

Revere Copper and Brass Incorporated

Executive Office: 230 Park Avenue, New York City

MILLS—BALTIMORE, MD., TAUNTON, MASS., NEW BEDFORD, MASS.
ROME, N. Y., DETROIT, MICH., CHICAGO, ILL.

SALES OFFICES—BOSTON, MASS., PROVIDENCE, R. I., PHILADELPHIA, PA., ATLANTA, GA., NEW ORLEANS, LA., NEW YORK, N. Y., PITTSBURGH, PA., CLEVELAND, OHIO, CINCINNATI, OHIO, GRAND RAPIDS, MICH., MILWAUKEE, WISC., ST. LOUIS, MO., MINNEAPOLIS, MINN., DALLAS, TEXAS, SEATTLE, WASH., SAN FRANCISCO, CALIF., LOS ANGELES, CALIF.

REVERE COPPER WATER TUBE

Revere Copper Water Tube is recommended for heating lines, refrigerant lines, heat control lines and for other heating and ventilating piping. This tube is seamless, 99.9 per cent pure copper, completely deoxidized, with a gun-barrel finish inside.

It is furnished in three types known as "K," "L," and "M," which meet Government and A.S.T.M. specifications. In general the Type "K" is used where corrosive conditions are severe, and types "L" and "M" where these conditions are normal. For most heating work, Types "L" and "M" are satisfactory.

Types "K" and "L" are furnished in both hard and soft tempers; Type "M" in hard temper only. The hard temper is used for new and exposed work; the soft temper for hidden replacement work and where flexibility is essential.

(A 40 page hand book on Revere Copper Water Tube will be sent on request.)

Fittings—This tube is joined with Streamline soldered fittings or with any standard make of compression fittings. Thus, threading is eliminated and metal in S.P.S. pipe used only for cutting threads is saved. The wall thickness of Revere Copper Water Tube is uniform throughout and the joints are leak-proof, vibration-proof and stronger than the tube itself.

The Streamline fitting is so made that friction is reduced to a minimum.

Advantages of Revere Copper Water Tube—In brief these are as follows:

1. Revere Copper Water Tube has many installation advantages. With Streamline Fittings it can be installed in a minimum of space. The soft temper tube can be bent where needed, as for example, around spandrel beams. This saves installation time and eliminates fittings. Furring is greatly reduced. Joints may be easily disassembled.

2. Revere Copper Water Tube cannot rust, so that it is not necessary to install oversize pipe. It is recommended particularly for steam return lines where the greatest amount of corrosion takes place.

3. In forced circulation hot water heating systems, where small pipe sizes are used, Copper Water Tube can be installed at prices that are competitive with iron or

steel. The range of sizes is such that a balanced system can be designed using minimum pipe sizes.

4. In general pipe covering can be one size smaller with Copper Water Tube than for the same size I.P.S. pipe because of the smaller outside diameter of the tube. It can also be light in weight just heavy enough to prevent convection losses.

5. Because of its flexibility and the ingenuity with which Copper Water Tube can be joined with Streamline Soldered Fittings, this tube is recommended for all sorts of special hook-ups.

To Heating and Air Conditioning Manufacturers—Revere Engineers are anxious to cooperate with manufacturers of heating and air conditioning equipment and to make recommendations with reference to the use of non-ferrous products.

Revere Copper Water Tube STANDARD DIMENSIONS AND WEIGHTS

Size in in.	TYPE K			TYPE L			TYPE M		
	O.D. in	Wall Thick-ness in.	Wt. Lbs. per Ft.	Wt. Lbs. per Ft.	Wt. Lbs. per Ft.	Wt. Lbs. per Ft.	Wt. Lbs. per Ft.	Wt. Lbs. per Ft.	Wt. Lbs. per Ft.
3/8	.500	.049	.269	.035	.198	.025	.144		
1/2	.625	.049	.344	.040	.285	.028	.203		
5/8	.750	.049	.418	.042	.362				
3/4	.875	.065	.641	.045	.455	.032	.328		
1	1.125	.065	.839	.050	.655	.035	.464		
1 1/8	1.375	.065	1.040	.055	.884	.042	.681		
1 1/4	1.625	.072	1.360	.060	1.140	.049	.940		
2	2.125	.083	2.060	.070	1.750	.058	1.460		
2 1/2	2.625	.095	2.920	.080	2.480	.065	2.030		
3	3.125	.109	4.000	.090	3.330	.072	2.680		
3 1/2	3.625	.120	5.120	.100	4.290	.083	3.580		
4	4.125	.134	6.510	.110	5.380	.095	4.660		
5	5.125	.160	9.670	.125	7.610	.109	6.660		
6	6.125	.192	13.870	.140	10.200	.122	8.910		
8	8.125	.271	25.900	.200	19.290	.170	16.460		

Recommended Operating Pressures

Type K—Hard Temper	up to 400 pounds
Type K—Soft Temper	up to 250 pounds
Type L—Hard Temper	up to 250 pounds
Type L—Soft Temper	up to 150 pounds
Type M—Hard Temper	up to 250 pounds

Temper and Lengths

Type K—Hard and Soft Temper in straight 20 ft lengths	
Type L—Soft Temper in 30 ft, 45 ft, and 60 ft coils.	
Type M—Hard Temper in straight 20 ft lengths.	

