between fin and tubes. Headers are made of one-piece cast bronze and casings of heavy galvanized iron or copper.

Units tested to 1000 lb hydrostatic pressure.

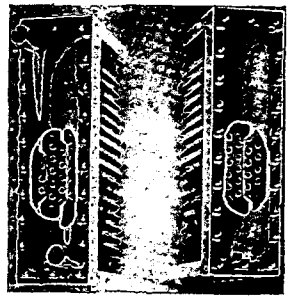


Fig. 8

Aerofin Cleanable Tube Units (Fig. 8) for cooling only and all made with headers removable to permit cleaning out tubes. Recommended for use where sediment or scale forming chemicals are present in the cooling water.

Headers—Cast iron.
Tubing—Copper or admiralty.
Casings—Copper or galvanized iron.

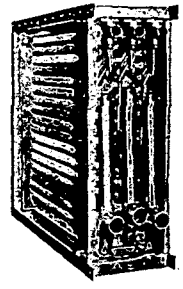


Fig. 9
End plate removed showing distributing and suction headers.

Aerofin Direct Expansion Units: (Fig. 9) Row Control Type—Recommended for use where cutting on or off rows of tubes in direction of air flow is desired. Suitable for use with Freon or Methyl-Chloride.

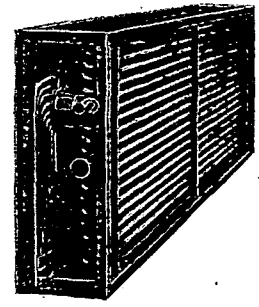


Fig. 10

Aerofin Direct Expansion Units: (Fig. 10) Centrifugal Header Type—Recommended where control of rows in direction of air flow is not required.

Advantages: Weighs but 9 to 16 per cent of same equivalent cast iron surface and occupies one-third of the space. Eliminates expensive foundations and building re-inforcement. Can be suspended from roof beams or trusses if necessary.

AEROFIN Sizes

Flexitube: 13 standard lengths, three widths, one and two rows deep.

Narrow: same as Flexitube.

Universal: 17 standard lengths, two widths, one and two rows deep.

Continuous Tube: 13 standard lengths, three widths, 2-3-4-5-and 6 rows deep.

Cleanable Tube: 17 standard lengths, one width, 2 and 4 rows deep.

Direct Expansion: Row Control—11 standard lengths, 3 widths, 1-2-3 rows deep. Face Control—11 standard lengths, 3 widths, 2-3-4-5-6 rows deep. Centrifugal Header—11 standard lengths, three widths, 2-3-4-5-6 rows deep.

Steel Supporting Legs: 18 in. and 24 in. high. Punched same bolt hole centers as standard casings. Quickly attached. No other foundation required.

Sale: AEROFIN is sold only by manufacturers of nationally advertised Fan System Apparatus. List upon request.

Write Syracuse for Heating Bulletin G-32; Direct Expansion Bulletin DE-34 on refrigeration type units; Continuous Tube Bulletin C. T. 34 for Water Cooling Coils; or phamplet on Cleanable Type AEROFIN for cooling.

The G & O Manufacturing Company

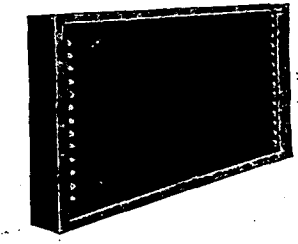
138 Winchester Avenue **New Haven, Connecticut**

G&O

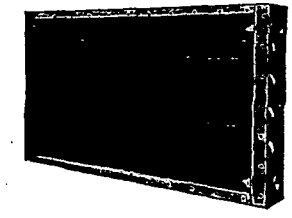
SQUARE FIN TUBING
STRAIGHT LENGTHS—U-BENDS—CONTINUOUS COILS

RADIATING ELEMENTS FOR ALL HEAT TRANSFER PURPOSES

G&O Finned Radiation Coils for industrial applications are available in a wide range of sizes.



Universal U-102



Standard No. 10

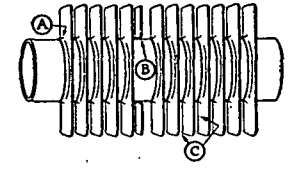
Send for Catalog and Price List

THE use of INDIVIDUAL fins results in high efficiency in heat transfer from primary tube surface to secondary fin surface.

Fins of any size or shape may be obtained giving any desired proportion of primary and secondary surface.

A square fin has about 30 per cent greater surface than a round fin of a diameter equal to one side of the square.

Individual fins permit of any fin spacing; also, of using fins in groups at intervals along tubes.



A—Generous Fin Collar provides large contact area between Tube and Fin.
B—Tube expanded against Fin Collar; insures mechanically tight joint, made permanent by bond of high temperature alloy—complete thermal contact.
C—Free air-flow passages; non-clogging.

STANDARD SIZES

O.D. of Tube	Fin Size	Fin Spacing per Inch	Surface per Linear Foot
⅜"	⅞" sq.	6	0.80 sq. ft.
⅜"	⅞" r'd.	6	0.60 sq. ft.
¾"	1½" r'd.	6	1.55 sq. ft.
¾"	1⅜" sq.		2.40 sq. ft.
1"	2⅛" sq.	6	4.00 sq. ft.