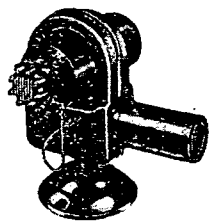
Automatic Burner Corp.

1823 W. Carroll Ave.
Chicago 12, Ill.

"THE STANDARD OF THE INDUSTRY"



MODEL 52A

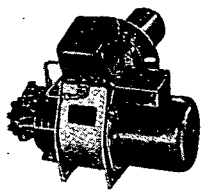
Domestic Conversion Oil Burner

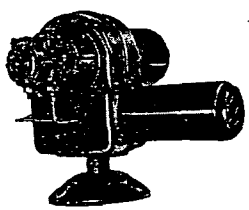
Famous for many years as the gun type oil burner that combines maximum efficiency and economy with trouble-free operation. The heavy gage, drawn steel housing gives a smoother and quieter performance. Some of the exclusive features are the ABC Choke, Spinner and Coupling Assembly. This burner has an unusually attractive appearance in any type of installation. Capacity 0.6 to 5.0 gph.

MODEL 55A

For Packaged Heating Units

This more compact pressure type burner is exceptionally easy to adapt to a wide range of heating units. It fits vestibules measuring only 9⅝ in. and mounts directly to the unit by means of a flange. Among its many features are: high efficiency, quietness of operation, ease of servicing, and dependability over many years of use. Capacity 0.6 to 3 gph.





MODEL 54

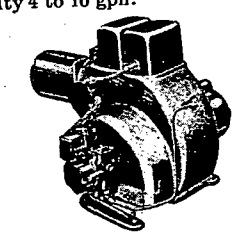
For Commercial and Large Residential Use

More compact yet more efficient for heating and hot water in stores, apartment buildings and similar installations. Incorporates an easily adjustable hinged damper on right hand side as well as usual air intake on pump side for more exact air adjustment at every capacity. Specially designed, double-inlet fan brings air into housing from both sides. With 2-stage Electric Solenoid Fuel Unit. Capacity 4 to 10 gph.

MODEL 53

Industrial Oil Burner

Provides dependable, economical oil heat for small to medium sized factories, institutions, etc. Built-in safety combustion control eliminates need for any stack relay; positive, built-in automatic electric oil cutoff eliminates after-burn . . . has dual ignition and dual nozzles, hinged transformers, two-stage Electric Solenoid Fuel Unit. Capacity 9 to 15 gph.



Enterprise Engine & Machinery Co.

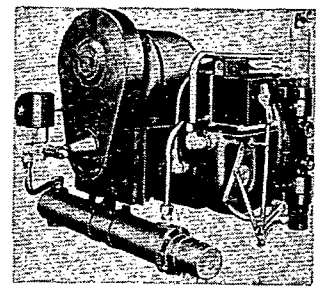
A SUBSIDIARY OF GENERAL METALS CORPORATION
18th & Florida Streets, San Francisco 10, California
Distributors in Principal Cities

ENTERPRISE HORIZONTAL ROTARY BURNERS—OIL, COMBINATION OIL—GAS

BURNER CAPACITIES—150,000 BTU OIL
1,000 BTU GAS

BURNER SIZE	MOTOR HP	OIL U. S. GALS. PER HR.	GAS CU FT PER HOUR	BOILER HP	STEAM EDR 240 Btu	HOT WATER EDR 150 Btu	LBS STEAM PER HOUR
AA	⅛	4	600	13	1,800	2,880	450
A	⅛	7	1,050	23	3,200	5,120	795
C	¼	15	2,250	50	6,950	11,120	1,270
E	½	20	3,000	67	9,310	14,900	2,310
F	¾	28	4,200	93	12,930	20,700	3,270
G	1	35	5,250	116	16,125	25,800	4,000
H	1	50	7,500	166	23,075	36,900	5,725
J	2	70	10,500	233	32,390	51,800	8,040
K	3	100	15,000	333	46,290	74,000	11,490
L	3	135	20,250	450	62,550	100,000	15,525
M	5	200	30,000	666	92,573	148,100	22,975

All maximum capacities are necessarily approximate. Burners installed with adequate draft provisions and correct furnace volume, properly designed, will develop capacities indicated, at sea level.



APPLICATION

Enterprise Horizontal Rotary Burners are specifically designed for Commercial and Industrial use. Commercial heating includes heating plants in all types of buildings larger than private homes, including *apartment houses, hotels, hospitals, schools, green houses, public buildings, offices, manufacturing plants.* Industrial applications include *furnaces, kilns, driers,* etc.

MULTIPLE TYPES

Manual—To be started, regulated and stopped by operator.
Semi-Automatic—Started and stopped by operator, but automatically regulated by temperature or pressure control.
Full-Automatic—Burner automatically starts, stops, and is regulated to provide desired temperatures or steam pressure. Fixed fire start available on smaller sizes. Low fire start for high-low or full modulating control on all sizes.
All burners available with either *Standard gear pump* or *P. D. Metering Pump* or *Non-pump* (for use with separate pump set).
Any grade of fuel oil is burned efficiently—No. 6 (Bunker C) fuel is burned by burners equipped with oil heating system.

COMBINATION OIL-GAS BURNERS

All of the above types of burners are incorporated in combination type burner to burn either fuel oil or gas. Gas may be natural, manufactured, or L. P. gas.

STANDARD EQUIPMENT

All full-automatic burners are furnished with: V-Belt drive, with known advantages of standard electric motors.
Gas-electric ignition—dual ignition on sizes G to M.
Interconnected linkage to provide proportionate mixing of oil and air or gas and air at all firing rates.
Optional open type or angular vane air nozzles for flame control.
Copper tubing—provides free flow of oil with minimum connections.
Operating and combustion safety controls—oil burners, temperature or electronic type—Combination Oil-Gas burners, electronic controls exclusively.

SPECIAL FEATURES

The *Enterprise P. D. Metering Pump* provides exact delivery of oil to the burner by positive displacement, rather than through a metering valve. This definitely insures correct oil supply and air proportioning regardless of the viscosity of the oil, resulting in high efficiency.
Burner hinges are provided with leakproof "O" rings rather than conventional packing glands.

FULLY APPROVED

Enterprise Oil Burners have been tested, approved, and listed as standard by *Underwriters' Laboratories, Inc.* and by other recognized boards and bureaus of safety, measures, and controls.
ENGINEERS will be provided with complete engineering information, either by manufacturers or qualified distributors, upon request.