

The American Brass Company

General Offices—Waterbury, Conn.

Manufacturing Plants:

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PHILADELPHIA, PA., 117 South 17th St. CINCINNATI, OHIO, 101 West 4th St.

CANADIAN PLANT: ANACONDA AMERICAN BRASS LIMITED, New Toronto, Ontario

PRODUCTS—Anaconda Deoxidized Copper Tubes and Fittings; Anaconda "85" Red-Brass Pipe; Anaconda "67" Brass Pipe; Everdur Metal for storage heaters, storage tanks, ducts and air conditioning equipment



ANACONDA DEOXIDIZED COPPER TUBES

After studying performance records, The American Brass Company endorses Anaconda Copper Tubes, connected with solder fittings, in sizes up to 2 in. where conditions of pressure and heat are normal. Copper Tubes available in long lengths and coils may be bent for ordinary turns and offsets, offering obvious installation advantages. Anaconda Copper Tubes are drawn to the accurate size required for use with solder-type fittings.

Anaconda Copper Tubes are furnished in two wall thicknesses—Type "K" and "L." Type K, the heavier, conforms to U. S. Government Spec. No. WW-T-799

and A.S.T.M. Spec. No. B-88-33. Anaconda Type K Tubes are recommended for:

1. Underground water service lines.
2. Hot and cold water lines.
3. Sprinkler systems.
4. Low pressure steam lines.
5. Oil Burner suction and return lines.

Anaconda Type L Copper Tubes meet Government and A.S.T.M. Specifications for this class and are considered suitable for interior plumbing, although the heavier grade, Type K, is preferred. Data on the comparative wall thicknesses and weights are included in the accompanying table.

Lengths and Coils—Anaconda Deoxidized Copper Water Tubes in sizes up to and including 1 1/4 in. are furnished soft in 30, 45 and 60-foot coils; also hard or soft in 20-foot straight lengths. Sizes over 1 1/4 in. are furnished hard or soft over 20-ft. straight lengths.

Weights of Anaconda 67 Brass, 85 Red Brass and Copper Water Tubes

Nominal Size In.	Diameters—Inches						Wall Thickness Inches		Approx. Weights—Pounds per Foot						
	Copper Water Tubes						Copper Water Tubes		S.P.S. Pipe			Copper Water Tubes			
	S.P.S. Pipe		Type K		Type L		S.P.S. Pipe	Type K	Type L	67 Brass	85 Red Brass	Copper	Type K	Type L	
	Outside	Inside	Outside	Inside	Outside	Inside									
1/8	0.405	0.281	0.250	0.186	0.250	0.200	.0620	.0320	.0250	0.246	0.253	0.259	0.085	0.068	
1/4	0.540	0.375	0.375	0.311	0.375	0.315	.0825	.0320	.0300	0.437	0.450	0.460	0.134	0.126	
3/8	0.675	0.494	0.500	0.402	0.500	0.430	.0905	.0490	.0350	0.612	0.630	0.643	0.269	0.198	
1/2	0.840	0.625	0.625	0.527	0.625	0.545	.1075	.0490	.0400	0.911	0.938	0.957	0.344	0.284	
5/8	1.050	0.822	0.875	0.745	0.875	0.785	.1140	.0650	.0450	1.240	1.270	1.300	0.641	0.454	
3/4	1.315	1.062	1.125	0.995	1.125	1.025	.1265	.0650	.0500	1.740	1.790	1.830	0.839	0.653	
1	1.660	1.368	1.375	1.245	1.375	1.265	.1460	.0650	.0550	2.560	2.630	2.690	1.040	0.882	
1 1/8	1.900	1.600	1.625	1.481	1.625	1.505	.1500	.0720	.0600	3.040	3.130	3.200	1.360	1.140	
1 1/4	2.375	2.062	2.125	1.959	2.125	2.025	.1875	.095	.080	5.830	6.000	6.140	2.920	2.480	
1 1/2	2.875	2.500	2.625	2.435	2.625	2.465	.2190	.109	.090	8.310	8.560	8.750	4.000	3.330	
1 3/4	3.500	3.062	3.125	2.907	3.125	2.945	.2500	.120	.100	10.850	11.170	11.410	5.120	4.290	
2	4.000	3.500	3.625	3.385	3.625	3.425	.2500	.134	.110	12.290	12.660	12.940	6.510	5.380	
2 1/2	4.500	4.000	4.125	3.857	4.125	3.905									

Notes—S.P.S. Pipe available up to and including 12 in. Copper Water Tubes up to and including 8 in. Other seamless tubes up to 26 in. I.D.

