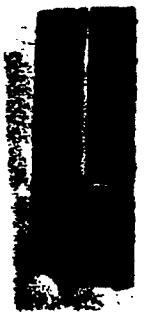
(March, 1951)



The O-GS-E

# EMPIRE
# BOILER

*by*

## AMERICAN-Standard

**Precision engineered . . . for every type of gas**

The O-GS-E is a smartly jacketed boiler that features perfected design, precision controls and many other refinements desired by the modern home owner. For the utmost in utility and performance, this popular boiler is the logical choice for small to medium size homes. Trim and compact, the O-GS-E Empire Gas Boiler can be installed in minimum space . . . burns manufactured, natural, mixed, butane, propane or butane-air gas with outstanding efficiency and economy.

The O-GS-E Empire Gas Boiler features eye appeal as well as utmost utility. Its attractive jacket, distinctive in the Forge Red finish by American-Standard, has a surface that is smooth and easy to clean, yet hard and unusually resistant to scratches and marring. A warm shade of red, it has a hammered effect . . . a surface that picks up highlights readily, reflects the tones in room furnishings and blends beautifully with surrounding colors. The Forge Red finish has superior heat stability . . . can be kept clean and new-looking with a minimum of effort.



O-GS-6-E



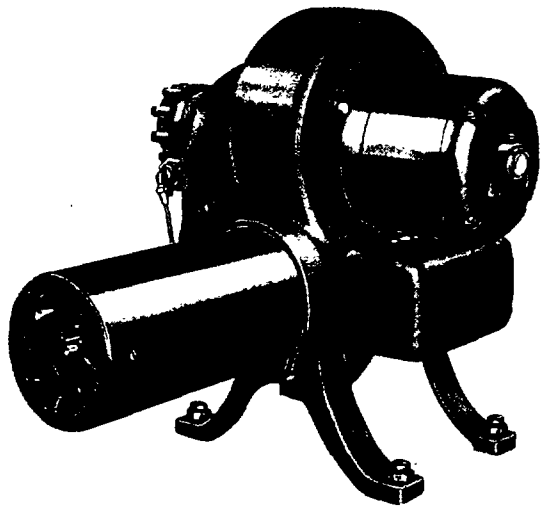

16644

- EXCLUSIVELY FOR *Gas*
- CAST IRON CONSTRUCTION

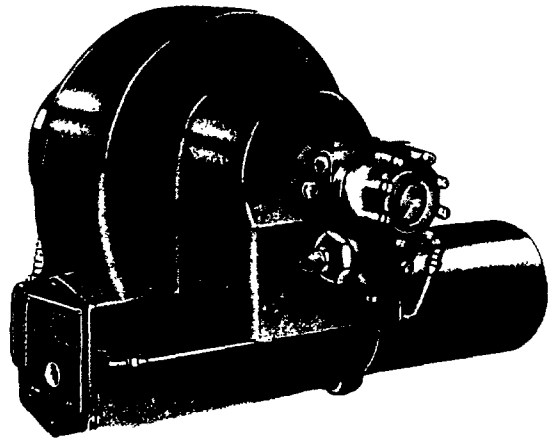
AMERICAN-Standard

First in heating . . . first in plumbing

A. I. A. FILE No. 30-C-1
(March, 1951)



model L



model LF-E

■ Constructed of rugged, corrosion-proof, time-proof cast iron, the Model L Arcoflame by American-Standard is a high-pressure, heavy-duty oil burner for flexible, dependable application with heating units in commercial buildings, apartments or large residences.

In addition to dependable durability, all Model L components—motor, transformer, fuel pump, firing mechanism—are carefully designed and integrated for the quietest possible operation over the entire firing range of 3 to 7 gallons per hour.

Model L burners also feature remarkably clean, economical fuel consumption—with quick starts and quick cut-offs that avoid waste. The two-stage fuel unit pumps air-free oil; the precision-built nozzle provides accurate atomization; primary air volume is accurately and easily controlled with a simple adjustment of the air shutter.

The Model L may be either pedestal mounted or flange mounted and is easily installed to convert any boiler or furnace within its capacity range to automatic oil-fired heating. A complete selection of versatile control combinations is available for all types of hot water, steam or warm air installations.

