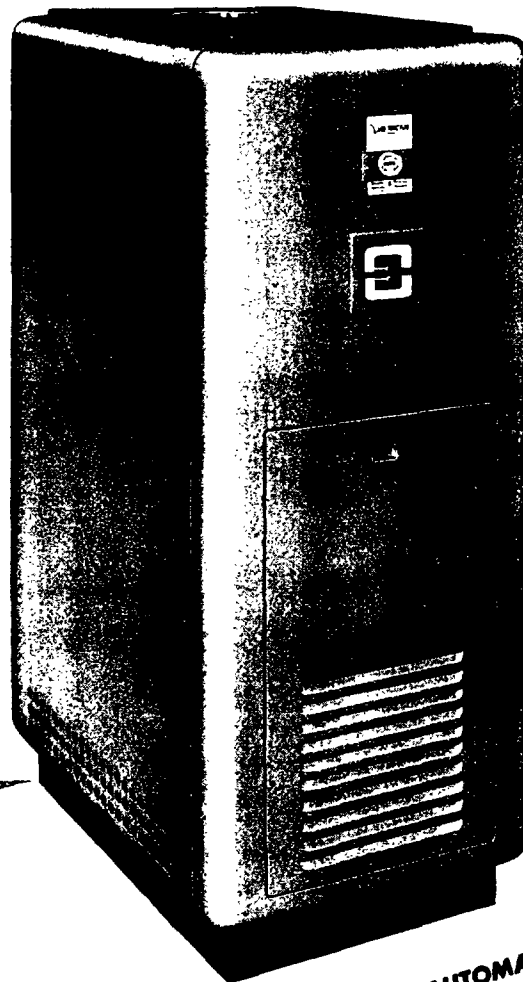


EMPIRE GAS BOILER

TYPE 2-GA-EM

PLAINTIFF'S EXHIBIT

ASI-1168



AMERICAN
HEATING EQUIPMENT
COSTS NO MORE THAN OTHERS

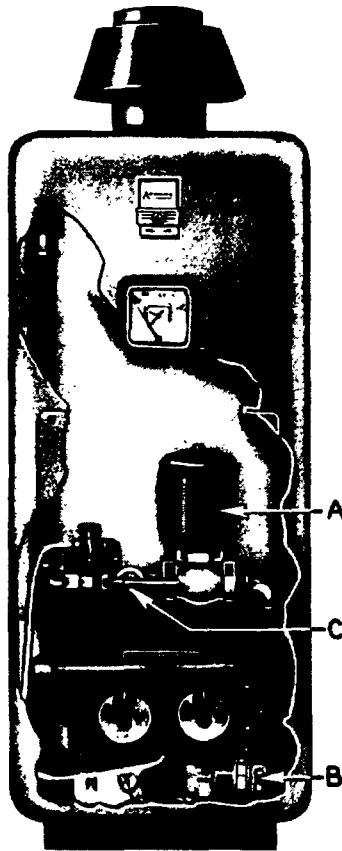
MAKES AUTOMATIC
GAS-FIRED HOT WATER
HEATING EASY FOR
LOW-COST HOMES

AMERICAN
RADIATOR & **Standard**
Sanitary
New York CORPORATION Pittsburgh

13027

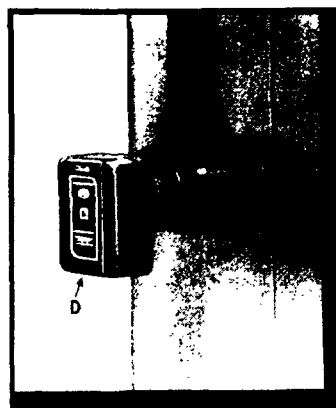
EMPIRE TYPE 2-GA-EM

***excels in efficient, dependable
performance and fine appearance***



FRONT VIEW
(Jacket Cover Removed)
Control Features

- A. V-155-A MH Gas Valve
- B. BASO Thermo Electric Safety Pilot
- C. Main Shut-off Cock
- D. L-170-A MH Aquastat



PARTIAL REAR VIEW
(Showing Aquastat in Flow)



SUPERIOR ENGINEERING

The Type 2-GA-EM is a full-sized, completely equipped, quality gas boiler designed by skilled technicians and priced for the smallest home. Nothing has been skimped — it is planned from the ground up for economical and dependable gas burning, and for providing automatically all the benefits of hot water radiator warmth.

The Type 2-GA-EM measures up to our high standards both in engineering and workmanship. It has every essential feature for good performance. The cutaway view and specifications shown at right are convincing evidence of this fact. It permits the owner or builder of the small home to have the exclusive advantages of gas heating, at commensurate cost.

GRAVITY OR FORCED HOT WATER

The Type 2-GA-EM Gas Boiler is designed for hot water only, and can, of course, be used with either the gravity or forced system. The ability of hot water heating to provide comfortable and healthful warmth is well-known; this boiler adds to it the carefree, clean operation of gas fuel.

