

Fig. 7

Aerofin Continuous Tube Water Coils (Fig. 7) are designed for air cooling by circulating cold water through the AEROFIN and air over extended fin surface. Made for either horizontal or vertical air flow.

Tubes and fins are copper, completely tinned with permanent metallic bond between fin and tubes. Headers are made of steel and casings of heavy galvanized iron or copper.

Tested to 100 lb steam, followed by 450 lb air with coil submerged in water.

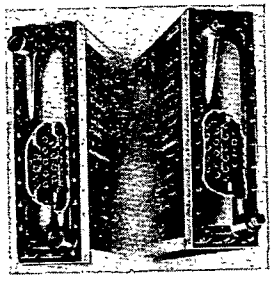


Fig. 8

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

Headers—Fabricated steel.
Tubing—Copper or admiralty.
Casings—Copper or galvanized iron.

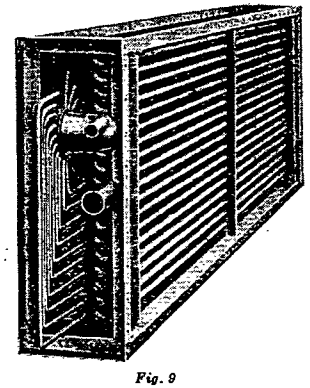


Fig. 9

Aerofin Direct Expansion Units: (Fig. 9) Centrifugal Header Type—For cooling air, using Freon expanded directly into the coil.

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: 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 H-45; Direct Expansion Bulletin DE-48-1 on refrigeration type units; Continuous Tube Bulletin C. T. 39-2 for Water Cooling Coils; or pamphlet on Cleanable Type Aerofin for cooling.

The G & O Manufacturing Company

138 Winchester Avenue — New Haven, Connecticut

G&O

SQUARE FIN TUBING

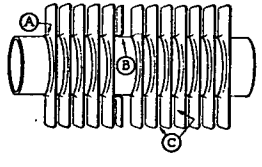
STRAIGHT LENGTHS—U-BENDS—CONTINUOUS COILS

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.



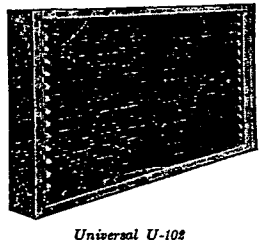
A—Generous Fin Collar provides large contact area between Tube and Fin.
B—Tube expanded against Fin Collar; insures mechanically tight joint, made permanent by bond of high temperature alloy—complete thermal contact.
C—Free air-flow passages; non-clogging.

STANDARD SIZES

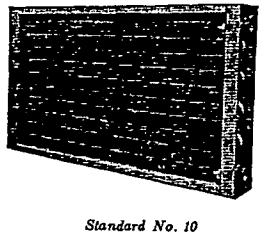
O.D. of Tube	Fin Size	Fin Spacing per Inch	Surface per Linear Foot
⅜″	⅜″ sq.	6	0.80 sq. ft.
⅜″	⅜″ r'd.	6	0.60 sq. ft.
⅝″	1⅛″ r'd.	6	0.87 sq. ft.
¾″	1¼″ r'd.	6	1.55 sq. ft.
¾″	1⅝″ sq.	6	2.40 sq. ft.
1″	2⅛″ sq.	6	4.00 sq. ft.
1⅜″	2⅜″ r'd.	4	2.33 sq. ft.

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