

Burnham Boiler Corporation

Manufacturers of Cast Iron and Welded Steel Boilers,
Cast Iron Radiators and Heating Accessories

Irvington-on-Hudson, N. Y.

Branch Offices

BOSTON; PHILADELPHIA; CHICAGO;
QUEENS VILLAGE, L. I.; LONG ISLAND
CITY, N. Y.; BALTIMORE; SPRINGFIELD;
LANCASTER; PITTSBURGH; ZANESVILLE;
ELIZABETH; GENEVA, N. Y.



Plants

ELIZABETH, N. J.; LANCASTER, PA.;
ZANESVILLE, OHIO; GENEVA, N. Y.

BURNHAM BUILT-IN-OIL BURNING BOILER

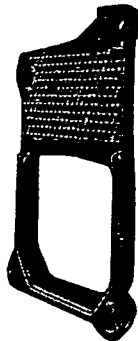
Design

Designed especially for securing greatest economy with oil fuel. Is not limited to use of any particular oil burner. Will operate satisfactorily with any gun-type burner. Equipped for all-year-round hot water supply. Provision made for six automatic controls insuring positive action and safety.



Construction

Cast iron square sectional, encased in heavy gauge steel jacket, attractively finished in spatterdash aluminum. Duco lacquered. Jacket of boiler heavily insulated against heat and sound. Every thing is built-in. Controls are in burner division, reached through door at back. Refractory furnished with boiler, also water heater, low water cut-off and draft adjuster.



Performance

Note all sides of fire pot or combustion chamber are water surrounded, even the bottom. This latter prevents heat from converting the moisture into steam below the usual concrete bottom, with danger of causing explosions. All fire travel is vertical and between a series of staggered teeth which literally eat up the heat. Between the crown sheet and smokebox, a distance of 19 in., approximately 2000 deg of heat is gathered by the water. The fact that when you open the peep door you can see for yourself, that practically none of the color flames of combustion go into the fire travel, proves conclusively how perfect is the combustion. It has a particularly low heat lag, due to the fact that the air supply is cut off soon as burner ceases. No cooling is therefore caused by chimney draft drawing air through the boiler. It is an economy boiler built as Burnham builds.

Boiler Ratings

No. of Boiler	Equivalent Direct Radiation	Minimum Gallons of Oil per Hour to Sustain Rating
Steam		
S. B.	725	1.5
S. C.	1075	2.25
Water		
W. B.	1160	1.5
W. C.	1720	2.25

Height.....	57 in.
Width.....	29 in.
Depth.....	36 in. for No. B. 42 in. for No. C.
Water line height.....	46 in.
Oil burner chamber.....	13 in. deep 27 1/2 in. wide 56 in. high
Supplies and returns.....	two 3-in. supplies two 3-in. returns
Smoke pipe size.....	No. S. B. 8 in. No. S. C. 9 in. Height to center, 50 3/8 in.

There's a Burnham for Every Heating Purpose

Burnham Boiler Corporation

Irvington-on-Hudson, New York

There's A
for Every



Burnham
Purpose



Catalogs Sent on Request

1—Welded Steel Boilers—Also Three Purpose Welded Steel Boilers.

For heating, hot water supply and incineration. Coal or oil. Completely welded for 15 lb working pressure. Multiple shaking grates. Sizes for commercial or domestic uses. Special folder sent on request.

2—Water Tube Boilers for Steam and Hot Water Heating.

17, 21, 27, and 36 in. Double shaking grates and long fire travel. Rating to 9,050 sq ft for steam and 15,085 sq ft for water.

3—Water Tube Boilers Jacketed in Color.

17, 21, and 27 in. Steel Jacket and 4 ply air cell asbestos insulation. Enameled rich red and black. Jacket goes on after all other set up work. Rating to 4,225 sq ft for steam and 6,800 sq ft for water.

4—Burnham Oil-Burning Boilers.

A specific-sized boiler for each specific heat job for use with any standard oil burner. Round Sectional Burnhams in 6 series and 24 sizes. Square Burnhams in 5 series and 39 sizes. For steam, vapor, or water.

5—Big Twin Sectional Boilers.

50 in. Grate, divided for easy shaking. Twin sections, divided down the middle. Ratings to 19,450 sq ft for steam 31,800 sq ft for water.

6—Tube Type Smokeless Boilers.

For burning soft coal efficiently and without smoke. Meet smoke ordinances everywhere. Similar to (2) above with addition of smokeless feature.

7—Round Sectional Boilers.

This boiler made the long fire travel famous. Handled easily. Very large steam dome. Ratings up to 1,550 sq ft for steam, 2,560 for water.

8—High Pressure Hot Water Supply Boilers.

Sectional construction Guaranteed to 120 lb working pressure. Supplies up to 3,800 gal.

9—Junior Hot Water Supply Boilers.

Will keep 175 to 700 gal tank always full of hot water. Guaranteed to 120 lb working pressure.

10—Burnham-Taco Tanks.

Combining water heater and storage tank in one unit for summer-winter use. Removable copper heating element. Tanks may be galvanized, evendur or copper.

11—Burnham-Cast-Iron Radiators.

Occupy 40% less space than ordinary cast-iron radiators of same rating. Shorter. Lower. Narrower. 3-tube type 3 1/4 in. wide. 4-tube type 4 7/8 in. wide. 5-tube type 5 1/2 in. wide. Can be recessed.

12—Fero Tube Radiators.

All heights—3, 4, 5, 6, and 7 tubes.

13—Burnham Air and Vacuum Valves.

Full line for radiators, risers and mains.

14—Burnham Radiator Valves.

Complete line of heating accessories. Including steel tanks of all kinds.

15—Burnham Flexible Headers.

16—Federal Unit Heaters.

Complete line in modern designs.