THE BEST IN CONTROLS

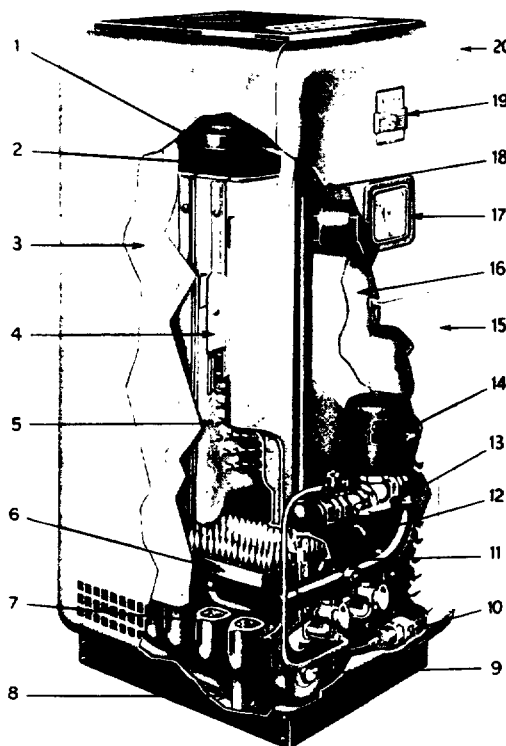
In order to achieve positively automatic and trouble-free operation, the controls must be right. The Type 2-GA-EM Empire Gas Boiler is equipped with precision controls of high repute for exact regulation of gas flow and other functions as listed in the specifications on next page. They assure smooth, safe operation, and eliminate the need for any attention whatever beyond lighting the pilot in fall.

SPECIAL APPEAL TO BUILDERS

To the average buyer of a new home, the idea of automatic heat with gas fuel has special significance. Therefore the builder of small homes for sale, will find the 2-GA-EM Boiler particularly suitable for his needs, because it provides the ideal comfort of gas heating at modest cost. It adds greatly to the prestige of the homes and is a particularly attractive selling feature.

IT'S WHAT'S UNDERNEATH THE JACKET THAT COUNTS . . .

1. **FLUE CONNECTION** — Designed to provide a vertical flue connection through top panel of jacket. Vertical draft hood is furnished. Room is available under the jacket to make a rear connection, but required horizontal draft hood is not furnished as Standard equipment.
2. **CANOPY** — Heavy cast iron set in putty-filled groove, forming perfect gas tight joint.
3. **INSULATION** — Thick asbestos insulation on all sides effectively prevents excess heat loss from boiler.
4. **CLEANOUT OPENING** — Provides easy access for cleaning flue surfaces of sections.
5. **PATENTED PIN TYPE CAST IRON SECTION** — The most effective type of cast iron heat absorbing surface. Rapidly and efficiently absorbs the heat from the rising columns of hot gases and transfers this heat to the water within the sections.
6. **QUIET BURNER** — Raised, drilled port, Bunsen type. Quiet in operation.
7. **WATER LEG** — Water-filled sections entirely surround combustion chamber, even below burners. Prevents excess heat radiation to floor and permits use of water radiators located on the same floor as the boiler. No basement required.
8. **SECTIONS ASSEMBLED** — All sections assembled at factory with carefully machined slip nipped and heavy tie rods.
9. **RETURN TAPPING** — Located at extreme bottom in front and rear for one-floor heating systems.
10. **THERMOSTATIC PILOT** — Base thermoelectric type. Keeps gas supply valve closed unless pilot is burning.



2-GA-EM EMPIRE
Cutaway View

11. **PILOT BURNER** — Carefully designed and located close to burner for immediate ignition. Gas cannot flow through main gas valve unless this pilot is lighted. Readily accessible for lighting or observation.
12. **COMBUSTION CHAMBER ACCESS DOOR** — Conveniently located for easy inspection.
13. **MAIN GAS COCK** — Furnishes complete manual gas shut off and separate pilot gas control.
14. **MAIN GAS VALVE** — Minneapolis-Honeywell type V 155-A, electrically operated from room thermostat. Valve cannot open unless pilot is burning properly. Minneapolis-Honeywell immersion aquastat No. L 170-A is furnished as part of equipment for installation in the flow line at the boiler. This aquastat provides upper limit control of water temperature, closing main gas valve should water temperature reach desired maximum for which it has previously been set.
15. **ACCESS DOOR** — Large, for easy inspection, sets flush with jacket.
16. **FRONT INSULATION** — Heavy asbestos air cell, metal shielded.
17. **ALTITUDE GAUGE AND THERMOMETER** — Convenient, readable, attractive.
18. **CONCEALED PIPING** — Gas pipe concealed under jacket, gas pressure governor furnished for installation at rear of boiler, outside of jacket.
19. **NAME PLATE** — Attractive "American" name plate, the best known name in heating.
20. **JACKET** — Handsome in appearance and easy to keep clean. Beautiful two-tone Canyon Red baked enamel. Will enhance any recreation room or den.

