Dravo Corporation
Heating Department

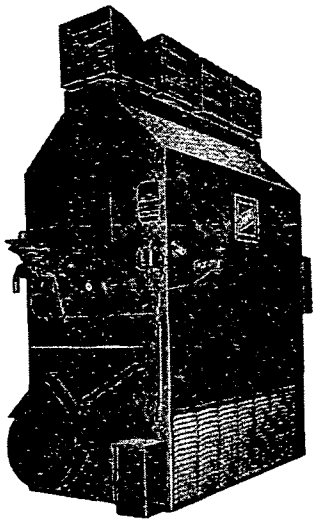
Dravo Building, Fifth & Liberty Avenues,
Pittsburgh 22, Penna.

ATLANTA, BOSTON, CHICAGO, CINCINNATI, CLEVELAND, DETROIT, INDIANAPOLIS, NEW YORK, PHILADELPHIA, PITTSBURGH, ST. LOUIS, WASHINGTON

Sales Representatives in Principal Cities

DRAVO *Counterflo* SPACE HEATERS

400,000 to 2,000,000 Btu/hr output



- **ECONOMICAL**—Low initial cost—30–60 percent less than standard wet-type equipment to install. 80–85 per cent efficient at bonnet . . . burns gas or oil, readily convertible from one to the other.
- **EASY INSTALLATION**—Just hook up fuel, electric and exhaust connections—no ductwork required.
- **STAINLESS STEEL COMBUSTION CHAMBER**—Rugged mill-type construction . . . top quality engineering. Exhaust whirl-cooled through two sets of economizer tubes.
- **SAFETY-TESTED**—Approved by *A.G.A.* and listed by *Underwriter's Laboratories, Inc.* Dravo Safety Control Circuit is accepted by *Factory Mutual Engineering Division* and *Factory Insurance Association.*

Dravo *Counterflo* Space Heaters in addition to comfort heating are easily adapted to heat curing and process drying, tempering of replacement air and summertime ventilation. Dravo *Counterflo* Space Heaters can also be tied in with air conditioning systems.

COUNTERFLO

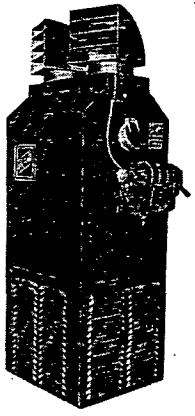
Htr. No.	Output Btu/hr	CFM at 70°F	Temp. Rise	Efficiency	Fan Mtr. hp	Nozzles	Approx. Shpg. Wt.	Dimensions L	W	H
40	400,000	4500	82°	80%	1½	3	1500	4′11″	2′7″	7′0″
50	500,000	5500	84°	80%	2	3	1600	4′11″	2′7″	7′0″
75	750,000	8500	82°	80%	3	4	2600	7′3″	3′8″	8′8″
100	1,000,000	11,000	84°	80%	5	4	2700	7′3″	3′8″	8′8″
125	1,250,000	14,000	83°	80%	7½	4	3600	8′11″	4′3″	9′8″
150	1,500,000	17,000	82°	80%	10	4	3800	8′11″	4′3″	9′8″
175	1,750,000	19,000	85°	80%	15	4	4300	9′5″	4′9″	10′11″
200	2,000,000	22,000	84°	80%	20	4	4500	9′5″	4′9″	10′11″

PARAFLO

20	200,000	2200	84°	80%	½	2	710	4′1½″	2′5″	7′9¾″
25	250,000	2700	84°	80%	¾	2	730	4′1½″	2′5″	7′9¾″

DRAVO *Paraflo* SPACE HEATERS

200,000 to 250,000 Btu/hr output



- **POWER AND FUEL**—Heater operates on 110 volt, 60 cycle, single phase power, and burns up to and including No. 2 fuel oil.
- **FAST TRANSFER OF HEAT**—Stainless-steel combustion chamber allows faster heat transfer from fuel to air and guarantees longer heater life and sustained efficiency. Equipped with *UL* approved gun-type oil burner.
- **FLOATING COMBUSTION CHAMBER**—Supporting straps hold stainless steel chamber in place for inverted or horizontal mounting. One end floats freely relieving stresses and strains due to normal expansion of chamber.
- **HEAT ANY DIRECTION**—Warms areas up to 3600 sq ft. Directional nozzle can be rotated 360° heating any desired location, high velocity discharge assures good distribution up to 90 ft from the unit without the use of ductwork.

This new Dravo heater is ideal for garages, service stations, construction offices, recreation centers, agriculture buildings, warehouses, stores, offices and showrooms. The heater fan can be used for summer ventilation. Heaters can be adapted to air conditioning systems. See data chart on opposite page.

DRAVO *Gas Fired* SUSPENDED TYPE UNIT HEATERS

68,000 to 180,000 Btu/hr output

- **RUGGED CONSTRUCTION**—Heater is a durable unit with a cast iron heat exchanger, cast iron burner, and a heavy-gauge steel exterior jacket with baked enamel finish.
- **EASILY HOOKED UP**—Delivered completely assembled. Just connect gas piping, electric line and exhaust stack. Units wall hung or suspended from roof trusses to conserve valuable floor space.
- **EFFICIENT**—Minimum heating efficiency 80 per cent. Built in draft diverter.

Complete range of models: Heaters are available with either propeller fan for free discharge or blower type fan for ductwork; without fan for duct furnace application where air is supplied from separate source (some models only). Each model capable of burning natural or manufactured gases in all size ranges.

The Dravo Gas-Fired Suspended-Type Heaters can use natural, manufactured, mixed, butane, sewer, or propane gas and liquified petroleum. Give low cost space heating commercial and industrial buildings such as garages, stores, machine shops, warehouses, amusement centers and other buildings.

SUSPENDED *GAS FIRED* MODELS
Sizes and Capacities—Propeller Type*—Series DE

Model	Output Btu/hr.	CFM at 70°F	Temp. Rise	Minimum Effic.	Motor hp	Approximate Shipping Wt.
85DE	68,000	1350	46.5°	80%	1/20	300
110DE	88,000	1820	44.7°	80%	1/20	350
140DE	112,000	2320	44.7°	80%	1/12	400
160DE	128,000	2600	45.7°	80%	1/8	450
200DE	160,000	3200	46.5°	80%	¼	525
225DE	180,000	3500	47.5°	80%	¼	525

* Blower type units available in same sizes, however cfm and motor and horsepower and shipping weight may vary.

Sizes and Capacities—Duct Type*—Series DD

120DD	96,000	875–1270	100°F–70°F	80%	—	435
160DD	128,000	1280–1830	100°F–70°F	80%	—	500
200DD	160,000	1600–2280	100°F–70°F	80%	—	585