Thorough laboratory and factory testing programs for Arcoflame oil burners assure conformance to American-Standard requirements for peak operating performance.

model L

model LF-E

# Arcoflame oil burners

PLAINTIFF'S EXHIBIT
16735

AMERICAN-Standard

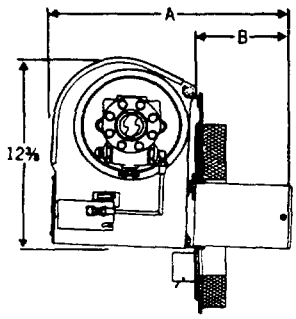
A.I.A File No. 30-G-1 [September, 1958]

# model PH2 Arcoflame

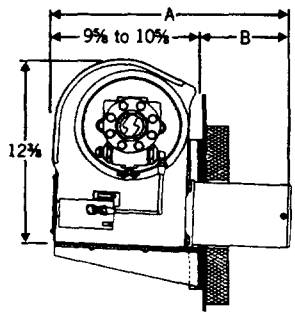
## outstanding design features

- **disk-turbulator assembly** — provides four different, efficient firing combinations
- **single-shaft design** — for fuel unit, fan and motor for quiet operation
- **fan** — statically and dynamically balanced for quiet performance
- **air band** — simple and precise — only adjustment required
- **mountings** — versatile pedestal, flange or hanger types provided
- **electrodes** — rigidly secured — insulated with glazed porcelain
- **ignition** — intermittent or constant spark
- **housing** — heavy-duty steel — easily handled on job
- **transformer** — mid-point grounded to prevent television or radio interference
- **air tube** — available in wide range of 5", 6¾", 8", 15" and 23" lengths — all 4" in diameter
- **nozzle** — each nozzle tested at factory
- **controls** — available for all types of hot water, steam or warm air installations

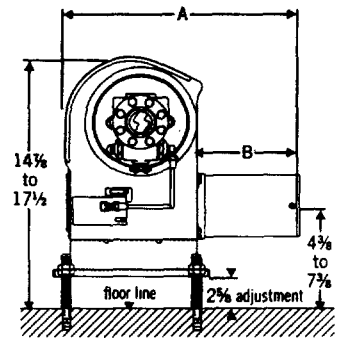
## dimensions (inches)



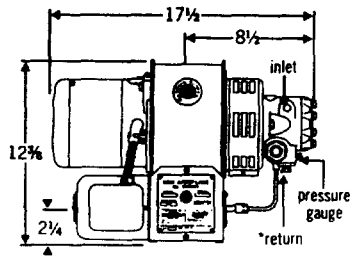

side view hanger mounted




side view flange mounted




side view pedestal mounted




rear view

*on 2-pipe systems install by-pass plug in return opening

| Model | PH2-5 | PH2-6 | PH2-8 | PH2-15 | PH2-23 |
|---|---|---|---|---|---|
| A | 14¼ | 15½ | 16¾ | 23¾ | 31¾ |
| B | 5 | 6¾ | 8 | 15 | 23 |

diameter air tube—4"

## specifications

| Current Characteristics | Oil Rate | | Motor | | Oil Pressure | Capacity Range | | |
|---|---|---|---|---|---|---|---|---|
| | Minimum | Maximum ■ | hp | rpm | (psig) | Disk-Turbulator Assembly | Nozzle Spray Angle | Type Cone |
| 115 volt 60 cycle | 0.65 | 3.00 | ⅛ | 1,750 | 100 | 0.65-1.10 | 60° or 70° | Hollow |
| | | | | | | 0.90-1.25 | 60° or 70° | Hollow |
| | | | | | | 1.35-1.75 | 60° or 70° | Solid |
| | | | | | | 1.80-2.30 | 60° or 70° | Solid |
| | | | | | | 2.35-3.00 | 60° or 70° | Solid |

■ These capacities can be used up to 1,000 feet altitude. Reduce capacities by 4% for each additional 1,000 feet above sea level.

Approval — All Model PH2 Arcoflame Oil Burners (60-cycle, 115-volt) are listed by Underwriters' Laboratories, Inc. for No. 1 and No. 2 grades of fuel oil, distillate or catalytic cracked, and comply with Commercial Standard CS-75. They are approved by the New York City Board of Standards and Appeals, the State Fire Marshal of the Commonwealth of Massachusetts and the Department of State Police, State of Connecticut.

16737


AMERICAN-Standard PLUMBING AND HEATING DIVISION
AMERICAN RADIATOR & STANDARD SANITARY CORPORATION
40 WEST 40TH STREET • NEW YORK 18, NEW YORK

Form No. 268-2

Litho in U.S.A