervious** to external agents such as oxygen.
- **Antimicrobial properties**, certified by EPA USA.
- Prevents growth and eliminates 99.9% of bacteria.
- Maximum **durability**.
- **Minimum load loss**.
- **Excellent welding**.
- **Easy to install**.
- Allows a **range of types of accessories** to be used.
- **Excellent performance** with the vast majority of **common construction materials**.
- **High resistance** to attack by the materials used in construction.
- Immune to the action of rodents.

## Rolls Range

Dimension (mm)	Working pressure (bar)	Burst pressure(kg/cm <sup>2</sup> )	Roll length (m)	Meters/Pallet
8	123	617	25/50	800
10	79	396	25/50	750
12	58	292	25/50	500

\* Values obtained by applying a safety factor of 5

Certificates:



# SANISTAR

**Insulated copper tube** for domestic water and gas applications.



Water



Gas



## Sanitary copper tube technical characteristics

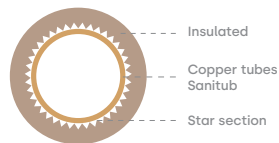
- Standard: UNE-EN 1057
- Chemical composition: CuDHP (Cu+Ag) > 99.90%
- P: 0.015% / 0.04%
- Condition: annealed

## Benefits for the facility

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

## Insulation characteristics

- **Material:** PVC (polyvinyl chloride) coating, with a star section in gray and a smooth section in yellow, odorless and non-toxic. Chemical composition: CuDHP (Cu+Ag) > 99.90%
- Physical properties: resistance to temperatures from -25 to +105 °
- Use: hydro-thermo-sanitary installations, gas and liquid fuels. Each roll is wrapped with a cling film. It is marked every meter and has a coating thickness of 1.5 to 2.5 mm.



Insulated

Copper tubes Sanitub

Star section

## Rolls Range

Dimension (mm)	Working pressure (bar)	Burst pressure (kg/cm)	Roll length (m)	Meters/Pallet
10 x 1	96	478	25	750
12 x 1	79	393	25	750
14 x 1	67	333	25	675
15 x 1	62	310	25	625
16 x 1	58	290	25	625
18 x 1	51	256	25	575
22 x 1	42	208	25	550

\* Values obtained by applying a safety factor of 5.

## Certificates





# Air conditioning and refrigeration applications

Range of products available for brands:





# CLIMATUB

Rigid, annealed copper HVAC and refrigeration tubing with a clean interior surface protected by plastic plugs at each end of the tubing.



Air conditioning



Cooling



## Technical characteristics

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

## Certificates:



## Strips Range

Dimension (inches / mm)	Working pressure (bar)	Burst pressure (kg/cm <sup>2</sup> )	Strip length (m)	Meters/Bundle
3/8 x 0,80	105	523	5	500
1/2 x 0,80	77	385	5	500
1/4	163	813	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

Available in 4 and 5m strip lengths  
Check specifications.

\* Values obtained by applying a safety factor of 5.

