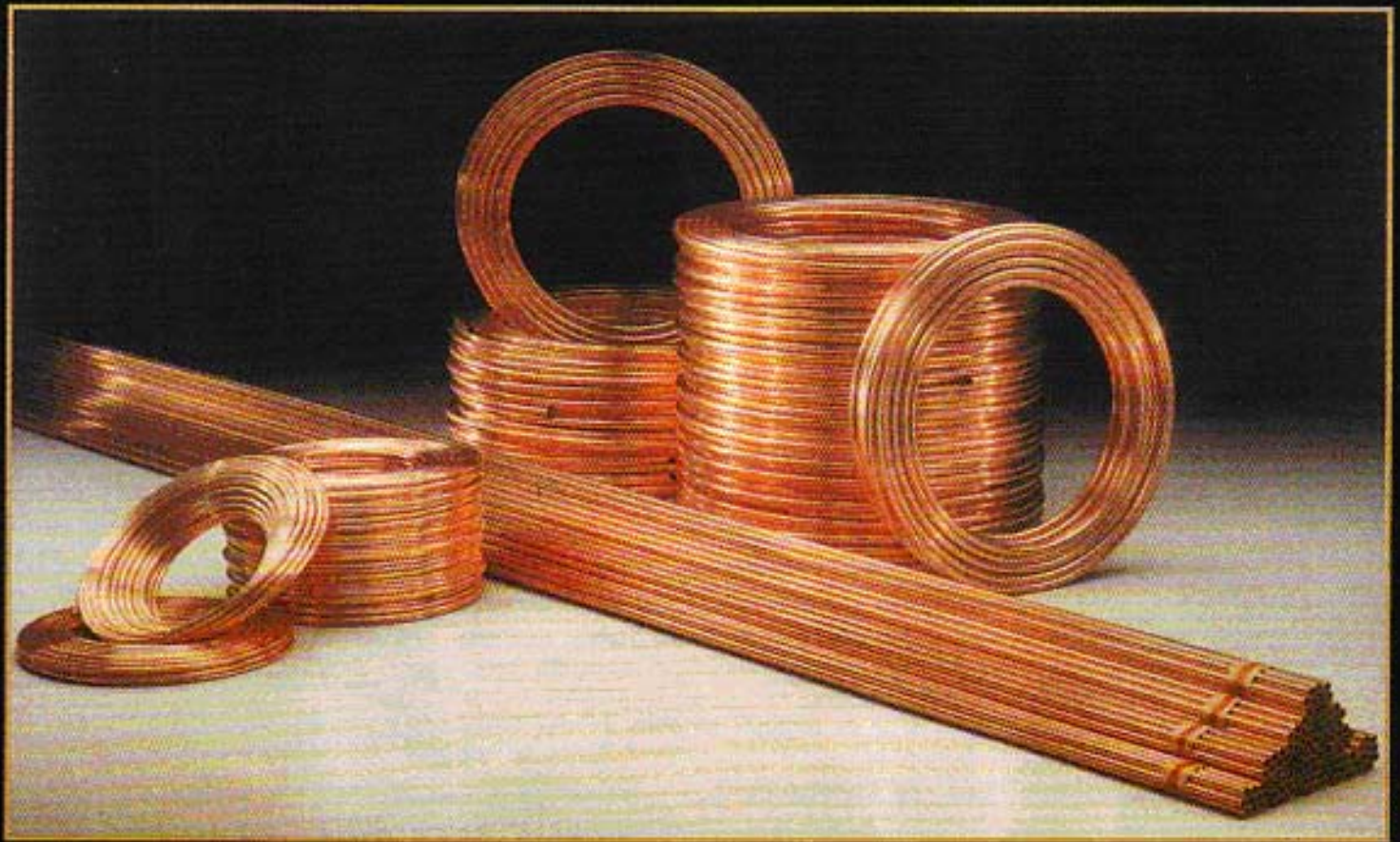




Rajco Metal Industries Pvt. Ltd.



A Company With Mettle
Copper Tubes & Fittings

Air Conditioning, Refrigeration and Medical Gas Tubes



Rajco produces copper tubes in DHP grade for a wide spectrum of the heating, ventilating, airconditioning, refrigeration, medical gas & cooling industry.

Tubes are manufactured to suit various specifications; prominent amongst these are the ASTM B68, ASTM B75, BS 2871, EN 1057, ASTM B280 and the JIS H3300. Tubes are also manufactured to suit internal customer specifications. We are proud to supply to a wide range of refrigeration & airconditioning requirements in hard, half hard, quarter hard or soft annealed condition.



Airconditioning & Refrigeration copper tubes are made from phosphorous deoxidised copper (DHP Grade) alloy C-106 or UNS No. C-12200 with minimum copper purity of 99.9% and phosphorous purity of 0.015% to 0.040% with strict dimensional tolerances as per ASTM B251 to ensure the highest standards & guaranteed performance. The internal bore cleanliness meets the requirement of the residue test as specified by the codes to give you a meticulously clean, mirror-like inner surface & also to suit the new refrigeration gases like R 134 A, R-600 or R-410 & refrigeration lubricants like Ester Oil. The tube integrity is well defined by the fact that all tubes meet the standards of ASTM E243 & are eddy current tested to ensure that a defect free and flawless tube is supplied to the customer.



Rajco's AC & R tubes are bright annealed, having uniform grain size, controlled hardness, elongation & tensile strength. Tubes can be readily bent, manipulated, soldered or brazed.