Wolverine Tube Company

SEAMLESS COPPER, BRASS AND ALUMINUM

Main Office and Mill: 1411 Central Avenue, Detroit, Mich.

NEW YORK OFFICE: 420 Lexington Avenue

Sales Offices

ATLANTA, GA.	411 Georgia Savings Bank Bldg.	NEWARK, N. J.	965 Broad St.
BALTIMORE, MD.	308 Hearst Tower Bldg.	PHILADELPHIA, PA.	231 North 12th St.
BOSTON (CHARLESTOWN), MASS.	410 Rutherford Ave.	PITTSBURGH, PA.	1228 Brighton Rd., N.S.
BUFFALO, N. Y.	Court and Wilkeson	PORTLAND, ORE.	524 N. W. 14th Ave.
CHICAGO, ILL.	129 S. Jefferson St.	RICHMOND, VA.	Mutual Bldg.
CLEVELAND, OHIO	1740 East 12th St.	ST. LOUIS, MO.	4067 Park Ave.
DALLAS, TEXAS	1916 Young St.	SAN FRANCISCO, CALIF.	7 Front St.
DATON, OHIO	Route No. 9	SEATTLE, WASH.	1005 E. Pike St.
DENVER, COLO.	1210 California St.	WASHINGTON, D. C.	1108 16th St.
LONG ISLAND CITY, N. Y.	23-10 44th Road	TORONTO, ONT.	20 Beverley St.
LOS ANGELES, CALIF.	1015 East 16th St.	WINNIPEG, MAN.	80 Lombard St.
LOUISVILLE, KY.	429 W. Main St.		
MILWAUKEE, WIS.	647 W. Virginia St.		
MINNEAPOLIS, MINN.	529 S. Seventh St.		

EXPORT: H. M. ROBINS Co., 120 Madison Ave., Detroit, U. S. A.

DEOXIDIZED COPPER WATER TUBE

Copper with a purity of not less than 99.9 per cent is used in the manufacture of Wolverine Copper Water Tubing. The use of pure copper and the extreme care followed in the process of manufacture accounts for the uniformity in quality, the resistance to corrosion, and the widespread use of Wolverine Copper Water Tubing.

The mirror-like inside surface refuses to collect scale or sediment. The ductility of Wolverine Copper Water Tubing permits repeated freezing before it will burst. The ease of installation when using Wolverine Copper Water Tubing with compression or sweat fittings is due to the close tolerances to which the tube is held.

Resistance to rust and corrosion permits the use of smaller lines when Wolverine Copper Water Tubing is specified instead of metals that rust.

Wolverine Deoxidized Copper Water Tubing is made to U. S. Government WW-T-799 and A.S.T.M. B 88-33 Specifications under the regular types K, L, and M.

Government Type K, A.S.T.M. Class K

Recommended for Air Conditioning, Refrigeration, Oil Burner, and Plumbing and Heating installations. Also for Gas, Steam, Oil Lines, and industrial uses and where water conditions are severe.

Wolverine Type K for Air Conditioning and Refrigeration fits any standard sweat fitting on the market.

Sizes up to 2 in. approved by Underwriters' Laboratory.

Furnished in hard or soft temper in straight 20 ft lengths; soft temper in 30, 45 and 60 ft coils.

Government Type L, A.S.T.M. Class L

For Oil Burner, Air Conditioning, Refrigeration, and general plumbing uses. Suitable for normal water conditions.

Furnished in hard or soft temper in straight 20 ft lengths; soft temper in 30, 45 and 60 ft coils.

Government Type M, A.S.T.M. Class M

Suitable for Air Conditioning and Refrigeration installations and for interior plumbing and heating purposes.

Furnished in hard temper in straight 20 ft lengths only.

For use with soldered fittings only.

FABRICATED TUBING

Wolverine offers a complete and competent fabrication service for tube parts. This includes bending, flaring, swaging, brazing, etc. Every operation is held rigidly to size and specification.

DEHYDRATED REFRIGERATION TUBING

Wolverine Dehydrated Soft Copper Refrigeration Tubing is guaranteed to meet A.S.T.M. Specification B 68-33. The ends of each coil of Dehydrated Refrigeration Tubing are solder-sealed and crimped in the form of Wolverine "W."

Wolverine Refrigeration Tubing, in securely wrapped coils, is now available. This spiral crepe paper wrapping protects the coil against atmospheric contact, dirt and other foreign matter. It keeps the tubing absolutely clean until ready for use and it gives the service man a compact package to save room in his kit.

Your local refrigeration jobber can supply you with any quantity or size of Wolverine Tubing. Large stocks carried in the mill at all times for prompt shipment.