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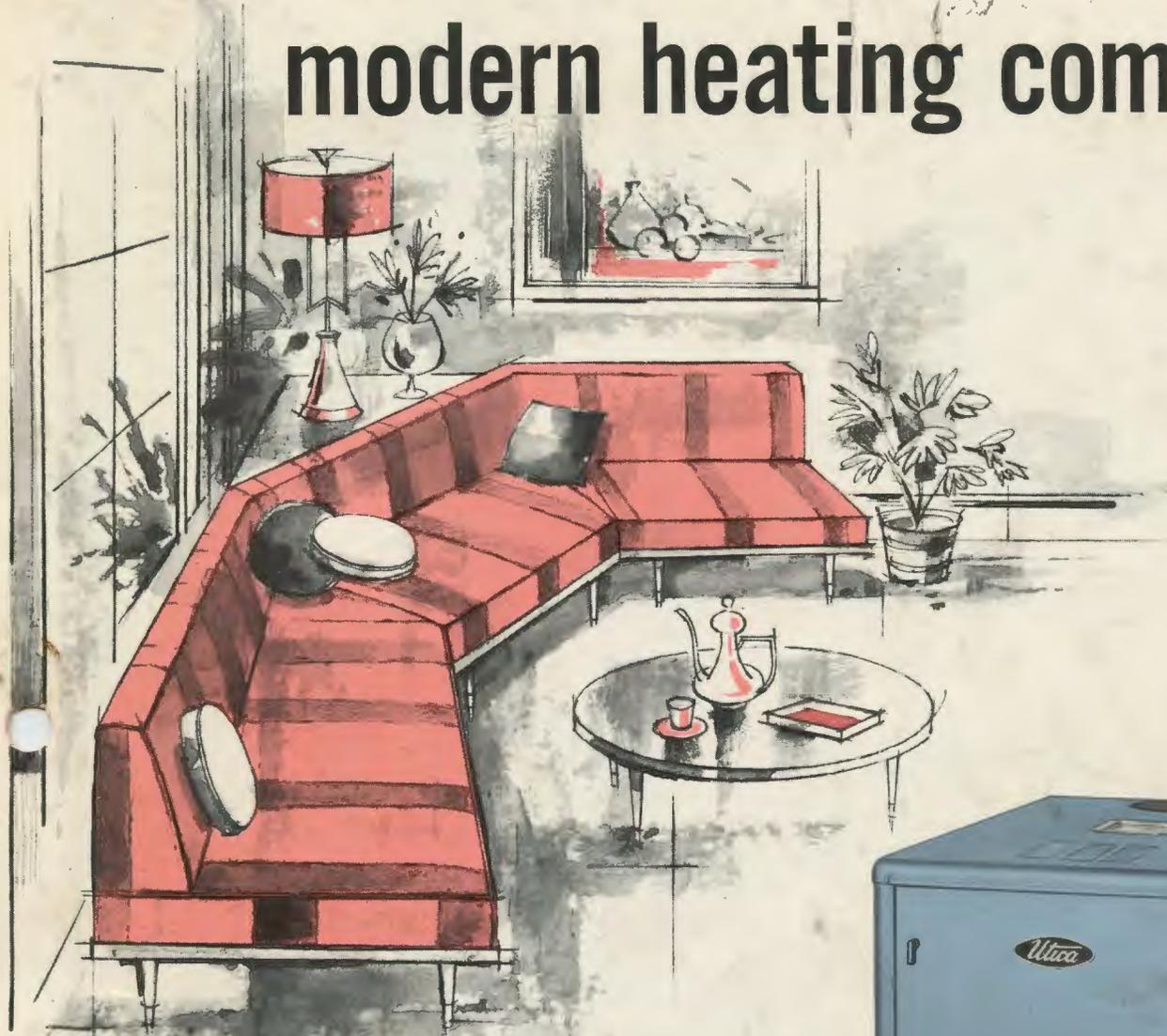


SCRANTON SALES CO.
Wholesale Dist
PLUMBING • HEATING SUPPLIES
PENN AVE. and WALNUT ST.
SCRANTON 9, PA.
Phone DI 60718-19 655-2264-5

UTICA RADIATOR CORPORATION

UTICA • NEW YORK

An invitation to
modern heating comfort...



Utica

'DONOBILT'

GAS BOILERS

For your family's health and comfort...

**Choose the home heating unit
that is unsurpassed for
efficient, dependable operation**



GAS BOILER

Set the thermostat for the exact degree of comfort you want in your home, and the 'Donobilt' Gas Boiler does the rest . . . automatically . . . and economically. You'll enjoy perfectly balanced, draft-free 'sunshine warmth' in every room, and that's important to your family's health during the cold winter months and in other seasons when your home needs heat!

Complete flexibility in decorative arrangements

There's never a problem of changing your furniture groupings when you install a 'Donobilt' Gas Boiler with a hydronic* heating system in your home. Inconspicuous heating panels are located along the baseboard, out of sight and out of the way, so you can change your room arrangements as often as you please without affecting the source of heat.

*The science of heating and cooling with water.



'Donobilt' Gas Boilers are real fuel misers

Every design detail of the 'Donobilt' Gas Boiler has been performance-proven in rigid laboratory testing and in thousands of installations to assure you trouble-free heating comfort with low fuel cost. In addition, your 'Donobilt' Boiler can be factory-equipped with a built-in instantaneous water heater that supplies an abundance of hot water for bath, laundry and dishwashing, saving the expense of a separate water heater.

Capacity-rated to meet your requirements exactly

'Donobilt' Gas Boiler packaged units are produced in a wide range of capacities, and your heating contractor can select the size that precisely matches your home's heating needs. This assures you efficient, low-cost operation. Installation is fast and simple because each 'Donobilt' Boiler is completely assembled and factory-equipped with all precision controls and accessories mounted and wired. The 'table-top' height permits space-saving placement in any small area.

Latest advance in automatic home heating!

ZONE CONTROL

**allows you to select the exact
comfort level for every room
in your home...saves on fuel**

You can enjoy perfectly balanced heating comfort in different areas of your home with Zoned Heating, available with all 'Donobilt' Gas Boilers. Separate valves regulate the amount of heated water that flows to each zoned area, and you can control the precise temperature you want in various parts of the house. You can have less heat in rooms that are not normally used during the day, and that saves substantially on fuel costs. Your Heating Contractor can plan a zone controlled system for your home that will give you delightfully pleasant and healthful indoor living regardless of outside weather conditions.



