

CURTIS MANUFACTURING COMPANY

AIR CONDITIONING—REFRIGERATION DIVISION

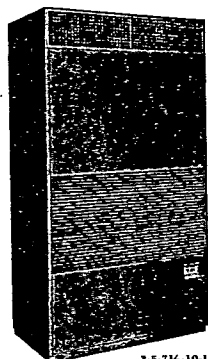
St. Louis, Missouri 63133 U.S.A.

Curtis

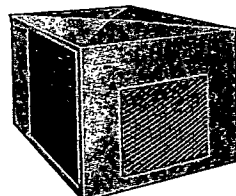
the Complete Line of

AIR CONDITIONING AND REFRIGERATION EQUIPMENT

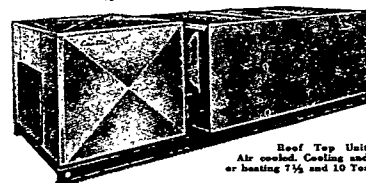
INDUSTRIAL • COMMERCIAL • RESIDENTIAL



3-5-7½-10-15
and 20 Ton Packaged Air
Conditioners



Air Cooled Condensing
Units 7½ and 10 Tons

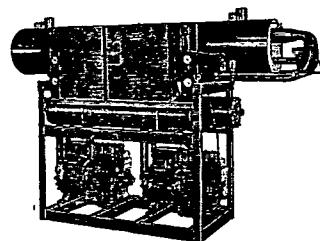


Roof Top Units.
Air cooled. Cooling and/
or heating 7½ and 10 Tons

Curtis offers a complete line of condensing units, liquid chillers, roof top air conditioning units and packaged air conditioners for all applications. With Curtis equipment, you are assured of dependable performance at rated capacities. Each piece of equipment is factory engineered, assembled, and tested to reduce installation time and maintenance. For high quality units at competitive prices, remember you can count on Curtis.

For further information, consult your
yellow pages or write:

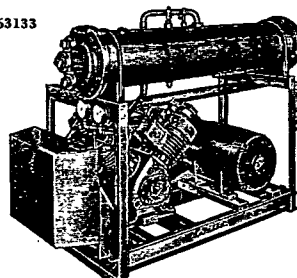
CURTIS MANUFACTURING COMPANY
Air Conditioning—Refrigeration Division
1905 Kienlen Avenue • St. Louis, Mo. 63133



7½ through 150 Ton Packaged Liquid Chillers



Air Cooled Condensers
7½ thru 120 Tons



Shell and Tube
Condensing
and Compressor Units
from 7½ thru
100 Tons

Look to the Future with Curtis

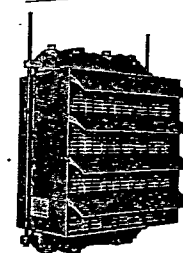
D. J. MURRAY MANUFACTURING CO.

Wausau, Wisconsin

Manufacturers of GRID Cast Iron Steam Heat Transfer
Surface Equipment for Industry . . . Since 1883

GRID UNIT HEATERS

It's the material that makes the difference.

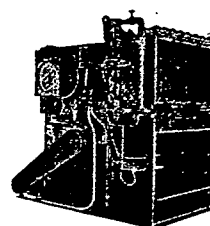


The heat transfer element of GRID Unit Heaters, Blast Heaters and Radiators is a high tensile strength cast iron casting with radiation fins cast in one piece to the steam chamber. The one-piece finned section assures constant heat transfer. Each finned section is thoroughly tested to insure against leaking. Fin Sections going into service of 160 to 250 P.S.I. are stress relieved before assembly into finished units. The spacing of the individual fins throughout the length of the fin section has been carefully determined to provide ample heat transfer and still provide a clean, unobstructed air passage through the section.

The wide fin spacing prevents clogging and permits easy cleaning. Because each individual fin is strong and cast as an integral part of the steam chamber, GRID units can be cleaned without damage to the heating surface.

GRID all cast iron condenser provides the answer to unit heater problems general industry has discovered through common failures of copper, aluminum and steel tube heat transfer surface. Grid condenser eliminates internal electrolytic corrosion because all metals in contact with steam are similar. It also eliminates external corrosion because the cast iron construction resists acid fumes in the air and eliminates use of reducing valves where high steam pressure is used. GRID cast iron construction is tested to withstand steam pressure up to 250 P.S.I. It eliminates the high maintenance costs generally experienced with other types of condenser construction. It eliminates replacement costs because GRID is built to last for years . . . uninterrupted service records of more than twenty-five years are common among GRID users in industry.

SPECIALLY DESIGNED UNITS FOR GENERAL PLANT PROCESS WORK AND COMFORT HEATING



Grid dryer unit
with automatic
recording
temperature
and humidity
control.

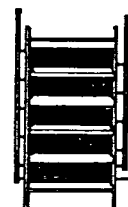
GRID DOWN BLOW UNIT HEATERS



With the same one piece construction high test cast iron heating sections as the standard GRID Unit Heaters, GRID Down-Blow or Vertical Unit Heaters differ only from standard units in the arrangement of manifolds, special hanger supports, heavier flanged casing, provision of motor well or deflector between fan and motor to protect motor from excessive heat rising from the unit when fan is not in operation . . . manufactured in models without outlet (as illustrated), and with various outlet arrangements for 1, 2, 3, or 4 way discharge directions. Complete information in separate section of GRID Product Catalog upon request.

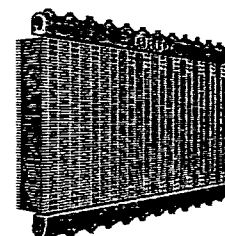


Air tempering
unit . . . with
motor operated
dampers.



GRID Blast sections
adapted as
heat exchangers.

GRID BLAST HEATERS



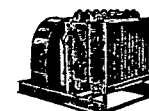
A rugged, strong, enduring, economical heat transfer surface describes GRID Blast Heaters, designed for the tough job . . . for low and high pressures . . . resistant to corrosive elements in the atmosphere. With the same one-piece all cast iron condenser construction as GRID Unit Heaters, GRID Blast Heaters are designed to withstand operating steam pressures of 250 P.S.I. GRID Blast Heaters require less labor for installation than other forms of cast iron heating surfaces. They require less cubical space . . . eliminate maintenance costs and save on fan horse power. GRID Blast Heaters, constructed in the same manner as GRID Unit Heaters, have, during years of continuous operation on high steam pressures, definitely proven to be long lived and free from maintenance. In places where the air is contaminated with corrosive fumes, GRID Blast Heaters have replaced other types of heating surface. The Grid open design makes possible easy cleaning. Nothing in the air such as dust, lint, fumes, etc., can retard their operation. GRID Blast Heaters are ideal for installation where outside air is brought into the building.

CORROSION—inside and out—causes heating equipment failures but not when you use GRID cast iron construction unit heaters . . . Blast heaters . . . radiators.

GRID RADIATORS



Various combinations with or without Grill covers. For use in confined areas where motorized units are not desirable. For low or high pressures to 250 P.S.I.



High velocity, high temperature GRID Blast Heaters.

Send for the complete story on GRID UNIT HEATERS, GRID BLAST HEATERS, and GRID Radiators for general plant use . . . ask for GRID Product catalog #956.