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ANACONDA COPPER TUBE FITTINGS

A complete line of Anaconda Fittings, both solder and flared tube types, is available for the assembly of copper tubes. For size range of fittings, see accompanying table. All three following types of fittings are furnished in elbows, tees, couplings and unions, including a complete range of reduction and adapter combinations. Solder fittings are checked with maximum and minimum gages to insure accuracy and the close tolerance required for dependable solder connections.

Wrought Copper Solder Fittings—Provide copper to copper connections, are uniform in quality and free from porosity. Generous depth of cup and unusually high shoulder give well made joints an extra factor of safety.

Cast Bronze Solder Fittings—Are made of "steam bronze" alloy (85 per cent copper, 5 per cent zinc, 5 per cent tin and 5 per cent lead). All cast fittings are carefully gauged and checked by air pressure under water. Test joints (3/4 in.) withstood a straight pull of 7000-lb. at 70 F. and 1500 lb. at 210 F. At all temperatures between 70 and 210 F., test joints withstood internal pressure exceeding 2000 p.s.i.

Solder—That used in the foregoing tests was 95 per cent tin—5 per cent antimony—the alloy recommended for best all-around results. Melting point is 465 F.; cooling range is only 15 F. "Hard" solder is, of course, ideal, and where unusually high temperatures are encountered, it is recommended that a high strength, high melt point solder such as Sil-Fos be used (1300 F.).

Cast Bronze Flared Tube Fittings—Serving a definite need for assembling soft tubes in sprinkler systems, underground lines, etc., these fittings are also made of "steam bronze" alloy.

Anaconda Deoxidized Copper Tubes— Types "K" and "L".....	1/8 in. to 8 in. incl.
Anaconda Wrought Copper Solder Fittings.....	1/8 in. to 2 in. incl.
Anaconda Cast Bronze Solder Fittings.....	1/8 in. to 6 in. incl.
Anaconda Cast Bronze Solder Valves: Gate Valves.....	3/8 in. to 2 in. incl.
Globe and Stop and Drain Valves.....	1/8 in. to 1 in. incl.
Anaconda Cast Bronze Flared Tube Fittings.....	1/8 in. to 2 in. incl.

ANACONDA "85" RED-BRASS PIPE

Anaconda "85" Red-Brass Pipe is offered as the highest quality corrosion-resistant pipe commercially obtainable at

a moderate price and is recommended for use in localities where highly corrosive water conditions prevail. These waters may be relatively low in hardness, high in carbonic acid gas content and low in alkalinity.

Anaconda "85" Red-Brass Pipe contains 85 per cent copper and conforms to government specifications for Grade "A" water pipe. The words "Anaconda 85 Red-Brass" are stamped in the metal at intervals of one foot throughout each length.

ANACONDA "67" BRASS PIPE

Anaconda "67" Brass Pipe can be depended upon to give lasting service in all localities where normal water conditions prevail; that is where the water has a low permanent hardness and a fair degree of temporary hardness, is low in carbonic acid gas content and relatively high in alkalinity.

Anaconda "67" Brass Pipe contains 67 per cent copper and conforms to government specifications for Grade "B" water pipe. It can be identified by the numerals "67" following the name "Anaconda" stamped in the metal every 12 in. in each length.

***Everdur Tanks—**Nearly all copper, Everdur is a special non-rust alloy which combines the strength of medium carbon steel with ready weldability. It is an ideal material for durable, rustless water tanks of every description—from domestic range boilers to giant storage heaters for hotels, laundries, hospitals, textile plants, schools or breweries.

Everdur is made in all commercial shapes, including tank plates which meet the physical requirements of the A.S.T.M. Boiler Code, Flange Plate Specifications, and S.A.E. Specifications 1010 and 1015. For additional data, and names of fabricators, address our nearest office.

Everdur for Air Conditioning Equipment—Everdur Metal has been used with marked success for fans and blowers, ducts, humidifiers (air washers) and for various cast and wrought parts of other equipment items subject to corrosive influences.

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

"Everdur" is a registered trademark identifying products of The American Brass Company made from alloys of copper, silicon and other elements.