EASY TO INSTALL

The sections of this boiler are all assembled before shipment is made. All that is necessary on the job is to set the boiler in place, connect the controls, add the jacket and other incidentals and the boiler is ready. This results in faster installation, with corresponding saving in time and labor.

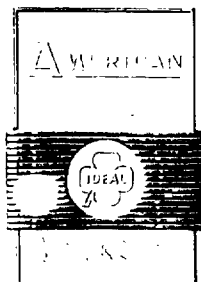
APPROVED BY A.G.A.

The Empire Type 2-GA-EM Boiler has been tested and approved by the American Gas Association. It meets all their requirements. In addition, it is made and backed by the foremost manufacturer of heating equipment — American Radiator and Standard Sanitary Corporation.

NEW RICHLY COLORED JACKET

The Empire Gas Boiler gives tone to any basement. For its smart jacket, created by a leading designer, is streamlined and finished in rich Canyon Two-Tone Red. With the Em-

pire there's no need to conceal the boiler in a separate room, because there's no dust or dirt. Rather you will find it adds distinction to the basement and blends with any furnishings or decorations that may be used.



LOOK FOR THE DISTINCTIVE NAME PLATE

AMERICAN
HEATING EQUIPMENT
COSTS NO MORE THAN OTHERS

EMPIRE BOILER TYPE 2-GA-EM

FOR NEW OR OLD HOMES

While the Type 2-GA-EM is ideal for new homes, it is equally as suitable for modernization. It is the best answer to the universal desire for automatic heating at little cost. It gives the old home a new lease on life and makes the occupants happy and contented.

CONVENIENT PAYMENTS

Time payments are available for modernization in accordance with U. S. Government Regulations.

FOR INDIVIDUAL APARTMENTS

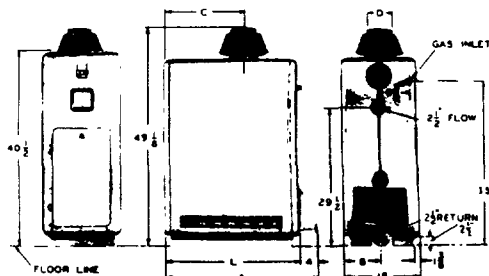
For individual apartments, or homes without a basement, you'll find this Empire Gas Boiler the right solution. It is built to operate efficiently with radiators on the same floor as the boiler. It's good looking. It is so compact it can be placed in a kitchen corner or a suitable closet. And it's so economical that most tenants will welcome the chance to enjoy its benefits.

SHORT FORM SPECIFICATIONS



In general the following form will be found adequate: "Furnish and install according to manufacturer's instructions, where shown on the plans an Empire Gas Water Boiler with an A.G.A. output rating of . . . sq. ft. of radiation. The boiler shall be manufactured by the American Radiator & Standard Sanitary Corporation and shall be completely equipped with Type 10-MH Equipment consisting of BASO Thermostatic Pilot, V 155-A Gas Valve, and L 170-A Minneapolis-Honeywell Aquastat."

This may be supplemented with paragraphs governing installation of gas supply, piping, connections, tests, etc., as required.



RATINGS AND DIMENSIONS Water Only

Boiler No	A G A Water Rating Sq Ft	Supplies Installed		A	C	L	Diam. Flue	Gas Conn.	Number and Size Tapping	
		Sq. Ft. 150 Btu.	Sq. Ft. 200 Btu.						Flow	Return
2-GA-4-EM	420	269	202	23 1/4	12 1/4	19 1/4	5	3/4	1-2 1/4	1-2 1/4
2-GA-5-EM	560	361	269	26 1/4	14 1/4	22 1/4	5	1	1-2 1/4	1-2 1/4
2-GA-6-EM	700	454	341	29 1/4	15 1/4	25 1/4	6	1	1-2 1/4	1-2 1/4
2-GA-7-EM	840	548	411	32 1/4	17 1/4	28 1/4	6	1 1/4	1-2 1/4	1-2 1/4

"Ratings listed under "Supplies Installed" include a suitable allowance for normal piping and pickup. This rating is shown computed on the basis of 150 Btu. and 200 Btu. per square foot per hour emission for water boilers. Note. All dimensions are in inches.

The products illustrated herein are normally available for prompt delivery. Our ability to furnish these, as well as the products shown in our catalogues, is subject to the needs of the National Defense Program.

AMERICAN & **Standard**
RADIATOR & **Sanitary**

New York CORPORATION Pittsburgh

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