Available on all 'Donobilt' Boilers — 2 and 3 zone valve sets, mounted on header and wired at factory.

'DONOBILT' GAS BOILERS are complete heating 'packages', engineered for efficient . . . automatic . . . carefree operation



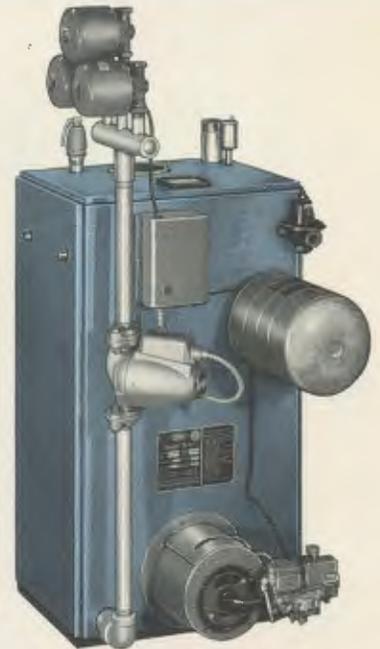
PH-WG-15-F

Ideal for small homes — includes tankless heater



PH-WG-15-F to 45-F

Capacities for all residential requirements



PHL-WG-15-F

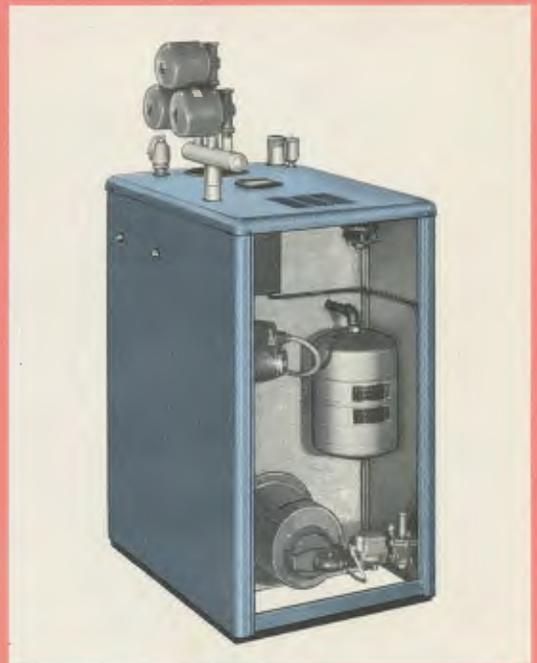
Plus factory-installed zone valves

**Boiler sections are durable
cast iron, the 'Lifetime' metal**



Rugged cast iron sections heat fast, hold heat longer and are rust and corrosion resistant. The patented 'Free-Floating' construction provides independent expansion of each section. A unique V-shaped, rubber-cushioned header allows boiler water to flow unrestricted between sections, equalizing boiler water temperature and assuring peak operating efficiency.

**Factory-assembled, tested and
crated . . . saves installation costs**

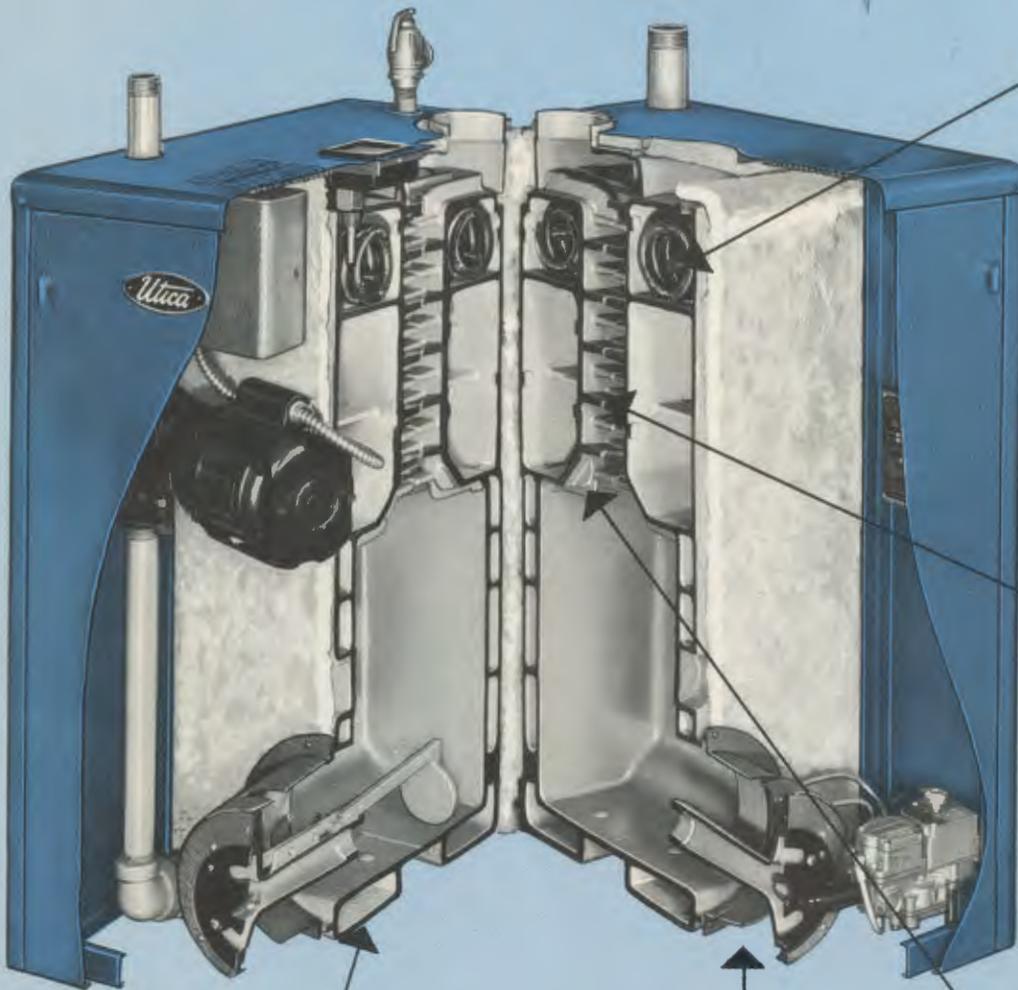


'Donobilt' Gas Boilers are completely assembled with burner, circulator, wiring, and all controls conveniently mounted and wired on front of boiler. Each unit is carefully inspected and tested before being sturdily crated for shipment. You save on installation cost because everything is ready for your contractor, eliminating costly on-the-job assembly of separate parts.



