

THE NATIONAL RADIATOR COMPANY

MODERN DESIGN HEATING EQUIPMENT

Johnstown Pennsylvania



Branch Offices: BALTIMORE, 2100 St. Paul Street; BOSTON, 620 Newberry Street; BUFFALO, 17 Wells Street; CHICAGO, 400 West Madison Street; CLEVELAND, 2422 Prospect Avenue; DETROIT, 5736 Twelfth Street; NEW YORK, 60 East 42nd Street; PHILADELPHIA, 1218 Cherry Street; PITTSBURGH, 125 First Avenue; RICHMOND, 308 West Cary Street; SAN FRANCISCO, 631 Market Street; WASHINGTON, D. C., 4043 Georgia Avenue, N. W.



I-B-R Symbol—National Cast Iron Boilers are conservatively and accurately rated by laboratory tests in accordance with the Testing and Rating Code of the Institute of Boiler and Radiator Manufacturers.

SBI Symbol—National Steel Boilers are rated in conformance with the Steel Boiler Institute Rating Code and will develop their catalogued ratings in accordance with the performance requirements of their code.

A.G.A. Symbol—National gas heating products bear the A.G.A. Seal of Approval or are listed by the American Gas Association.

ASME Symbol—All National boilers are designed, constructed and stamped in accordance with the requirements of the Boiler Construction Code of the American Society of Mechanical Engineers.

NATIONAL HEAT EXTRACTOR CAST IRON BOILERS

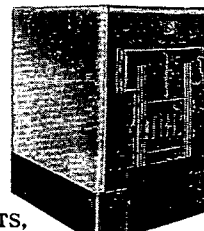
Designed to fit the requirements of automatic heating, National Heat Extractors are provided with many features to insure high operating efficiency and maximum fuel economy. These include extended heating surface, multiple-flue section construction, effectively insulated jacket and doors, and heat conserving 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.



"100" Series



"200" Series



"300" Series

HEAT EXTRACTOR BOILERS

Boiler Series	Net I=B=R Ratings, Sq Ft	
	Steam	Water
100	170 to 470	270 to 855
200	350 to 880	560 to 1560
300	700 to 2300	1120 to 3835
400	2500 to 6000	4000 to 9600



Oil Heating Unit

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.

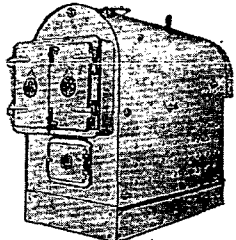
OIL HEATING UNITS

Type of Unit	Net Ratings, Sq Ft A.G.A. Approved	
	Steam	Water
100 Series Cast Iron	230 to 470	430 to 855
200 Series Cast Iron	400 to 880	730 to 1560
Residential Steel	275 to 700	440 to 1120

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 a boiler insurance company. The 18 in. and 23 in. Series Residential Steel Boilers (for gas and oil) are designed for smaller homes. The 26 in., 29 in. and 39 in. Series RESIDENTIAL STEEL BOILERS for Hand and Automatic Firing are designed for larger installations. The Commercial Series are adaptable to automatic or hand firing and are used for the largest installations.



Residential Steel Boiler



Commercial Steel Boiler

RESIDENTIAL STEEL BOILERS

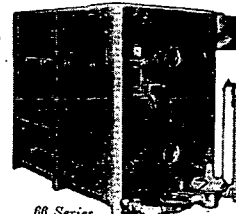
Boiler Series	SBI Net Ratings, Sq Ft	
	Steam	Water
18" and 23"	275 to 700	440 to 1120
26", 29" and 39"	570 to 3000	910 to 4800

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



22, 33, 44 Series



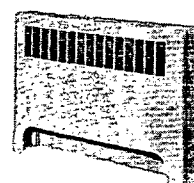
66 Series

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.

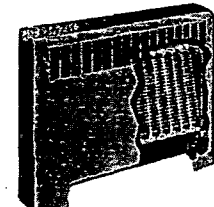
GAS BOILERS

Boiler Series	Net Ratings, Sq Ft A.G.A. Approved	
	Steam	Water
22	110 to 390	205 to 715
33	355 to 980	650 to 1725
44	445 to 1920	810 to 3245
66	1770 to 12950	3010 to 20720

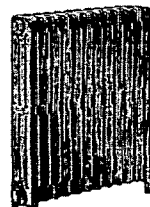
NATIONAL HEAT DISTRIBUTORS



Art Convector



Aero Convector



Art Radiator

NATIONAL ART CONVECTOR—A non-ferrous convector, for flush and semi-or full-recessed installation. Aluminum fins bonded to copper tubing comprise the heating element. Enclosures are made in a variety of types for residential or commercial installation.

NATIONAL AERO CONVECTOR—Heating element is made of cast iron with fins cast integral with tubes. Adaptable to any type of heating system. Several types are available for residential or commercial installation. **NATIONAL ART RADIATORS**—Compact, cast iron construction... blend inconspicuously with most decorative schemes.