

THE NATIONAL RADIATOR COMPANY

MODERN DESIGN

HEATING EQUIPMENT

Johnstown

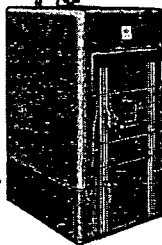


Pennsylvania

Branch Offices: BALTIMORE, 2100 St. Paul Street • BOSTON, 620 Newbury Street • BUFFALO, 17 Wells Street
• CHICAGO, 400 West Madison Street • 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, 681 Market Street • WASHINGTON, D. C., 4043 Georgia Avenue, N.W.



"100" Series



"200" Series

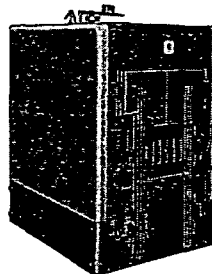


Oil Heating Unit

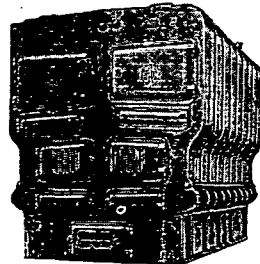
NATIONAL HEAT EXTRACTOR CAST IRON BOILERS. Designed to fit the requirements of automatic heating, National Heat Extractors are provided with many features to insure high operating efficiency and maximum fuel economy. These include extended heating surface, multiple-flue section construction, effectively 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.

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 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
500	4000 to 10300	6400 to 16480



Gas Boiler

OIL HEATING UNITS

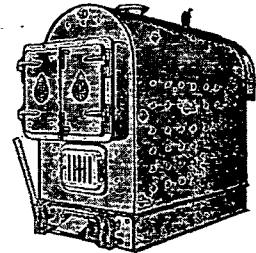
GAS BOILERS

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 470	430 to 855	20 and 22	110 to 390	205 to 715
200 Series Cast Iron	400 to 880	730 to 1560	30 and 33	355 to 985	650 to 1725
Residential Steel	275 to 700	440 to 1120	40 and 44	445 to 1920	810 to 3240
			55	1195 to 9690	2080 to 15505

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 oil or gas) 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.



18" and 23" 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

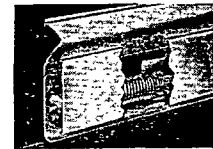
Boiler Type	SBI Net Ratings, Sq Ft	
	Steam	Water
Automatically fired	3000 to 35000	4800 to 56000
Hand fired	2500 to 29170	4000 to 46670



The National Packet Flush Jacket

THE NATIONAL PACKET: A compact, all-in-one automatic oil or gas-fired heating unit for small homes. An integral tankless heater provides domestic hot water. Unit also available with white enclosing cabinet. SBI Net rating 510 sq ft Water.

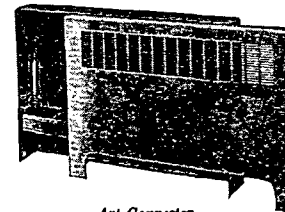
The National Packet used with National Art Baseboard provides a modern, low cost, easy-to-install complete hot water heating system for small homes, motels, diners, stores, etc.



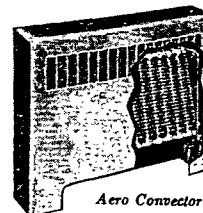
Art Baseboard

NATIONAL ART BASEBOARD—Replaces customary wooden baseboard. Two types, BF (flush-to-wall) and BR (recessed under plaster). Heating element consists of helical fin bonded to a copper tube. Designed for use with forced circulation hot water systems.

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.



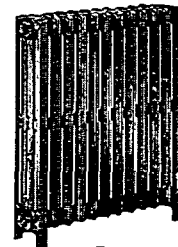
Art Convector



Aero Convector

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—Blend inconspicuously with most decorative schemes. Compact proportions require minimum floor space. A wide variety of sizes and ratings can be furnished.



Art Radiator