WET BASE GAS BOILER

design features that assure y
dependable heating comfort a
exceptional operating econom



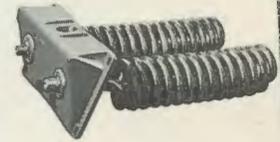
Efficient Wet Base Design

Water in the cast iron boiler completely surrounds the combustion chamber. The gas flame burns entirely inside the boiler sections. Highly effective combustion is assured because all air must enter through a controlled opening in the burner. This 'Donobilt' design feature reduces 'stand-by' loss and also increases seasonal operating efficiency.

Decorator-styled Jacket

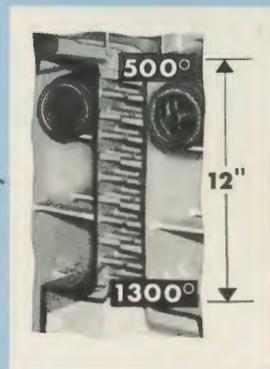
The 'Donobilt' Gas Boiler is encased in a sturdy metal jacket with a rich blue baked enamel finish that will retain its beauty and luster indefinitely. The jacket is fully insulated to prevent heat loss.

U.S. Patents 2,934,046 and 3,051,145
Canada - Patented 1961



Instant Hot Water for Household Use

An oversized tankless heater of distinctive design, available only with the 'Donobilt' Boiler, has unrestricted Trufin copper tubing extending across the top of each boiler section, extracts heat instantly from hottest boiler water. Capacities up to 6 gallons per minute.



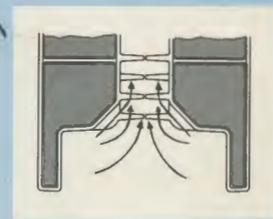
Fast Heat Transfer

In just one foot of compact flue-way, over 130,000 Btu's of heat are effectively absorbed by the boiler water. This outstanding achievement in boiler design is another reason the 'Donobilt' Gas Boiler is acclaimed for rapid heat transfer and exceptional economy of operation.



The Ideal Gas Burner

The 'Donobilt' single port, cast iron gas burner is a worthy partner in performance with the 'Donobilt' Boiler. It supplies the perfectly shaped flame best suited to take full advantage of the fuel saving economy of wet base construction.



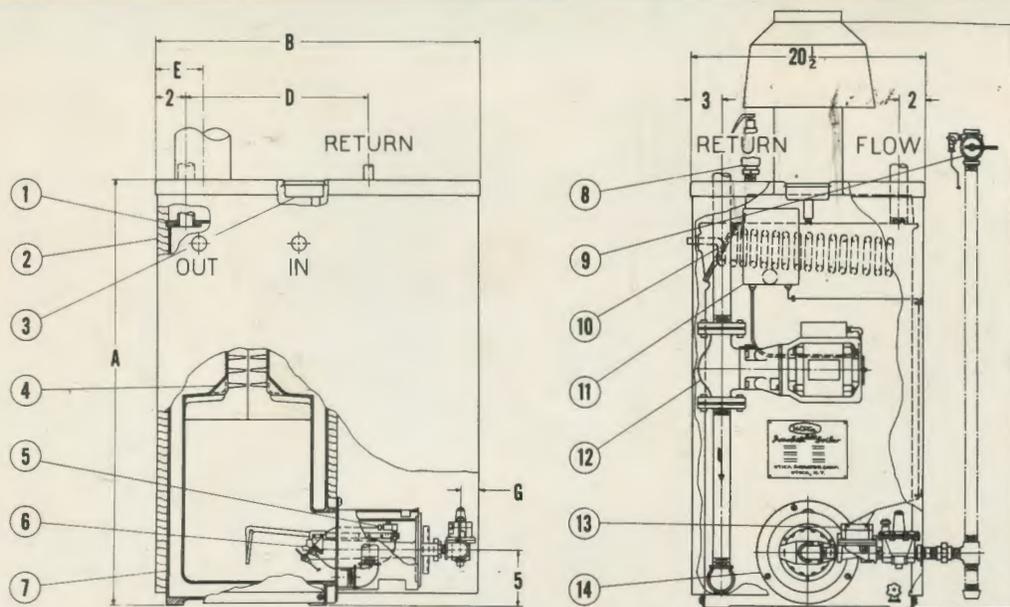
Flue Gas Transistor

Unique patented flueway opening permits unrestricted flow of hot gases from combustion chamber into flueway, insures smooth burner starts, greatly increases the effectiveness of the heat transfer surfaces, makes possible the low 'table-top' height of the 'Donobilt' Boiler.

'Open book' view of the 'Donobilt' Gas Boiler showing the unique design features that make it the outstanding package unit for modern home heating.

DONOBILT' Gas Packaged Units

Designed in 6 sizes for Forced Water Circulation - with or without Tankless Heater



PH and P-WG-15 to 45

RATINGS, DATA and DIMENSIONS NATURAL, MIXED & MANUFACTURED GASES

Boiler No.	**A.G.A. Rating		I-B-R Net Output Btu Per Hr.	†Net Rating Sq. Ft. Water	Tank- less Heater Size G.P.M.	Pump Size	ØFlue Size	Shut-off Valve and Gas Inlet		Dimensions					Size of Tappings	
	Input Btu Per Hr.	Gross Output Btu Per Hr.						Nat.	Mfg.	A	B	C	D	E	Flow	Return
PH&P-WG-15-E	120,000	96,000	72,000	480	3	1"	5"	3/4"	3/4"	36 1/2"	25 1/4"	48"	16 3/4"	4"	1 1/2"	1 1/2"
PH&P-WG-15-F	120,000	96,000	72,000	480	3	1"	5"	3/4"	3/4"	36 1/2"	25 1/4"	48"	16 3/4"	4"	1 1/2"	1 1/2"
PH&P-WG-20-E	133,000	106,400	79,500	530	3 1/4	1"	6"	3/4"	3/4"	37 1/2"	29"	52"	16 3/4"	4"	1 1/2"	1 1/2"
PH&P-WG-20-F	133,000	106,400	79,500	530	3 1/4	1"	6"	3/4"	3/4"	37 1/2"	29"	52"	16 3/4"	4"	1 1/2"	1 1/2"
PH&P-WG-30-E	185,000	148,000	111,000	740	4	1 1/4"	7"	3/4"	1"	38 3/4"	37 7/8"	60 3/8"	24 3/4"	4 1/4"	1 1/2"	1 1/2"
PH&P-WG-30-F	185,000	148,000	111,000	740	4	1 1/4"	7"	3/4"	1"	38 3/4"	37 7/8"	60 3/8"	24 3/4"	4 1/4"	1 1/2"	1 1/2"
PH&P-WG-35-E	210,000	168,000	126,000	840	4 1/2	1 1/4"	7"	3/4"	1"	38 3/4"	37 7/8"	64 3/8"	24 3/4"	4 1/4"	1 1/2"	1 1/2"
PH&P-WG-40-E	240,000	192,000	144,000	960	5 1/2	1 1/2"	8"	3/4"	1"	38 3/4"	46 1/4"	61 3/8"	32 3/4"	12 1/8"	1 1/2"	1 1/2"
PH&P-WG-45-E	270,000	216,000	162,000	1080	6	1 1/2"	8"	3/4"	1"	38 3/4"	46 1/4"	61 3/8"	32 3/4"	12 1/8"	1 1/2"	1 1/2"

