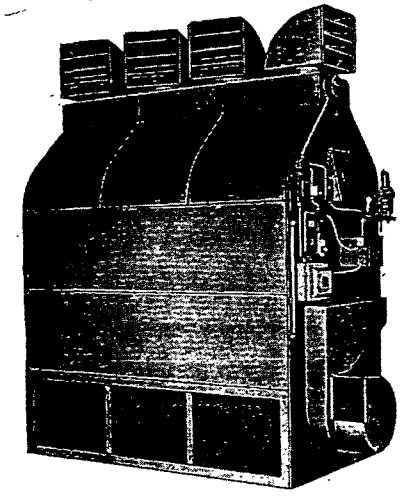
DRAVO CORPORATION

HEATER DEPARTMENT

Dravo Bldg., 300 Penn Avenue, PITTSBURGH 22, PA.

Sales Offices in Principal Cities



View of standard model as used for gas or oil or gas and oil in combination. Combustion chamber is lined with plastic refractory material at factory, shipped ready for use. Fins, deflectors and corrugation increase heat transfer surface, economizer tubes reduce the temperature of flue gases. Entire design job tested and proved for highest efficiency.

Permanent savings in fuel consumption, cost of maintenance and cost of labor in operation are factors influencing favorable acceptance of Dravo Heaters.

Conditions often demand speed of installation and curtailment in the use of critical materials. Dravo Heaters are shipped with refractory and firewall in place, are installed by simply connecting to fuel and power supply and providing foundation breeching and vent stack, and their construction represents a saving in critical metals of 30 to 40 per cent over conventional steam plants with distributing systems.

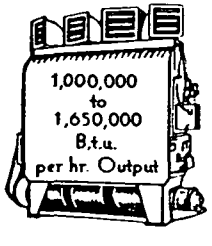
Each heater is complete and operated individually. A heating system for any size structure may be formed with a combination of one or more heaters. Dravo Direct-Fired Heating Systems save man-hours, money, transportation—all essential to the war effort.

Dravo Direct-Fired Heaters are used for permanent installation and also often used to supply temporary heat in new construction or plant expansion.

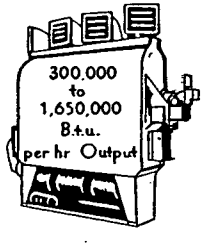
The exceptionally high heat transfer efficiency is the result of two fundamental design features—first, accurately controlled combustion of fuel and air, and second, highly effective transfer of heat to air. Standard stock sizes are obtainable ranging from production of 300,000 to 4,000,000 Btu output per hour. Dravo Bulletin No. 509-A with detailed description mailed on request.

Specification Data Sheets for any type or capacity are furnished on request.

GAS-OIL COMBINATION . . . Floor Set . . . Top Discharge . . . Front Fired . . . Standard V-Belt Drive—This series of heaters is equipped to burn either Heavy or Light oil with alternate gas burner. Equipment consists of a complete, separate burner for each fuel, each burner having a complete set of controls. The controls and wiring are so arranged that either burner can be put into operation by simply throwing a switch, and valves.

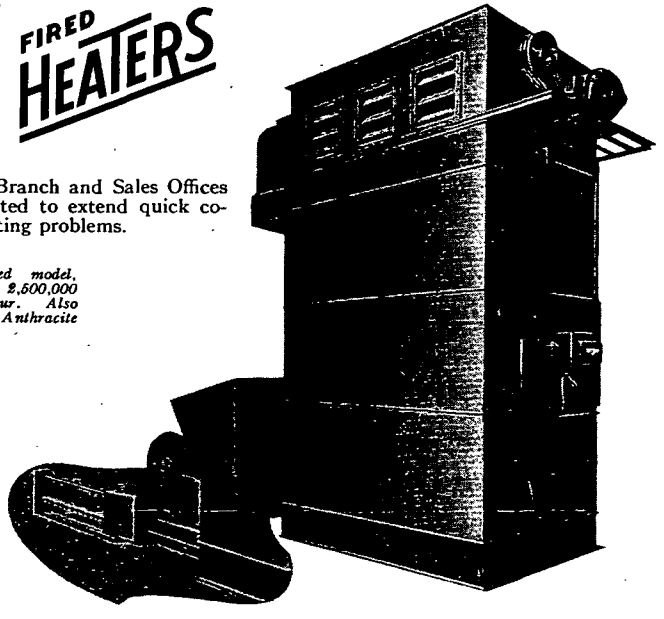


GAS . . . Floor Set . . . Top Discharge . . . Front Fired . . . Standard V-Belt Drive—This series as well as all others is designed to deliver the maximum output per square foot of floor space occupied. Because of their unique design they fit into the heated space and are dependable and efficient. They readily lend themselves to a wide variety of applications, using either natural or manufactured gas.



DRAVO DIRECT FIRED HEATERS

There are 47 Branch and Sales Offices strategically located to extend quick co-operation on heating problems.



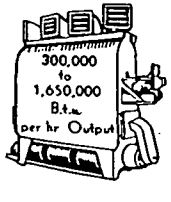
Right. Hopper feed model, capacities 750,000 to 2,500,000 Btu output per hour. Also available for bin-feed, Anthracite or Bituminous coal.

COAL FIRED SERIES—the Dravo coal-fired, self-contained Heater is particularly adaptable in areas where coal is the cheapest or easiest fuel to obtain. Coal fired heaters may be converted to either gas or oil firing should conditions change. The entire series of Dravo Direct-Fired Heaters has the utmost flexibility. Enough applications, combinations, and adaptations are available to meet any set of reasonable conditions. The same unique principle of welded combustion chamber is employed. The entire series has the DRAVO non-clinkering air-cooled setting incorporated in the design. Available for either bituminous, anthracite or lignite coal; equipped with either hopper feed or bin-feed stoker, installed under either end of the heater. Other series also available 300,000 through 650,000 and 2,750,000 through 10,000,000 Btu per hour output.

Overhead or underground duct systems may be used for air distribution.

Specification Data Sheets for any type or capacity are furnished on request.

OIL, Floor Set, Top Discharge, Front Fired Standard V-Belt Drive—This series obtainable in light oil or heavy oil fired models in all Dravo Direct-Fired Heaters. Economy of fuel consumption is the result of careful overall designing and constant improvement over many years. In summer they may be used for air circulation.



heating analysis . . .



How much would an installation cost?

We have a form called "Dravo Building Survey" that we furnish free on request. You give us the vital statistics on this form and we'll do the rest. Write for your copy.