



DRAVO CORPORATION

Neville Island

Pittsburgh 30, Penna.

Atlanta, Baltimore, Boston, Chicago, Cincinnati, Cleveland, Detroit, Dallas, Indianapolis,
New York, Philadelphia, Pittsburgh, San Francisco, St. Louis
Sales Representatives in Principal Cities

DRAVO Counterflow COMMERCIAL SPACE HEATERS

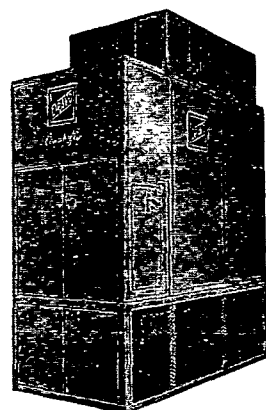
350,000 to 2,000,000 Btu/hr output

- **PYROJET BURNER**—Designed and built by Dravo exclusively for the Commercial heater, the induced draft Pyrojet burns gas, light oil, heavy No. 5 oil or combination gas/light oil. Combination firing has manual or automatic switchover control.
- **STAINLESS STEEL COMBUSTION CHAMBER**—Designed for maximum flame travel and efficient wiping action of air stream for efficient heat transfer. Ruggedly built for long, trouble-free service.
- **SAFETY TESTED**—Approved by A.G.A. and listed by Underwriters Laboratories, Inc. Dravo Safety Control Circuit is accepted by Factory Mutual Engineering Division and Factory Insurance Association.
- **10-YEAR GUARANTEE**—All standard model Commercial Heaters carry a fully bonded 10-year guarantee on all parts in direct contact with flame or flue gases.

DRAVO Counterflow INDUSTRIAL SPACE HEATERS

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

- **ECONOMICAL**—Package type burner for gas, light oil, No. 4 oil or automatic switchover from gas to light oil. Easy to service, this is a rugged mill-type heater which will provide long-time, low-cost, efficient heating in most types of installations.
- **STAINLESS STEEL COMBUSTION CHAMBER**—Full floating stainless steel combustion chamber, designed for four-pass flame travel to assure maximum heat transfer. Economiser tubes whirlpool the hot gases for added efficiency.
- **APPROVALS**—Burner and control components approved by Underwriters Laboratories, Inc., and by A.G.A. where applicable.
- **10-YEAR GUARANTEE**—All standard model Industrial Heaters carry a fully bonded 10-year guarantee on all parts in direct contact with flame or flue gases.



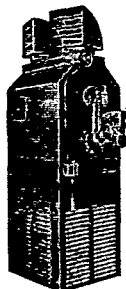
Dravo Commercial Space Heaters, in addition to comfort heating, are easily adapted to heat curing and process drying, tempering or replacement air, in duct furnaces, and for summertime ventilation.

DRAVO Paraflo SPACE HEATERS

200,000 to 250,000 Btu/hr. output

- **POWER AND FUEL**—Heater operates on 120 volt 60 cycle single-phase current. 440/220 volt three-phase operation can be supplied if desired. Burns light oil or gas.
- **FAST TRANSFER OF HEAT**—Stainless steel combustion chamber allows faster heat transfer and guarantees longer heater life and sustained efficiency. Equipped with UL approved gun-type oil burner or A.G.A. approved gas burner.
- **FLOATING COMBUSTION CHAMBER**—Supporting straps hold stainless steel chamber in place for inverted or horizontal mounting.
- **HEAT ANY DIRECTION**—Warms areas up to 3600 sq ft. Directional nozzle can be rotated 350° heating any desired location, high velocity discharge assures adequate distribution up to 90 ft. from the unit without the use of ductwork.

DRAVO Gas Fired Suspended Unit Heaters available for 40,000 to 184,000 Btu/hr applications.



DRAVO Paraflo

The Dravo Industrial Space Heater is a rugged mill-type economy heater. Easy serviceability and long life make this the most economical buy for many installations. Is readily adaptable to process uses, for tempering of replacement air and many other applications.

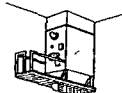
J-C

JACKSON & CHURCH

Division of York-Shipley, Inc., York, Pa.

