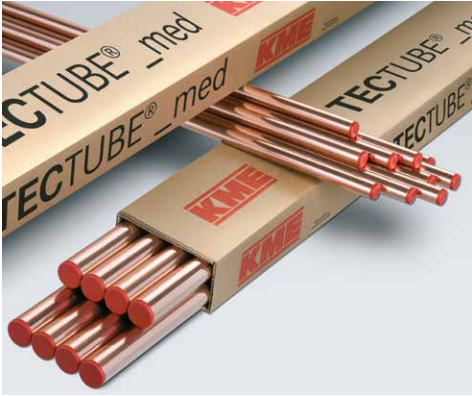


TECTUBE®\_cips  
TECTUBE®\_med

KME Germany GmbH & Co. KG  
TECTUBE®\_cips, TECTUBE®\_med  
[GB]



# TECTUBE®\_cips TECTUBE®\_med

**Ultra clean Copper Tubes for the conduct of industrial gases, refrigerants and for usage in vacuum-installations. They are gas-tight, can be used in high working pressure installations, they have excellent processing characteristics and are fully corrosion – resistant. An extremely clean inside surface of the tube can be guaranteed by the application of special cleaning processes.**



# TECTUBE®\_cips

**TECTUBE®\_cips** was created for the usage in Air Conditioning and Refrigeration (AC&R) – equipment and for conducting gases in industry and laboratories. It is used as conduct pipe or restrictor pipe. Its particular characteristic is the bright, clean and dry inside surface. The requirements of the European standard EN 12735-1 (seamless copper tubes for Air Conditioning and Refrigeration systems; Tubes for piping systems) and the ASTM B 280 are largely exceeded.

The aforementioned standards for copper – piping systems for the Air Conditioning and Refrigeration technology require the respect of a maximum degree of contamination on the inside surface of 38 mg/m<sup>2</sup>.

To guarantee the cleanliness of the inside surface both tube ends are closed hermetically with caps or plugs.

The traceability according to EG-pressure vessel rule PED 97/23/EC is guaranteed by engraving the calendar production date (day/month/year of production), the tube size and further tracing information.

**TECTUBE®\_cips** is available in pancake coils and straight lengths.



# TECTUBE®\_med

**TECTUBE®\_med** is used for the equipment of supply installations for medical gases and for vacuum installations.

Its particular characteristic is the specially cleaned inside surface exceeding the requirements of the European standard EN 13348. (Seamless, round copper tubes for medical gases or vacuum)

This standard requires that the maximum degree of contamination must not exceed 20 mg/m<sup>2</sup>.

Tubes of the **TECTUBE®\_med** brand are qualified for usage in medical gas piping-systems according to the European standard EN 737-3. To guarantee the cleanliness of the inside surface both tube ends are closed hermetically with caps or plugs.

The traceability according to EG-pressure vessel rule PED 97/23/EC is guaranteed by engraving the calendar production date (day/month/year of production), the tube size and further information.

**TECTUBE®\_med** is available in straight lengths.



Dimensions/Sizes

TECTUBE®\_cips

| Imperial<br>(inch) Size | Pancake Coils |                   | Max. Allowed Working<br>Pressure (bar) |
|-------------------------|---------------|-------------------|--|
| 1/4"                    | 6.35 x 0.80   | 15.2 m and 30.4 m | 144                                    |
| 5/16"                   | 7.94 x 0.80   | 15.2 m and 30.4 m | 112                                    |
| 3/8"                    | 9.52 x 0.80   | 15.2 m and 30.4 m | 92                                     |
| 1/2"                    | 12.70 x 0.80  | 15.2 m and 30.4 m | 67                                     |
| 5/8"                    | 15.88 x 0.80  | 15.2 m            | 53                                     |
| 5/8"                    | 15.88 x 1.00  | 15.2 m            | 67                                     |
| 3/4"                    | 19.05 x 0.90  | 15.2 m            | 50                                     |
| 3/4"                    | 19.05 x 1.00  | 15.2 m            | 57                                     |
| 7/8"                    | 22.22 x 1.00  | 15.2 m            | 47                                     |

TECTUBE®\_cips / TECTUBE®\_med

| Imperial<br>(inch) Size | Straight Lengths |     | Max. Allowed Working<br>Pressure (bar) |
|-------------------------|------------------|-----|--|
| 3/8"                    | 9.520 x 0.80     | 5 m | 92                                     |
| 1/2"                    | 12.700 x 0.80    | 5 m | 67                                     |
| 5/8"                    | 15.875 x 0.80    | 5 m | 53                                     |
| 3/4"                    | 19.050 x 0.90    | 5 m | 60                                     |
| 7/8"                    | 22.220 x 0.89    | 5 m | 42                                     |
| 7/8"                    | 22.220 x 1.00    | 5 m | 47                                     |
| 1 1/8"                  | 28.575 x 0.89    | 5 m | 32                                     |
| 1 1/8"                  | 28.575 x 1.22    | 5 m | 45                                     |
| 1 3/8"                  | 34.925 x 0.92    | 5 m | 27                                     |
| 1 3/8"                  | 34.925 x 1.02    | 5 m | 30                                     |
| 1 5/8"                  | 41.275 x 1.22    | 5 m | 31                                     |
| 2 1/8"                  | 53.975 x 1.22    | 5 m | 23                                     |
| 2 5/8"                  | 66.675 x 1.63    | 5 m | 25                                     |
| 3 1/8"                  | 79.375 x 1.63    | 5 m | 21                                     |
| 3 5/8"                  | 92.075 x 2.03    | 5 m | 23                                     |

Main sizes are also available in metric dimensions.

**Technical Data:**

The production of **TECTUBE®\_cips** and **TECTUBE®\_med** is carried out following the rules defined by a Quality Management System approved DIN ISO 9001:2000 and ISO/TS 16949:2002 as well as PED 97/23/EC.

The raw material used for the production of **TECTUBE®\_cips** and **TECTUBE®\_med** is copper CU-DHP according to EN 12735-1 and EN 13348.

Please direct any complementary question to your local stockholder who will liaise with us.

**Warranty**

In Germany **TECTUBE®\_cips** are included in a warranty agreement with the VDKF (German Association of Air Conditioning and Refrigeration experts) and the BIV (National Organisation of Refrigeration-Craftsmen, Germany). Similar international warranty agreements are in preparation.





TECTUBE®\_cips



TECTUBE®\_med



**TECTUBE®\_cips** and **TECTUBE®\_med** are seamless drawn tubes made of copper (CU-DHP). They are available in straight lengths and pancake coils.

#### Key benefits

- gas tight
- very clean inner surface **TECTUBE®\_cips**
- extra cleaned inner surface for medical standards **TECTUBE®\_med**
- traceability marking for each single tube
- KME – quality brand product.

**TECTUBE®\_cips**  
**TECTUBE®\_med**

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