

# AEROFIN CORPORATION

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## AEROFIN

Standardized Light-weight Heat Exchange Surface

Branch Offices

CLEVELAND, CHICAGO, NEW YORK, PHILADELPHIA, DETROIT, DALLAS, TORONTO

**Aerofin** is the modern Standardized Light-Weight Encased Fan System Heating and Cooling Surface originated by *Fan Engineers* to meet the present and future requirements of this highly specialized field. All Standard AEROFIN Units are furnished as completely encased Units, ready for pipe and duct connections. The patented casings are built of pressed steel and are exceptionally strong and rigid, protecting the Unit from all the strains of pipe connections and expansion or contraction in service. The casings are flanged on both faces, top and bottom, and template punched for bolting together adjacent Units, or for duct connection.

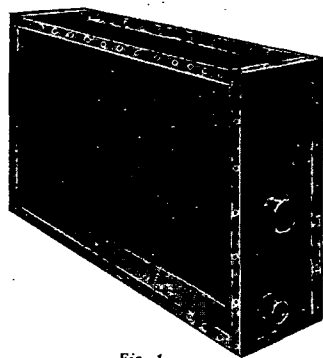


Fig. 1

**Aerofin Non-freeze heater** (Fig. 1) is non-freeze, non-stratifying spiral fin coil built into casing for air conditioning units

or for installing in ducts. May be installed horizontally or vertically. Used on any two-pipe steam system for preheating or reheating. Modulating control on preheaters.

Available in 13 lengths and 3 widths, from net face area of 2.76 sq ft to 26.28 sq ft.

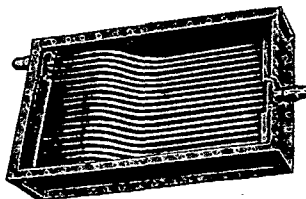


Fig. 2

**Flexitube Aerofin** (Fig. 2) is distinguished from all other developments by its off-set tubes, so arranged as to absorb all expansion and contraction strains.

Headers—Steel.

Tubing— $\frac{3}{8}$  in. O.D. copper, admiralty or aluminum.

Joints—Where admiralty or copper tubes are used together with bronze or steel headers tubes are brazed to headers. Where both aluminum tubes and headers are used tubing is welded to headers.

Casings—Copper, aluminum or galvanized iron.

Design—Constructed with headers on opposite ends making possible installation of units with tubes horizontal or vertical.

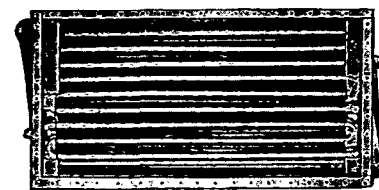


Fig. 3

**Universal Aerofin** (Fig. 3) is distinguished by its "S" bend construction of tubing, units designed with steel headers on opposite ends, the ends of the "S" bends being connected thereto by compression nuts, the bends taking care of the expansion and contraction of the tubing. Recommended where close control is desired.

Headers—Pressed steel.

Tubing—1 in. O.D. copper or admiralty.

Casings—Copper, aluminum or galvanized iron.

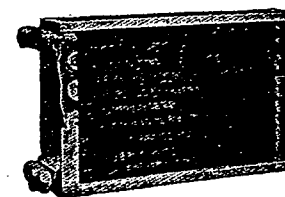


Fig. 4

**Aerofin Heavy-Duty Industrial Heating Coil** for use where extra-rugged coil is needed for close control. Steam pressures from 25 to 350 lb gauge; temperatures to 500 F.

Headers—Pressed steel.

Tubing—1 in. O. D. heavy copper.

Casings—12-gauge galvanized iron.

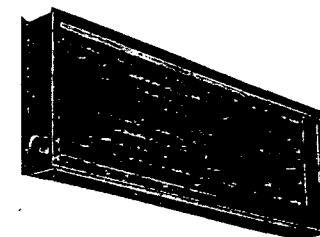


Fig. 5

**Booster Aerofin**—straight tube type, single pass construction for pressures from 1 to 200 lb gauge.

Headers—steel.

Tubing— $\frac{3}{8}$  in. O.D. copper.

Casings—copper, aluminum or galvanized iron. Recommended where small coils are needed or to raise the air temperatures in branch ducts.

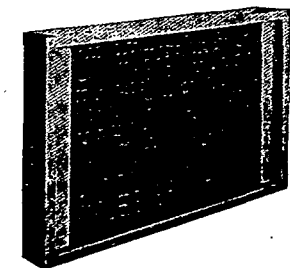


Fig. 6

**Narrow Width Aerofin:** (Fig. 6) recommended for water cooling or for flooded Freon systems. Made in straight tubes only with headers on opposite ends, joints between headers and tubing being brazed. Construction similar to Flexitube AEROFIN.