Specifications for mono-metallic high-finned tubes

Base-tube:
- Diameter: From Ø 10mm to Ø 38,1mm
  From Ø 4/10 inch to Ø 1,5 inch
- Material: Aluminium, copper, brass

Finning:
- Fin height: Up to 9,5mm
  Up to 3/8 inch
- Number of fins: From 197 per meter to 433 per meter
  From 5 per inch to 11 per inch
- Material: Aluminium and copper (limited)

Specifications for bi-metallic high-finned tubes

Base-tube:
- Diameter: From Ø 8mm to Ø 50.8mm
  From Ø 3/10 inch to Ø 2 inch
- Material: Various types

Finning:
- Fin height: From 9.55mm to 15.88mm
  From 3/8 inch to 5/8 inch
- Number of fins: From 197 per meter to 472 per meter
  From 5 per inch to 12 per inch
- Material: Aluminium and copper (limited)

Low Finned Tubes

Specifications for low-finned tubes

Finning parameters:
- \(D_0\) = Ø 9 to Ø 50.8mm
- \(D_z\) = Ø 8.8 to Ø 50.6mm
- \(D_p\) = Ø 6.5 to Ø 47.8mm
- \(d_w\) = Ø 4.5 to Ø 25.8mm

Finning: 16, 19 and 26 fins per inch
Base tube: Carbon steel, stainless steel, copper and brass
**Applied High Finned Tubes (L, KL, LL & G type)**

- **G-FIN**
  - Fins are mechanically embedded in a groove around the base tube.
  - Temperature: 400°C (750°F).

- **LL-FIN**
  - Overlapped tension-wound L-fins are an economical alternative to extruded finned tubes.
  - Temperature: 165°C (330°F).

- **KL-FIN**
  - Knurled tubes enhance the bonding of the L-Fins.
  - Temperature: 250°C (480°F).

- **L-FIN**
  - L-Fins are tension-wound around the base tube.
  - Temperature: 130°C (270°F).

**Specification for applied finned tubes**

- **Base-tube:**
  - Diameter: From Ø 15.88mm to Ø 50.8mm
  - From Ø 5/8 inch to Ø 2 inch
  - Material: Various types

- **Finning:**
  - Fin height: From 9.55mm to 15.88mm
  - From 3/8 inch to 5/8 inch
  - Number of fins: From 275 per meter to 472 per meter
  - From 7 per inch to 12 per inch
  - Material: Aluminium or copper

**Tube Supports and Specials**

**Specification for half-pipe (tube) supports (boxes)**

- Aluminium half-pipe supports/boxes
- Aluminium cast half-pipe supports
- Aluminium half-pipe boxes pre-assembled on the tubes
- Zinc collars moulded onto the tubes
- Hexagonal silicon supports on the tubes
Louvers can be operated either manually or automatically, using pneumatic or electrical actuator-positioners.

The louvers manufactured by Airco-Fin have set the benchmark for quality for many years. Louvers are available in extruded aluminium, a material characterized by high corrosion resistance and are provided with special coating on the bottom flange to prevent corrosion between louver and bundle frame. Our bearings have a lifetime guarantee and never require lubrication.

Louver blades can be fitted in parallel or opposite to one another. The fact that Airco-Fin designs its louvers in accordance with the API 661 / ISO 13706 standard, also points to the product’s level of quality.
The chemical and petrochemical industries play a key role in setting quality standards. Not surprisingly, Airco-Fin therefore places strong emphasis on quality management. This management is integrated into all production phases. The company’s quality plan, which is based on ISO 9001, consists of a thorough initial inspection of the base materials, quality assurance throughout the manufacturing process, and a rigorous final check. As a result, all products leaving the Airco-Fin factory justifiably receive the designation “High Quality”. One of the interim inspections involves performing a tensile test to examine the bonding of the fins. Other tests focus on such aspects as fin spacing, diameter and thickness. Airco-Fin is thus able to guarantee that its products fully meet the requirements specified by its customers.

Reliable delivery

“Always deliver on time” is Airco-Fin’s motto. To prove our commitment to this, the company is happy to arrange the export of its goods from the Netherlands at your request. You will not be responsible for any time-consuming paperwork, delivery times are generally reduced, and the most cost-effective mode of delivery is utilised. Of course, Airco-Fin also dedicates much attention to its product packaging. To prevent damage during storage and transport, the tubes are separately packed in sturdy wooden cases.
AIRCO-FIN B.V. NETHERLANDS

E: info@aircofin.nl
Airco-Fin B.V. in the Netherlands is in the global market leader in the sale of finned tubes.
With subsidiaries and affiliated companies in India, Poland and Hungary, the Airco-Fin Group is dedicated to quality and reliable delivery times.
Our customers can be found all over the world, encompassing refineries, petrochemical/gas plants, manufacturers of equipment for various industries, and maintenance contractors for retubing/replacement services:

- All types of finned tubes for air-cooled heat exchangers.
- Tube supports in aluminium or zinc.
- Aluminium, corrosion-free louvers according to API 661 / ISO 13706 standard.

CEMAL, MEMBER AIRCO-FIN GROUP

E: fintube@cemal.com.pl
CEMAL, founded in 1989 in Poland, has been part of the Airco-Fin Group since 2009. It has been manufacturing extruded and low finned tubes, coils and small heaters since the company was founded.

All workshops within the Airco-Fin Group have their own ISO 9001:2008 certification.

AIRCO-FIN TUBES INDIA PVT LTD

E: info@aircofintubes.com
Airco-Fin Tubes India is a part of the Airco-Fin Group and was founded in 2005 in Hyderabad. Two new workshops with extruded and applied finning machines in combination with Airco-Fin's 30+ years of experience guarantees the same high quality and service provided by Airco-Fin in the Netherlands.