PROPANE GAS

PH&P-WGP-15-E	120,000	96,000	72,000	480	3	1"	5"	1/2"	1/2"	36 1/2"	25 1/2"	55 1/2"	16 3/4"	4"	1 1/2"	1 1/2"
PH&P-WGP-15-F	120,000	96,000	72,000	480	3	1"	5"	1/2"	1/2"	36 1/2"	25 1/2"	55 1/2"	16 3/4"	4"	1 1/2"	1 1/2"

NOTE: PH-WG Packaged Units include Tankless Heater, P-WG Packaged Units less Tankless Heater with Header Plate. All boiler sizes also available Non-Packaged' when so ordered.

STANDARD EQUIPMENT: (Numbers correspond to circled numbers on dimensional drawing) 1. Crated Boiler 2. Jacket (Extd. or Flush, as listed) 3. Ther-mometer Gage. 4. Flue Gas Transistor 5. Runner-Type Pilot Ignitor (optional) 6. Non-linting Safety Pilot (100% Shut-off, Propane Gas) 7. Wet Base Construction 8. A.S.M.E. Relief Valve 9. Manual Shut-off Valve 10. Tankless Heater (capacity as listed) 11. Triple-Aquastat-Relay 12. Circulator 13. Automatic Gas Valve (Millivolt) 14. Gas Burner, PLUS, Low Voltage Thermostat, Flow Regulator, Drain Cock, Draft Hood, Gas Pressure Regulator (not furnished for Propane Gas), Pilot Cock, Pilot Filter (mfg. gas only), Wiring Harness, Plastic Cover with 'PH' Packaged Units. Header Plate and Aquastat-Relay with 'P' Packaged Units.

*Approved for installation on combustible flooring.

†Based on 170° water in radiators.

**For elevations above 2,000 feet, ratings should be reduced at the rate of 4% for each 1,000 feet above sea level.

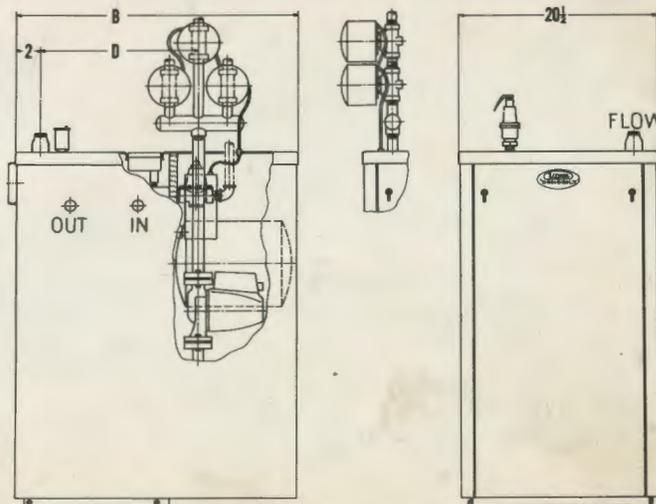
○Recommended chimney height, 20 feet.

●Incorporated in Combination Gas Valve-WG-15.

Net I-B-R Ratings include allowance for normal piping loss and pickup load. Utica Radiator should be consulted on installations having unusual piping and pickup requirements.

Packaged Zone Heat

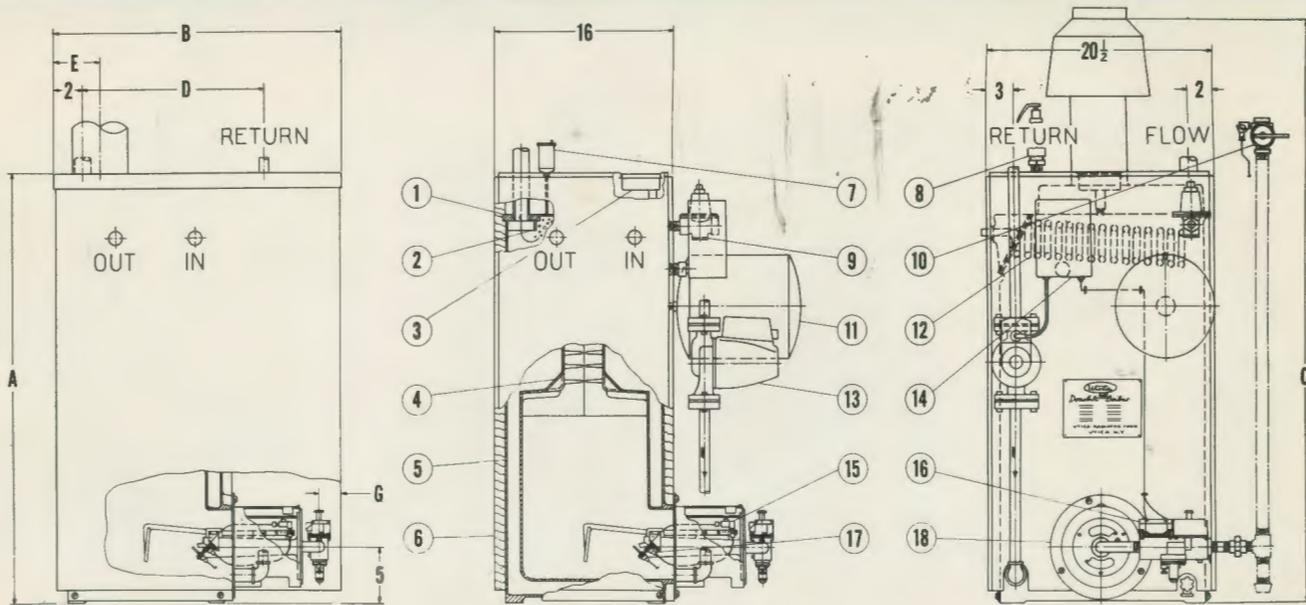
Available with all 'Donobilt' Gas Units. Choice of 2 or 3 M-H Zone Valves (3/4" female thread) mounted on header and wired at factory. Header may be used on return (as shown) or on flow. Two-wire low-voltage M-H thermostats furnished. Transformer capable of operating up to 3 zone valves, incorporated in the limit control.



