The American Brass Company

Waterbury 20, Conn.

ANACONDA
from mine to consumer

District Offices in Principal Cities
IN CANADA: ANACONDA AMERICAN BRASS LIMITED, NEW TORONTO, ONTARIO

PRODUCTS—Anaconda Phosphorized Copper Tubes and Fittings; Anaconda "85" Red Brass Pipe; Everdur Metal for storage heaters, storage tanks, ducts and air-conditioning equipment

Anaconda Types K and L Phosphorized Copper Tubes, assembled with solder-joint Fittings, offer an unusual combination of advantages for hot water and low pressure steam heating systems, including radiant panels. These advantages may be summarized briefly as follows:

Low Friction Loss—Because the inside surfaces of copper tubes are inherently smoother than those of pipe and tubes made of ferrous materials, and also because they do not become roughened by the formation of rust, these tubes offer a lower resistance to flow. In addition, the long-radius turns of elbows and the smooth inside surface of wrought copper fittings further reduce friction losses.

These factors naturally increase the efficiency of the system, particularly when it includes a forced-pressure circulator.

Ease of Installation—In many places the flexibility of copper tubes simplifies connections that ordinarily would be awkward and expensive to make with rigid pipe and threaded fittings. Solder-joint fittings are compact. They can be installed in restricted space where the use of a wrench would be impossible.

They meet the requirements for these types of tubes in Federal Specification WW-T-799a and *ASTM* Specification B88 when so specified. Type K, the heavier, is recommended for heating lines and general piping.

Anaconda Copper Tubes, in standard sizes are furnished soft in 60- and 100-ft coils; also hard and soft in 20-ft straight lengths.

*** PG's (Pre-Formed Panel Grids)** Anaconda Panel Grids are machine formed radiant-heating coils of Type L copper tube, supplied in two standard panel sizes and two nominal diameters (⅜ in. for ceilings, ½ in. for floors). They can be contracted or expanded by hand to obtain a range of C-C spacings. *Publication C-6* describes economies of PG's, gives simplified design suggestions and short-cuts to calculating heat output.

CUSTOM-MADE CAPILLARY TUBES

Anaconda Custom-Made Capillary Tubes, for restrictor purposes, are made to specific mutually agreed-upon airflow limits. These limits alone are the basis for production.

Initial shipments contain Master Reference Sample Tubes with labels giving maximum and minimum flow capacities agreed upon. Duplicate Master Samples are kept in the mill files. Every subsequent shipment of tubes will be made to the limits of the Master Samples.

REFRIGERATION TUBING

Anaconda Dehydrated Copper Refrigeration Tubes are manufactured in accordance with *ASTM* Specification B280 in all standard sizes up to and including ¾ in. O.D., in 50-foot coils. The tubes are sealed immediately after annealing and dehydrating.

VIBRATION ELIMINATORS

American Vibration Eliminators—Compressor vibration and noise are muffled in a line equipped with an American Vibration Eliminator. The corrugated tin-bronze tubing is *seamless*. Copper ferrules and tube ends are *braze welded*. Each unit is pressure-tested under water, is spotlessly clean and dry, and is packed in a polyethylene envelope.

* Trademark Reg. U. S. Pat. Off.

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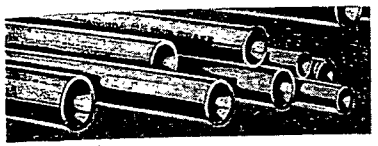

ANACONDA "85" RED BRASS PIPE

Anaconda "85" Red Brass Pipe, in standard pipe sizes, is considered the highest quality corrosion-resistant pipe commercially obtainable at a moderate price and is the material preferred by many engineers for steam return lines.

Anaconda "85" Red Brass Pipe contains 85 percent copper and conforms to Government specifications for Grade "A" water pipe. The mark "Anaconda 85" is stamped in the metal at one-foot intervals throughout each length.

EVERDUR*

Everdur Metal is the original copper-silicon alloy group. It is manufactured by The American Brass Company in five standard compositions and in practically all commercial forms.

These high-strength engineering alloys are resistant to a wide range of corroding agents. Because of a versatile combination of useful properties, Everdur has become standard as a material for equipment in many fields of engineering and industry.

In addition to their non-rusting properties and high strength, Everdur alloys possess many qualities not usually found in metals of this character. They are unusually resistant to general atmospheric conditions and other normally corrosive factors. Everdur alloys have excellent machining and working characteristics and can be fabricated into a variety of forms and shapes. Everdur alloys are available for oxyacetylene, carbon-arc and inert-gas arc welding.

Everdur Tanks—Everdur copper-silicon alloy is an ideal material for durable, non-rusting water tanks of every description—from domestic range boilers to large storage heaters for hotels, laundries, hospitals, textile plants, schools or breweries.

Everdur is made in all commercial shapes, including annealed tank plates which have physical properties as given in *ASTM* Specification B96.

Minimum specification requirements for hot-rolled-and-annealed tank plates are: Tensile Strength, 50,000 psi.; Yield Strength (at 0.5 percent elongation under load) 18,000 psi.; Elongation, 40 percent in 2 inches.

Welds made with annealed Everdur tank plates meet the requirements for construction in the *ASME* Boiler and Pressure Vessel Code.

For additional data and names of fabricators address our nearest District Sales Office.

EVERDUR FOR AIR-CONDITIONING EQUIPMENT

Because of its strength and welding properties, Everdur may often be substituted for steel and fabricated by substantially the same methods, with much the same equipment as steel.

Everdur metal has been used with marked success for fans, blowers, ducts, humidifiers, cast and wrought parts of other equipment items subject to corrosive influences.

EVERDUR LITERATURE

Descriptive literature containing much pertinent tabular data will be sent on request.

* Trademark Reg. U. S. Pat. Off.

RESTRICTOR TUBE • FORMED TUBE PARTS • HARD COPPER TUBE CUT TO LENGTH • COPPER TUBE IN COILS AND STRAIGHT LENGTHS • PRE-FORMED RADIANT PAEEL GRIDS • FITTINGS FOR TYPES K AND L TUBES • VIBRATION ELIMINATORS • FLEXIBLE REFRIGERATION TUBING CONDUIT • DIE PRESSED FORGINGS • COPPER, BRASS, BRONZE IN SHEETS, WIRE, RODS, TUBES AND SPECIAL SHAPES