

Heating Systems • Boilers,
Radiators,
Convectors

THE NATIONAL RADIATOR COMPANY

MODERN DESIGN



HEATING EQUIPMENT

Johnstown

Pennsylvania

Branch Offices

BALTIMORE.....	2100 St. Paul Street	PHILADELPHIA.....	401 North Broad Street
BOSTON.....	620 Newbury Street	PITTSBURGH.....	125 First Avenue
CHICAGO.....	400 West Madison Street	RICHMOND.....	12 South Third Street
NEW YORK.....	60 East 42nd Street	WASHINGTON.....	4034 Georgia Avenue, N.W.



"100" Series



"200" Series

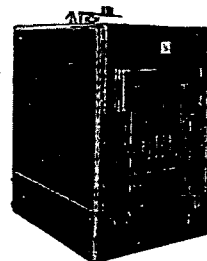


Oil Heating Unit

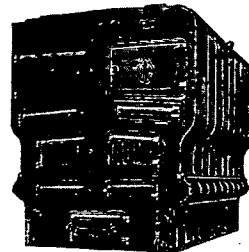
NATIONAL HEAT EXTRACTOR CAST IRON BOILERS. The distinguished family of National Heat Extractors was designed with full appreciation of the requirements of automatic heating. National Heat Extractors are provided with many features to insure high operating efficiency and maximum fuel economy. These include extended heating surface, multiple-flue section construction, effectively insulated jacket and doors, and heat conserving baffles. Convertible from hand to automatic firing after installation and readily adaptable to any desired fuel or method of firing. Wide range of both storage and tankless domestic water heaters available.

NATIONAL OIL HEATING UNITS, cast iron or steel, provide complete "one package" equipment designed for maximum efficiency and top performance with this fuel. Complete automatic controls, prefabricated combustion chamber of proper proportions, quiet burner for rear firing and attractive all-enclosing jacket.

NATIONAL GAS BOILERS are modern, compact and designed exclusively for gas firing. Cast iron sections for long life and dependability. Tapered flues, long zigzag fire travel and heavy insulation insure efficiency and economy.



"300" and "400" Series



"500" Series

HEAT EXTRACTOR BOILERS

Boiler Series	Net I-B-R Ratings, Sq Ft	
	Steam	Water
100	170 to 410	270 to 660
200	350 to 880	560 to 1410
300	700 to 2300	1120 to 3680
400	2500 to 6000	4000 to 9600
500	4000 to 10300	6400 to 16480



Gas Boiler

OIL HEATING UNITS

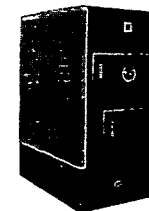
Type of Unit	Net Ratings, Sq Ft		Boiler Series	Net Ratings, Sq Ft A.G.A. Approved	
	Steam	Water		Steam	Water
100 Series Cast Iron.....	230 to 410	370 to 660	20 and 22	109 to 390	174 to 624
200 Series Cast Iron.....	400 to 880	640 to 1410	30	353 to 983	565 to 1570
Residential Steel.....	275 to 700	440 to 1120	40	445 to 1920	711 to 3070

The National Radiator Company

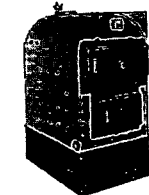
Heating Systems • Boilers,
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Convectors



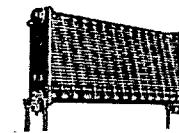
18"-23" Steel Boiler



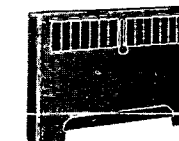
26"-29"-39" Steel Boiler



26"-29"-39" Steel Boiler Unjacketed



Aero Convector



Convector Enclosure

NATIONAL STEEL BOILERS meet all the requirements of the SBI Testing and Rating Code and the ASME Boiler Construction Code. All are inspected and approved by a representative of the Hartford Steam Boiler Inspection and Insurance Company. The 18 in. and 23 in. Series RESIDENTIAL STEEL BOILERS are designed for smaller homes. The 26 in., 29 in., and 39 in. Series RESIDENTIAL STEEL BOILERS are designed specifically for large homes, apartments, and commercial installations. Can be furnished unjacketed, or with modernly styled heavily insulated jacket.

RESIDENTIAL STEEL BOILERS

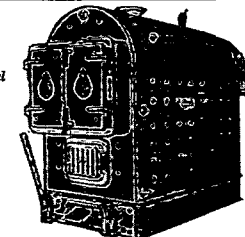
Boiler Series	SBI Net Ratings, Sq Ft	
	Steam	Water
18" and 23".....	275 to 700	440 to 1120
26", 29", and 39"....	700 to 3000	1120 to 4800

NATIONAL COMMERCIAL STEEL BOILERS are designed to supply the heating needs of larger buildings. Their firebox proportions conform with the recommendations of the Stoker Manufacturers' Association. Hand fired boilers may be converted to stoker, oil, or gas firing at any time after installation.

COMMERCIAL STEEL BOILERS

Boiler Type	SBI Net Ratings, Sq Ft	
	Steam	Water
Automatically fired.....	3000 to 35000	4800 to 56000
Hand fired.....	2500 to 29170	4000 to 46670

Commercial Steel Boiler



NATIONAL AERO CONVECTORS are of compact cast iron design with fins cast integral with tubes. Adaptable to any type of heating system and can be used with direct radiation.

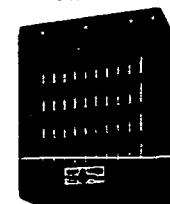
NATIONAL ART RADIATORS blend inconspicuously with most decorative schemes. Compact proportions require minimum floor space. A wide variety of sizes and ratings can be furnished.

NATIONAL CONVECTOR ENCLOSURES are made in several different types applicable to modern structural or decorative requirements. They were designed to develop maximum output of the convector.

NATIONAL UNIT HEATERS are designed for quiet, economical operation with steam or hot water. Available in both Horizontal and Vertical delivery types in a number of sizes.



Art Radiator



Unit Heater Horizontal Delivery