3-Zone Valve Installation

'DONOBILT' Complete Installation Packaged Units

The popular choice for Series Loop Baseboard Installations



PHL and PL-WG-15 to 30

RATINGS, DATA and DIMENSIONS NATURAL, MIXED & MANUFACTURED GASES

Boiler No.	**A.G.A. Rating		I-B-R Net Output Btu Per Hr.	†Net Rating Sq. Ft. Water	Tank- less Heater Size G.P.M.	Pump Size	Flue Size	Shut-off Valve and Gas Inlet		Dimensions					Size of Tappings		▲Size Air Cush. Tank
	Input Btu Per Hr.	Gross Output Btu Per Hr.						Nat.	Mfg.	A	B	C	D	E	Flow	Return	
*PHL&PL-WG-15-E	120,000	96,000	72,000	480	3	1"	5"	3/4"	3/4"	36 1/2"	25 1/4"	48"	16 3/4"	4"	1 1/2"	1 1/2"	#15
*PHL&PL-WG-15-F	120,000	96,000	72,000	480	3	1"	5"	3/4"	3/4"	36 1/2"	25 1/4"	48"	16 3/4"	4"	1 1/2"	1 1/2"	#15
*PHL&PL-WG-20-E	133,000	106,400	79,500	530	3 1/4	1"	6"	3/4"	3/4"	37 1/2"	29"	52"	16 3/4"	4"	1 1/2"	1 1/2"	#15
*PHL&PL-WG-20-F	133,000	106,400	79,500	530	3 1/4	1"	6"	3/4"	3/4"	37 1/2"	29"	52"	16 3/4"	4"	1 1/2"	1 1/2"	#15
PHL&PL-WG-30-E	185,000	148,000	111,000	740	4	1 1/4"	7"	3/4"	1"	38 3/4"	37 7/8"	60 3/8"	24 3/4"	4 1/4"	1 1/2"	1 1/2"	#30
PHL&PL-WG-30-F	185,000	148,000	111,000	740	4	1 1/4"	7"	3/4"	1"	38 3/4"	37 7/8"	60 3/8"	24 3/4"	4 1/4"	1 1/2"	1 1/2"	#30

PROPANE GAS

*PHL&PL-WGP-15-E	120,000	96,000	72,000	480	3	1"	5"	1/2"		36 1/2"	25 1/4"	55 1/2"	16 3/4"	4"	1 1/2"	1 1/2"	#15
*PHL&PL-WGP-15-F	120,000	96,000	72,000	480	3	1"	5"	1/2"		36 1/2"	25 1/4"	55 1/2"	16 3/4"	4"	1 1/2"	1 1/2"	#15

NOTE: PHL-WG Packaged Units include Tankless Heater, PL-WG Packaged Units less Tankless Heater with Header Plate.

STANDARD EQUIPMENT: (Numbers correspond to circled numbers on dimensional drawing) 1. Crated Boiler 2. Boiler Dip Tube 3. Ther-altimeter Gage 4. Flue Gas Transistor 5. Wet Base Construction 6. Jacket (Ext'd. or Flush, as listed) 7. Automatic Air Vent 8. A.S.M.E. Relief Valve 9. Automatic Fill Valve 10. Manual Shut-off Valve 11. Air Cushion Tank 12. Tankless Heater (capacity as listed) 13. Circulator 14. Triple-Aquastat-Relay 15. Runner-Type Pilot Ignitor (optional) 16. Combination Gas Valve (Millivolt) and Gas Pressure Regulator (regulator not furnished for Propane Gas) 17. Non-Linting Safety Pilot (100% Shut-off, Propane Gas) 18. Gas Burner PLUS, Low Voltage Thermostat, Flow Regulator, Drain Cock, Drafthood, Pilot Cock, Pilot Filter (Mfg. Gas only), Wiring Harness, Plastic Cover with 'PHL' Packaged Units. Header Plate and Aquastat-Relay with 'PL' Packaged Units.

*Approved for installation on combustible flooring.

**For elevations above 2,000 feet, ratings should be reduced at the rate of 4% for each 1,000 feet above sea level.

†Based on 170° water in radiators.

Net I-B-R Ratings include allowance for normal piping loss and pickup load. Utica Radiator should be consulted on installations having unusual piping and pickup requirements.

○Recommended chimney height, 20 feet.

▲Tank sized for non-ferrous baseboard or radiant panel systems only.

●Incorporated in Combination Gas Valve-WG-15, furnished as separate units on other sizes.

Your triple assurance of dependable heating performance



Reg. U.S. Pat. Off.

Tested and capacity rated in accordance with the Code of The Institute of Boiler and Radiator Manufacturers.



Approved by American Gas Association—meets National Safety Requirements.



Constructed and hydrostatically tested in accordance with ASME Boiler Code.



UTICA RADIATOR CORPORATION

UTICA, NEW YORK



'DONOBILT' GAS BOILER

CAST IRON - WET BASE + For Forced Hot Water



A.G.A. approved for natural, manufactured, mixed and propane gases — meets National Safety Requirements.



Tested and capacity rated in accordance with the Code of The Institute of Boiler and Radiator Manufacturers.



Constructed and hydrostatically tested in accordance with ASME Boiler Code.