J-C

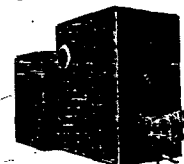
J-C DIRECT-FIRED FURNACES



These new units incorporate a true counter-flow design. Heating surfaces are arranged for highly efficient heat transfer, allowing minimum pressure drop through the heater. Flexible application as they can be installed upright, laid on their side, or inverted. Fully automatic controls, installed and wired for complete programming sequences. For No. 2 oil, natural, mixed, manufactured, L. P. gases or combination.

	Output 1000 Btu	CFM	H In.	W In.	L In.
JC-40	400	4350	28	34	62
JC-60	600	6450	38	38	62
JC-75	750	8170	48	43	78
JC-100	1000	10800	58	48	78
JC-125	1250	13600	68	58	97
JC-150	1500	16200	78	68	97
JC-175	1750	19000	88	78	105
JC-200	2000	21800	98	88	105

J-C POWERED TUBULAR SERIES



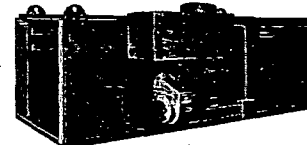
Firing with light oil and/or natural gas in all capacities. Architects and engineers will find in this line the latest engineering advances in furnaces designed for heavy duty requirements.

Model No.*	Output 1000 Btu	CFM Bonnet	H In.	W In.	L In.
2521	200	3600	62	32	80
2221	250	3800	62	32	80
401	320	4500	68	34	84
501	400	4700	67 1/2	38	87
631	500	5600	77	44	92
801	600	7600	77	44	92
1001	800	9600	77	44	92
1200	1200	14000	102 1/2	67	92 1/2
2000	1600	18100	102 1/2	60	92 1/2
2500	2000	22000	110	71	128
2700	2500	26000	110	80	134
4700	3800	45400	110	100	128

* Oil-fired, prefix OL; gas-fired prefix GA; dual fuel prefix OG

† Blower integral part of furnace cabinet.

‡ Blower cabinet separate. Dimensions as follows: Model 60—63"H, 55"W, 42"L; Model 63—63"H, 55"W, 42"L; Model 80—80"H, 69"W, 58 1/2"L; Model 100—88"H, 69"W, 61 1/2"L.

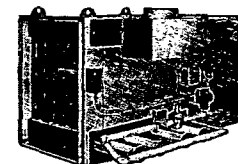


J-C OIL-FIRED SUSPENDED FURNACES

Economical and trouble-free operation of Jackson & Church Suspended Oil-Fired Furnaces is assured. Compactly designed with features that architects, engineers, and builders prefer. Units have stainless steel combustion chamber with over-size air passages for increased heating surfaces. Cabinets are heavy-gauge, rust-resistant steel.

Model No.	Output 1000 Btu	CFM Bonnet	H In.	W In.	L In.
OL-132-S10	100	1350	22	26 1/2	56
OL-180-S15	125 to 153	1890	23	26 1/2	68
OL-230-S22	200 to 224	2320	29	30	80
OL-300-S30	250 to 300	3440	30	34	90
OL-360-S38	325 to 350	4950	35 1/2	38	80
OL-460-S45	400 to 450	5680	35 1/2	38	80
OL-1250-S100	1000	12300	53 1/2	55	118 1/2
OL-200-CF11*	175	2230	73 1/2	27	50

* Counterflow Model.



J-C GAS-FIRED FURNACES

Each size comes in three different styles—as a horizontal furnace (GB) for suspended or floor mounting, as a blower-type unit heater (GU) for suspended or floor mounting, and as a duct furnace (GDF) for quick adaptation to year-round air conditioning. All A.G.A. approved.

	Output 1000 Btu	CFM Bonnet	H In.	W In.	L In.
GB-20	180	2000	24 1/2	26 1/2	65 1/2
GU-20	180	2115	24 1/2	26 1/2	65 1/2
GDF-20	180	2414	24 1/2	26 1/2	65 1/2
GB-34	192	2430	24 1/2	26 1/2	65 1/2
GU-34	192	2430	24 1/2	26 1/2	65 1/2
GDF-34	192	2430	24 1/2	26 1/2	65 1/2
GB-58	224	2990	24 1/2	26 1/2	65 1/2
GU-58	224	2990	24 1/2	26 1/2	65 1/2
GDF-58	224	2990	24 1/2	26 1/2	65 1/2
GA-220-CF11†	175	2220	73 1/2	27	50

† Counterflow Model.