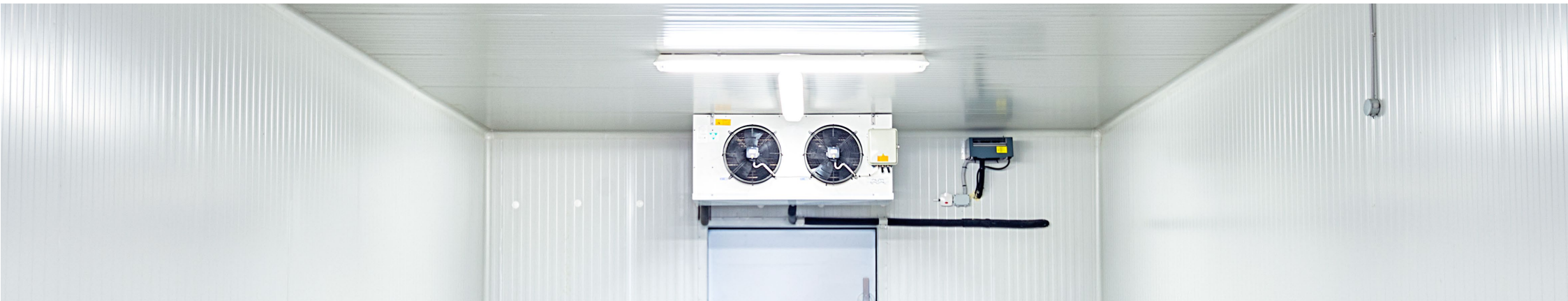
## Rolls Range

Dimension (inches / mm)	Working pressure (bar)	Burst pressure (kg/cm <sup>2</sup> )	Roll length (m)	Roll/Pallet	Rolls per box	Boxes per pallet
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

Available in 15 and 30m strip lengths  
Check specifications.

## Benefits for the facility

- Specially **designed for ACR and refrigeration installations.**
- **Impervious** to external agents such as oxygen.
- **Antimicrobial properties**, certified by EPA (Environmental Protection Agency) USA. Prevents the growth and eliminates 99.9% of bacteria and fungi on copper surfaces.
- **Maximum durability.**
- **Excellent welding.**
- **Allows the use of different types of accessories** (capillary welded, compression and threaded).
- **Excellent performance** with the vast majority of **common construction materials.**
- High resistance to attack by materials used in construction (cement, plaster, etc.).
- The most versatile alternative for any type of installation.
- **Easy to install.**
- Improves service quality for the facilities.
- Provides **greater sustainability to the home.**
- **Resistant to high pressures**, suitable for refrigerants that work at high pressures.
- **Resistant to high temperatures.**
- **Resistant to UVA rays.**
- Resistant to the passage of time and breakage due to alteration or aging.
- Excellent mechanical properties across the board.
- Does not contribute to the spread of fire. It is **non-combustible** and does not emit any toxic gases (Class A1 European Euroclass system).



# CLIMAPLUS

Insulated single and twin copper tube for air conditioning with a clean interior surface and closed with a plastic plug at each end in order to preserve cleanliness.



Air conditioning



Cooling



## Tube characteristics

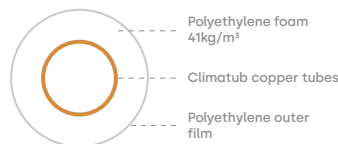
- Standard: UNE-EN 12735-1
- Chemical composition: CuDHP (Cu+Ag) > 99.90%
- P: 0.015% / 0.04%
- Condition and form of packaging: annealed in roll (R220)

## Benefits for the facility

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

## Foam characteristics

	Standard	Value
Thermal conductivity coefficient at 10°(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 to 9 mm
Aging surface finish	UNE-EN ISO	Zero alteration
CFC/HCFC	-	CFC/HCFC Free
Maximum service temperature	EN 14706 EN 14707	90°C



## Rolls Range

Single tube roll				
Dimension (mm)	Working pressure (bar)	Burst pressure (kg/cm <sup>2</sup> )	Roll length (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

Bitube roll				
Dimension (mm)	1/4 - 3/8	1/4 - 1/2	1/4 - 5/8	3/8 - 5/8
Roll length (m)	20	20	20	20
Meters/Pallet	400	320	320	280

\* Values obtained by applying a safety factor of 5.

 Copper tubes / Applications / **Medicinal**



# Medicinal applications

Range of products available for brands

**La Farga**  TUBES

**Genius**  TUBES  
by La Farga

# MEDICINAL

**Rigid copper tube for vacuum and medical gases**  
with a clean interior surface protected with plastic  
plugs at each end of the tube.



Medicinal gases



Vacuum



## Technical characteristics

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

## Rolls range

Dimension (mm)	Working pressure (bar)	Burst pressure (kg/cm)	Rolls length (m)	Meters/Pallet
8 x 1	122	611	50	1400
10 x 1	96	478	50	1000
14 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