COMPLETELY PACKAGED and FACTORY WIRED

EXTENDED JACKET		FLUSH JACKET		A.G.A. RATING		Net Output b.t.u. per hr.	Net Water sq. ft.	Tankless Heater Size	Approx. Shipping Weight
BOILER No.	TRADE PRICE	BOILER No.	TRADE PRICE	Input b.t.u. per hr.	Gr. Output b.t.u. per hr.				
PH-WG-15	\$370.00	PH-WG-15F	\$359.00	120,000	96,000	72,000	480	3 g.p.m.	505
P-WG-15	330.00	P-WG-15F	319.00	120,000	96,000	72,000	480	—	495
PH-WG-20	433.00	—	—	133,000	106,400	79,800	530	3½ g.p.m.	530
P-WG-20	398.00	—	—	133,000	106,400	79,800	530	—	520
PH-WG-30	489.00	—	—	185,000	148,000	111,000	740	4 g.p.m.	680
P-WG-30	454.00	—	—	185,000	148,000	111,000	740	—	670
PH-WG-35	525.00	—	—	210,000	168,000	126,000	840	4½ g.p.m.	715
P-WG-35	490.00	—	—	210,000	168,000	126,000	840	—	705
PH-WG-40	573.00	—	—	240,000	192,000	144,000	960	5½ g.p.m.	895
P-WG-40	526.00	—	—	240,000	192,000	144,000	960	—	875
PH-WG-45	609.00	—	—	270,000	216,000	162,000	1080	6 g.p.m.	925
P-WG-45	562.00	—	—	270,000	216,000	162,000	1080	—	945

*Based on 170° water in radiators.

NOTE: When ordering specify type of gas—natural, mixed, manufactured & propane (WG-15 only). Also name of Utility supplying gas.

STANDARD EQUIPMENT:

NATURAL, MIXED OR MANUFACTURED GAS

PH Units — with tankless heater

- Crated Boiler
- Jacket
- Gas Burner
- Non-Linting Safety Pilot
- Millivolt Gas Valve
- Gas Pressure Regulator
- Manual Shut-Off Valve
- Pilot Cock
- Pilot Filter (mfg. gas only)
- Tankless Heater
- Flow Regulator
- Circulator and connecting piping
- Theraltimeter Gauge
- A.S.M.E. Relief Valve
- L8024B Triple Aquastat Relay
- Thermostat
- Boiler Drain
- Draft Hood
- Wiring Harness
- Plastic Cover

P Units — less tankless heater

- Crated Boiler
- Jacket
- Gas Burner
- Non-Linting Safety Pilot
- Millivolt Gas Valve
- Gas Pressure Regulator
- Manual Shut-Off Valve
- Pilot Cock
- Pilot Filter (mfg. gas only)
- Heater Cover Plate
- Circulator and connecting piping
- Theraltimeter Gauge
- A.S.M.E. Relief Valve
- L8048B Aquastat Relay
- Thermostat
- Boiler Drain
- Draft Hood
- Wiring Harness
- Plastic Cover

PROPANE GAS

PH-WG-15 and P-WG-15 Units Only

- Crated Boiler
- Jacket
- Gas Burner
- Non-Linting Safety Pilot
with 100% Shut Off
- Millivolt Gas Valve
- Manual Shut-Off Valve
- Pilot Cock
- Circulator and connecting piping
- Theraltimeter Gauge
- A.S.M.E. Relief Valve
- Tankless Heater or Heater Cover Plate
- Flow Regulator when ordered with
tankless
- L8024B when ordered with tankless
- L8048B when ordered less tankless
- Thermostat
- Boiler Drain
- Draft Hood
- Plastic Cover

• Incorporated in Combination Gas Valve—WG-15.

For Runner Type Pilot Ignitor add \$3.00 to Trade Price of Boiler.

All Boilers equipped for installation on combustible flooring at no extra charge.

For elevations above 2,000 feet, ratings should be reduced at the rate of 4% for each 1,000 feet above sea level.

UTICA RADIATOR CORPORATION

• UTICA 2, N. Y.

Comfort-controlled heat
for your home...



OIL BOILERS

**Modern hydronic home heating
at its finest . . .**



Revolutionary new 'packaged' boilers provide the ultimate in low-cost comfort

Enjoy the benefits of automatic hydronic heat

Choose a 'Donobilt' Oil Boiler for your home and discover the real meaning of 'summer-sunshine' warmth and comfort on the coldest winter days! With a hydronic heating system, hot boiler water is circulated to inconspicuous heating panels in every room, and gentle, radiant heat spreads across the floors and rises to warm the walls. Your home is wrapped in a healthful blanket of warmth, and you control the exact comfort temperature automatically. In addition, all 'Donobilt' Oil Boilers can be factory-equipped with an instantaneous water heater which supplies an abundance of hot water the year around for dish-washing, bath and laundry.

Complete flexibility in decorative arrangements

Heating panels are located along the baseboard, out of sight and out of the way. There are no unsightly registers or grilles to interfere with the most pleasing furniture grouping, and you can change your room arrangement as often as you please without affecting the source of heat. Hydronic heating with a 'Donobilt' Oil Boiler is clean heat, too. There is no dust or smudge to make housekeeping a chore.

'Donobilt' Boilers are engineered for peak performance

Every design detail of the 'Donobilt' Oil Boilers has been performance-tested for efficiency and economy of operation. The boiler sections are made of rugged cast iron, the 'lifetime' metal. Each component has been carefully selected to assure you trouble-free home heating comfort with low fuel costs. These quality features, plus 'table-top' height of the unit, make it a natural for installation in kitchen, utility room or game room. Inside the decorator-styled Hammertone Blue Jacket is the finest heating 'package' available for new homes or modernizing older homes, and it is priced to appeal to the most discriminating buyer.

Choose from a wide range of complete units

'Donobilt' Oil Boiler packaged units are produced in a complete range of sizes to meet the heating requirements of small, medium size and large residences. Installation is fast and inexpensive, because each 'Donobilt' Boiler is completely assembled, wired and tested at the factory. Your heating contractor can select the exact 'Donobilt' Boiler unit and install the hydronic heating system that will give you the maximum in comfort and efficiency with low operating costs.

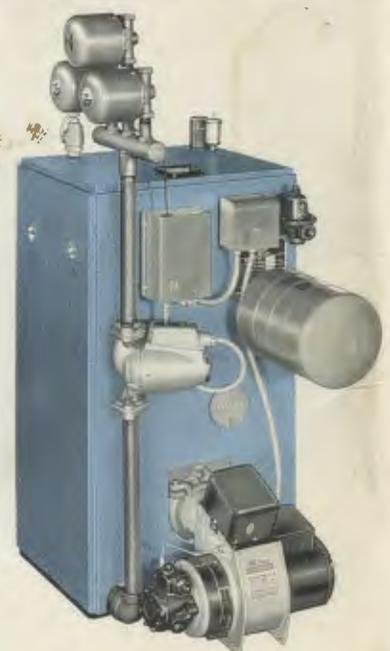
A complete selection of factory-assembled units, engineered for efficiency!



