



Bessemer Bldg., Pittsburgh 22, Pa.
Plant: Zelienople, Pa.

COOLING TOWERS

COMMERCIAL • INDUSTRIAL

RESIDENTIAL • TAKE-APART

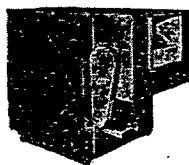
CENTRIFUGAL

Halstead & Mitchell cooling towers are available for all air-conditioning and refrigeration systems and industrial water-cooling applications. Exclusive use of pressure-creosoted wood for the wetted deck surface makes possible a 20-Year Guarantee against rotting or damage due to fungus attack on all towers. For protection against corrosion, three special paints, Vinsynite, Vinyl Zinc, and chlorinated rubber, are applied hydraulically to force protection into every corner. Bearings are permanently lubricated, eliminating maintenance, and bolts are Everdur for easy disassembly even after years of operation.



COMMERCIAL-INDUSTRIAL COOLING TOWERS (TYPES EC, WT, CT). EC and WT Towers are made of 14-gage steel and CT Cooling Towers of 10-gage. Four-bladed, deep-pitched fans for quiet operation. Capacities are 5 through 100 ton.

RESIDENTIAL COOLING TOWER (TYPES ECD, RE). Residential Cooling Towers incorporate all major features found in larger cooling towers. Deep pitch, 4-bladed fans insure quiet, efficient operation. Fans are direct-driven by fan motor contained within the cabinet.



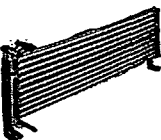
TAKE-APART COOLING TOWER (TYPES ECK, K, KB). These cooling towers can be taken apart for installation in difficult places. All of the important long life advantages have been built into the Take-Aparts. Available with propeller or centrifugal fans. Capacities are 5 through 100 ton.

CENTRIFUGAL FAN COOLING TOWER (TYPES WB and KB). Halstead & Mitchell's Centrifugal Fan Cooling Towers for all inside applications meet municipal decibel codes. Centrifugal fans are for use with ductwork installations. Capacities are 5 through 25 ton.

WATER-COOLED CONDENSERS

HEAVY-DUTY (TYPE T). Designed with an exceptionally favorable fouling factor, built for use in areas where water conditions are bad. $\frac{1}{2}$ through 25 ton.

STANDARD DUTY (TYPE EL). Low-cost, easy-to-install, made with extended-surface water tubes. Readily combined with standard air-cooled condensers. $\frac{1}{2}$ through 3 ton.



**DOUBLE-TUBE
COUNTER-FLOW
CLEANABLE**

REPLACEMENT CONDENSERS (TYPE R). Designed as shorter, higher condensers for replacement in package air conditioners. Cleanable units, they also give added heat transfer provided by double-tube counter-flow design. $\frac{1}{2}$ through 10 ton.

SEA-WATER CONDENSERS (TYPE SW). Made with cupro-nickel water tubes and naval brass headers for resistance to sea-water or other impure water conditions. Above 3 ton in size they provide up to 50 per cent more heat transfer surface than do fresh-water condensers. $\frac{1}{2}$ through 25 ton.

WRITE FOR MORE INFORMATION

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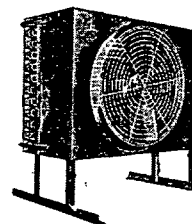
AIR-COOLED

CONDENSERS

COMMERCIAL • INDUSTRIAL

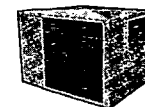
RESIDENTIAL

Halstead & Mitchell Air-Cooled Condensers are excellent for use with "waterless" air-conditioning and refrigeration systems. Extra-large coils and exclusive Turbu-Flo® fins add more coil surface and increase heat transfer by up to 15 percent. Embossed fins create better "air wash," reducing air film resistance and improving efficiency. Wide fin spacing prevents clogging and assures low maintenance costs. Designed for use with Refrigerants 12 or 22.



REMOTE CONDENSERS (TYPE AC). Available in 12 models for use with commercial or industrial systems. Featuring wide-spaced, Turbu-Flo fins, units are encased in rattle-proof, weatherproofed casing. Bottom section is of 10-gage steel; sides and top of 14-gage. Four-bladed, deep pitched fans run at slow speed for quiet operation. Two smallest sizes are direct-connected; larger sizes are belt-driven. Manifolding design simplifies multiple circuiting in the field. Standard arrangement is for floor mounting. Ceiling mounted available on request.

RESIDENTIAL CONDENSERS (TYPE ACR). Attractive Type ACR units are specifically designed for quiet operation as well as high capacity. Centrifugal fan and over-sized Turbu-Flo finned-surface coils are standard. Available space in weatherproofed cabinet permits installation of a compressor, receiver and controls to make a complete high side unit. Available in 2, 3 and 5 ton capacities.



FINNED COILS

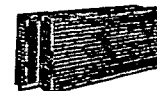
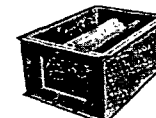
**DIRECT EXPANSION
WATER • STEAM**

Halstead & Mitchell coils all feature exclusive Turbu-Flo® fins. The embossed pattern adds rigidity to the fin as well as additional surface. Streamlined design creates better "air wash," lowering air film resistance and improving heat transfer; yet friction is at a minimum. Turbu-Flo fins are made of aluminum (available in copper) with die-formed collars for uniform spacing. Fins are mechanically bonded to seamless $\frac{3}{8}$ in. ID copper tubing. All casings are of heavy-gage steel fully protected against corrosion, or heavy gage aluminum.

DIRECT EXPANSION COILS. Furnished complete with distributor and standard sweat connections for any make thermostatic expansion valve. Equalizer connections supplied on all coils. Standard coils, 2 through 10 ton, carried in stock. Other capacities on request.

WATER COILS (Cold or Hot Water). Available with wide selection of face areas and coil depths. Designed for minimum water pressure drop.

STEAM COILS (Standard or Non-Freeze). Wide range of matching sizes. Steam and condensate headers for standard coils are made of hard drawn copper; and for Non-Freeze Coils of steel. All steam coils are recommended for pressures up to 25 psi.



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