## Strips Range

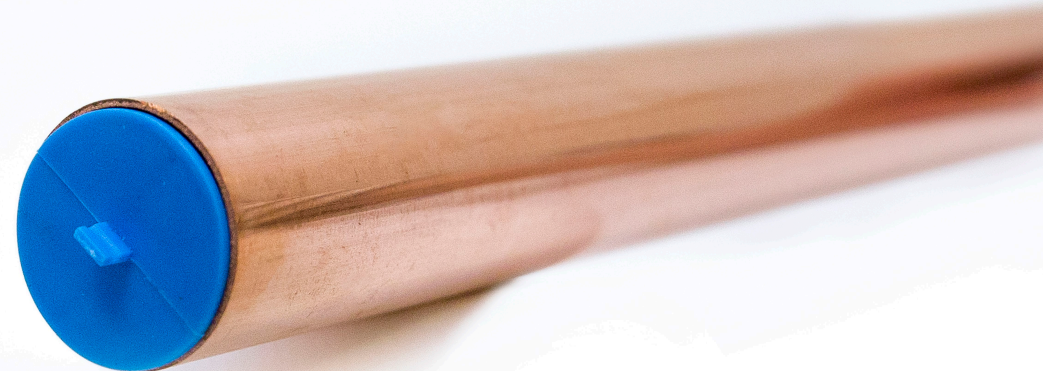
Dimension (mm)	Working pressure (bar)	Burst pressure (kg/cm)	Roll length (m)	Meters/Pallet
8 x 1	161	806	5	500
10 x 1	126	630	5	2000
12 x 1	104	518	5	1500
14 x 1	88	439	5	500
15 x 1	82	409	5	1500
16 x 1	76	282	5	500
18 x 1	67	337	5	1000
22 x 1	55	280	5	1000
28 x 1	43	213	5	625
35 x 1	34	169	5	350
42 x 1	28	141	5	300

Dimension (mm)	Working pressure (bar)	Burst pressure (kg/cm)	Roll length (m)	Meters/Pallet
28 x 1,2	51	257	5	500
54 x 1,2	26	131	5	165
35 x 1,5	52	257	5	395
42 x 1,5	43	213	5	300
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.

## Benefits for the facility

- Specially designed for the **conduction of medical gases according to mandatory European Regulation EN 13348**.
- **Traceability control throughout the process**, from manufacturing to installation.
- **Quality required for hospital facilities**.
- **Impervious** to external agents such as oxygen.
- **Antimicrobial properties**, certified by EPA (Environmental Protection Agency) USA. Prevents the growth and eliminates 99.9% of bacteria and fungi on copper surfaces.
- **Maximum durability**.
- Excellent welding.
- **Allows the use of different types of accessories** (capillary welded, compression welded, threaded and cold joints).
- High resistance to attack by materials used in construction (cement, plaster, etc.).
- **Easy to install**.
- **Health protective qualities**.
- Excellent mechanical properties across the board.
- Resistant to high temperatures and high pressures.
- Traceability control.
- Does not contribute to the spread of fire. It is **non-combustible** and does not emit any toxic gases (Class A1 European Euroclass system).
- **Special interior cleaning** guaranteed by the sealing of each strip or roll using caps at the ends.





# Industrial applications



Range of products available for brands



# INDUSTRIAL

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



Exchanger



Evaporation



Condensation



Connection

## Strip range characteristics

- Standard: EN 12735-1 / -2 / EN 1057 / EN 12449 / EN 12451 and others.
- Chemical composition: CuDHP (Cu+Ag) > 99.90%
- P: 0.015% / 0.04%
- Condition and presentation: Hard with 5 and 6m strips, semi-hard with 5 and 6 m strips and annealed with 5 and 6 m strips.
- Diameter: from 6 to 80 mm.
- Thickness: 0.6 to 2.5 mm.

## Roll range characteristics

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







## Benefits for the installation of industrial tubes.

- Specially **designed for industrial applications.**
- **Antimicrobial properties**, certified by EPA (Environmental Protection Agency) USA. Prevents the growth and eliminates 99.9% of bacteria and fungi on copper surfaces.
- **Maximum durability.**
- Excellent welding.
- **Health protective qualities.**
- **Excellent mechanical properties.**
- Resistant to high temperatures and high pressures.
- **Impervious to external agents** such as oxygen.
- High thermal conductivity:  $\lambda = 364 \text{ W/m}^\circ (20^\circ)$ .





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