Rajco's refrigeration quality tubes are not only exported, but are also contributing to import substitution in India, relied upon by Hitachi, Daewoo, Voltas, Kirloskar Copeland, Electrolux, BPL Sanyo, Blue Star and Matsushita. The sizes manufactured range from 1 5/8" OD to 1/8" OD & in thickness from 10 to 30 SWG. Tubes can be supplied in 50 feet or 15 metres coil form or in straight length as per client requirements.



Relied Upon By

HITACHI
Inspire the Next

DAEWOO
CORPORATION ELECTRONICS & APPLIANCE

VOLTAS

AS THE HEART OF COOLING

COMPRESSOR
KIRLOSKAR
COPELAND

Copper tubes for medical gas lines are specially cleaned and are supplied to the installer capped or plugged. Apart from the obvious reasons to ensure the cleanliness of copper tubes for these applications, oxygen under pressure, may cause spontaneous combustion of some organic oils which are residues of lubricating oils used during the manufacture of copper pipes and more so, for the medical safety of patients. Copper tubes are chosen for surgical vacuum systems, because of its resistance to corrosion and easily cleaned internal surfaces and when in use, detergents are periodically passed through to purge and sterilize the lines.

This is because both copper tubes and fittings are the only solution for supplying medical gases with proper safety and cleanliness requirements conforming to various specifications. Safety standards for copper and other positive pressure medical gases require the use of copper tubes with special cleanliness. Rajco conforms to these

Relied Upon By

Electrolux

BPL SANYO

BLUE STAR
BREATHE EASY

National
MATSUSHITA



Plumbing Tubes & Fittings



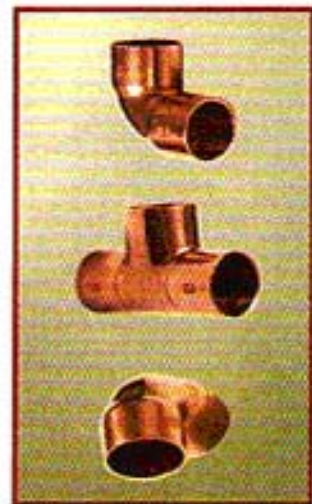
Plumbing tubes are manufactured in compliance to the ASTM B88 or the BS 2871, Part 1 now superseded by the new European standard EN1057 for water, gas and sanitation. Rajco is also the exclusive distributor in India for Flowflex Components Ltd., UK a part of Flowflex Group of Companies. Flowflex has been able to achieve its position of leadership with world class products that are regarded as the professionals choice through a combination of close and established links with customers and trade bodies. Rajco boasts of having supplied plumbing systems to the best in the industry including Hyatt, Intercontinental, Trident, Taj, Meridien, Ecotel, Sheraton, Hilton, Regent, Marriot etc. The BS 2871 specifies 3 wall thickness suitable for hot and cold water installations under Table X, Y & Z. Tubes are supplied in soft, half hard or hard condition in lengths and 10 feet and 5.8 meters to suit client requirements.



Tubes are 100% eddy current tested to meet exacting standards for the plumbing industry. Mechanical and chemical properties meet the standards of BS 2871, Part 1 : 1971 or the EN 1057 as per the requirements for non-arsenical copper and the chemical composition meets the standards of BS 1172 alloy C-106, which is phosphorous de-oxidised copper (DHP) grade. Rajco is proud to state that it is the only Indian manufacturer which supplies flawless tubes for plumbing with 100% eddy current testing as per ASTM E-243. Rajco Copper Tubes are tested for internal bore cleanliness to meet the stringent requirement of Carbon film & content tests required by EN1057.



Flowflex is a long established UK based manufacturing company. Flowflex Group of Companies are the largest private fittings manufacturers in Europe. Flowflex, an ISO 9002 accredited company, manufacturing fittings for plumbing and heating applications is approved by many bodies which include the WRc; UK, DVGW; Germany, ETA; Denmark, British Gas UK KIWA, Gaster and is a BSI registered firm. Qualitatively, Flowflex fittings are amongst the best in the industry and are exported to various countries around the globe.



Our clients include :



HIRANANDANI GARDEN
Mumbai



LE ROYAL MERIDIEN
Mumbai



TAJ REGENT
Mumbai

Rajco Metal Industries Pvt. Ltd. has grown into a leading manufacturer of copper tubes with an international reputation as an innovative, dependable and high quality producer of copper based products in India, known for their quality, consistent supply and sophisticated laboratory testing, in-process quality control at every stage of manufacture and commitment to produce the best products to ensure the highest standards and guaranteed performance of our copper tubes for the plumbing, heating, air conditioning, refrigeration, instrumentation, medical gas and oil & gas industries.

Our plant has integrated facilities to produce tubes for a wide range of requirements, which include various applications. Manufacturing facilities comprise of induction-melting, the casting of the molten copper into copper billets, hot extrusion of these billets into mother-tubes, cold drawing of these tubes to various dimensions and precise tolerances on multi-die draw benches and bull blocks. The finishing line includes non-destructive online eddy current testing which ensures a flawless product, bright annealing of copper tubes to achieve various tempers & a meticulously clean inner bore and final coiling, straightening and finishing. Inspection line including hardness, chemical composition, tensile and yield strength, hydrogen embrittlement test and various other tests like hydraulic, pneumatic, flaring etc. as required by the standards.

Our tubes undergo several stringent tests conducted by the best in the industry like Llyods Bureau Veritas or SGS. Our products are relied upon by various clients like the naval shipyards, railways, air conditioner, refrigerator, heat exchanger or boiler manufacturers, chemical plants, refineries and for the medical gas amongst others.



Rajco Metal Industries Pvt. Ltd.

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