



## Ace Engineering Company

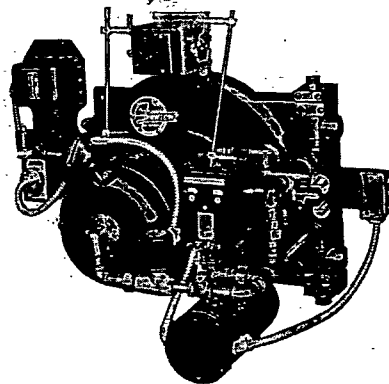
1435 West 15th St., Chicago 8, Ill.

"Custom Engineered Oil Burning Systems Since 1931"

The Ace Uniflow oil burner is built in ten sizes to burn all grades of fuel oil. The oil pump is available either as an integral part of the burner or as a separate unit, depending upon the job requirements. Standard models include both belt and direct drive and for operation with all electrical current characteristics.

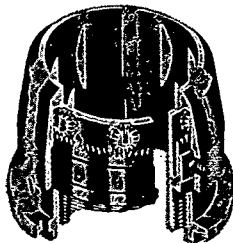
The Ace oil burner features as standard equipment the patented Ace Uniflow valve, which permits constant uniform flow and flame regardless of oil temperature or viscosity.

Approved by Underwriters' Laboratories, Inc., New York Board of Standards & Appeals and the States of Massachusetts and Connecticut, these burners are designed to oil fire commercial and industrial boilers in the capacity ranges as shown below.



### TECHNICAL DATA AND SPECIFICATIONS

| Burner Size | Maximum<br>G. P. H. | Boiler<br>Horse Power | Sq. Ft. Steam<br>Radiation | Motor Size H. P. |
|-------------|---------------------|-----------------------|----------------------------|------------------|
| 12          | 8                   | 24                    | 3,300                      | 1/2              |
| 14          | 15                  | 45                    | 6,000                      | 3/4              |
| 15          | 22                  | 66                    | 8,500                      | 1                |
| 16          | 30                  | 90                    | 12,000                     | 1 1/2            |
| 17          | 45                  | 135                   | 18,000                     | 2                |
| 18          | 70                  | 210                   | 28,000                     | 2.5              |
| 19          | 85                  | 255                   | 34,000                     | 3                |
| 20          | 100                 | 300                   | 40,000                     | 3.5              |
| 22          | 130                 | 400                   | 52,000                     | 5                |
| 24          | 165                 | 500                   | 64,000                     | 5.5              |



### ACE AIR NOZZLE

(Patent No. 2541347)

The Ace variable-vaned air nozzle permits accurate, efficient shaping of the flame to conform with the shape of the combustion chamber. The angle of the vanes can easily be changed in the field to any desired position to suit the boiler requirements and thus insure the maximum flame without oil impingement.

SEND FOR ACE MANUAL...

PREPARED SPECIFICALLY FOR ARCHITECTS AND ENGINEERS.

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## Automatic Burner Corp.

1823 W. Carroll Ave.

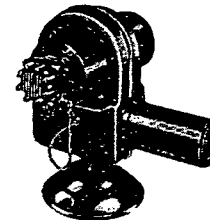
Chicago 12, Ill.

"THE STANDARD OF THE INDUSTRY"

### MODEL 52A

#### Domestic Conversion Oil Burner

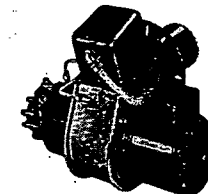
Famous for many years as the gun type oil burner that combines maximum efficiency and economy with smoother, quieter, trouble-free operation. Features exclusive ABC Choke, Spinner, Coupling and Oilairator mechanism for developing truly efficient combustion. Capacity 0.6 to 5.0 gph.



### MODEL 55

#### 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 9 1/2 in. and mounts directly to the boiler by means of a flange. Among its many time-saving features are: 10 second nozzle removal, and a transformer which swings aside breaking electrical contact and permitting easier drawer assembly removal. Capacity 0.6 to 3 gph.



### MODEL 54 For

#### Commercial and Large Residential Use

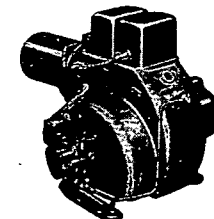
More compact yet more efficient for heating and hot water in stores, apartment buildings and similar installations. Incorporates an easily adjustable hinged damper on right hand side as well as usual air intake on pump side for more exact air adjustment at every capacity. Specially designed, double-inlet fan brings air into housing from both sides. With 2-stage pump. 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 pump. Suitable for front or rear of furnace or boiler mounting. Capacity 9 to 16 gph.



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