PH-WO-20 to 40-F
Ideal range for residential heating



PH-WO-45 to 60-F
For larger than usual heating requirements

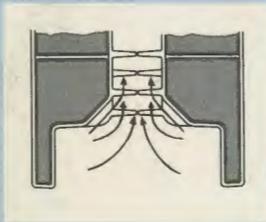


PHL-WO-20-F
Includes factory-installed zone valves



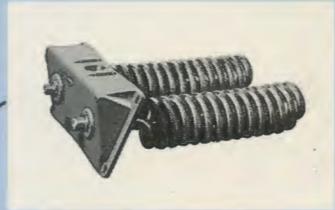
WET BASE OIL BOILER

design features that assure you dependable heating comfort and exceptional operating economy



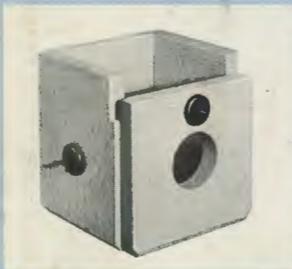
Flue Gas Transistor

Unique, patented flueway opening permits hot gases to flow unrestricted, eliminates turbulence, insures smooth burner starts, even with low chimneys. This exclusive 'Donobilt' feature makes it an ideal choice for ranch type homes.



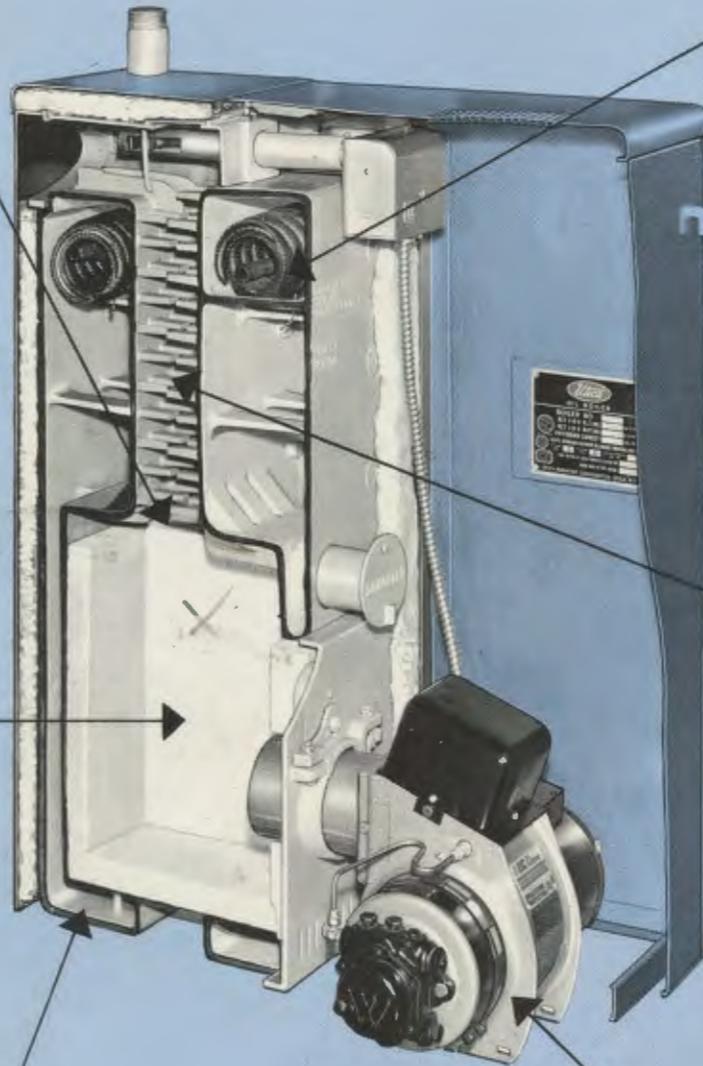
Instant Hot Water for Household Use

An oversized tankless heater of distinctive design, available only with the 'Donobilt' Boiler, has unrestricted Tru-fin copper tubing extending across the top of each boiler section, extracts heat instantly from hottest boiler water. Capacities up to 9 gallons per minute.

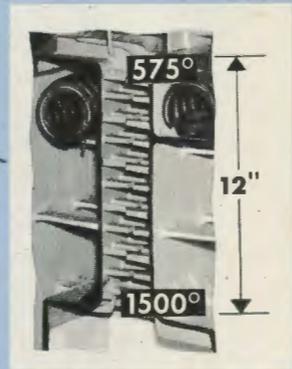


Perfect Fuel Combustion

Lightweight 2600° kiln-baked refractory, 100% precision machined, is held in place with adjustable clamps to assure a perfect gas-tight fit. It glows white-hot in only 15 seconds after burner starts, insures high flame efficiency and fuel-saving combustion.



'Donobilt' Oil Boiler No. PH-WO-20E



Fast Heat Transfer

In just one foot of compact flueway, over 140,000 Btu's of heat are effectively absorbed by the boiler water. This outstanding achievement in boiler design is another reason the 'Donobilt' Oil Boiler is acclaimed for rapid heat transfer and exceptional economy of operation.

Efficient Wet Base Design

Water in the cast iron boiler completely surrounds the combustion chamber. Flame burns entirely inside the boiler sections. This quality 'Donobilt' feature measurably increases the boiler efficiency, shortens operating cycles and saves on fuel, year after year.

Boiler-matched Oil Burners

The oil burners designed for use with 'Donobilt' Boilers have been laboratory tested and performance-proved to operate with a clean flame at high efficiency. Burners are specially flange mounted to provide quiet, vibrationless operation.

Cutaway View of the 'Donobilt' Oil Boiler showing the unique design features that make it the outstanding package unit.

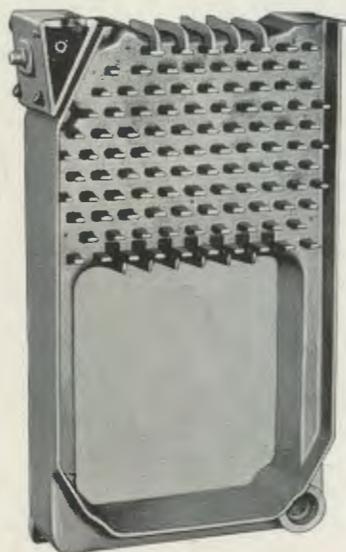
ZONE Control

allows you to select
the exact comfort level
for every room in your
home . . . saves on fuel!



Available on all 'Donobilt' Boilers — 2 and 3 zone valve sets, mounted on header and wired at factory.

You can enjoy perfectly balanced heating comfort in different areas of your home with Zoned Heating, available with all 'Donobilt' Oil Boilers. Separate zone valves regulate the amount of heated water that flows to each zoned area, and you can control the precise temperature you want in various parts of the house, regardless of outside weather conditions. You can have less heat in rooms that are not normally used during the day, and that saves substantially on fuel costs. Ask your Heating Contractor to plan a zone controlled system for your home that will give you delightfully pleasant and healthful indoor living during the heating season.



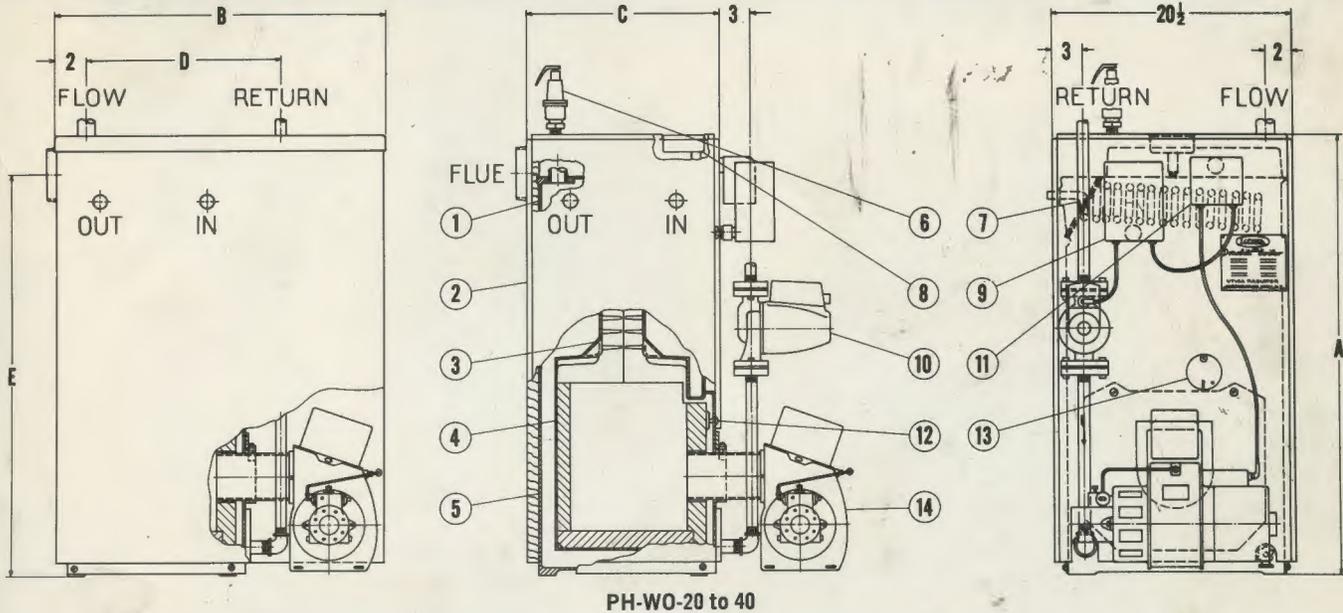
'Free-Floating' Cast Iron Sections—This patented construction provides for independent expansion of the boiler sections and eliminates thermal shock at start of firing period. The unique V-shaped hollow header, rubber-cushioned to the boiler sections, replaces the conventional top nipple and permits unrestricted flow of boiler water between the sections. Durable 'lifetime' cast iron is the ideal metal for home heating units because it heats faster, holds heat longer, never rusts out, never wears out.



Factory assembled, tested and crated — 'Donobilt' Oil Boilers are completely assembled with burner, circulator, wiring, and all controls conveniently mounted and wired on front of boiler. Each packaged unit is carefully inspected and tested before being sturdily crated for shipment. Installation time is substantially reduced. Everything is ready for your contractor, eliminating costly on-the-job assembly of separate parts. You get a factory-engineered and assembled heating unit and you save on installation costs.

'DONOBILT' Oil Packaged Units

Packaged in 6 sizes for Forced Water Circulation - with or without Tankless Heater



PH-WO-20 to 40

RATINGS, DATA and DIMENSIONS

Boiler No.	I-B-R Rating		Net* Sq. Ft. Water	Tankless Heater Size	Pump Size	I-B-R Fir-ing Rate	Flue Size	Chimney Size	Dimensions					Size of Tappings	
	Gross B.T.U.	Net B.T.U.							A	B	C	D	E	Flow	Return
PH&P-WO-20-E	111,000	83,300	555	3 1/4 G.P.M.	1"	1.05	7"	8"x8"x15'	37 1/2"	29"	—	17"	34 1/4"	1 1/2"	1 1/2"
PH&P-WO-20-F	111,000	83,300	555	3 1/4 G.P.M.	1"	1.05	7"	8"x8"x15'	37 1/2"	—	16 3/8"	17"	34 1/4"	1 1/2"	1 1/2"
PH&P-WO-30-E	173,000	129,800	865	4 1/4 G.P.M.	1 1/4"	1.60	8"	8"x8"x15'	40"	38 7/8"	—	25"	35 1/2"	1 1/2"	1 1/2"
PH&P-WO-30-F	173,000	129,800	865	4 1/4 G.P.M.	1 1/4"	1.60	8"	8"x8"x15'	40"	—	24 3/8"	25"	35 1/2"	1 1/2"	1 1/2"
PH&P-WO-40-F	209,000	156,800	1045	5 1/2 G.P.M.	1 1/2"	1.95	9"	8"x8"x15'	40"	—	32 1/2"	33"	35 1/4"	1 1/2"	1 1/2"
PH&P-WO-45-F	232,000	174,000	1160	6 G.P.M.	1 1/2"	2.2	9"	8"x12"x15'	41"	—	32 1/2"	33"	36 1/4"	1 1/2"	1 1/2"
PH&P-WO-50-F	296,000	222,000	1480	7 1/2 G.P.M.	1 1/2"	2.75	9"	8"x12"x15'	41"	—	40 1/2"	41"	36 1/4"	2"	1 1/2"
PH&P-WO-60-F	360,000	270,100	1800	9 G.P.M.	1 1/2"	3.30	9"	8"x12"x15'	41"	—	48 1/2"	49"	36 1/4"	2"	1 1/2"

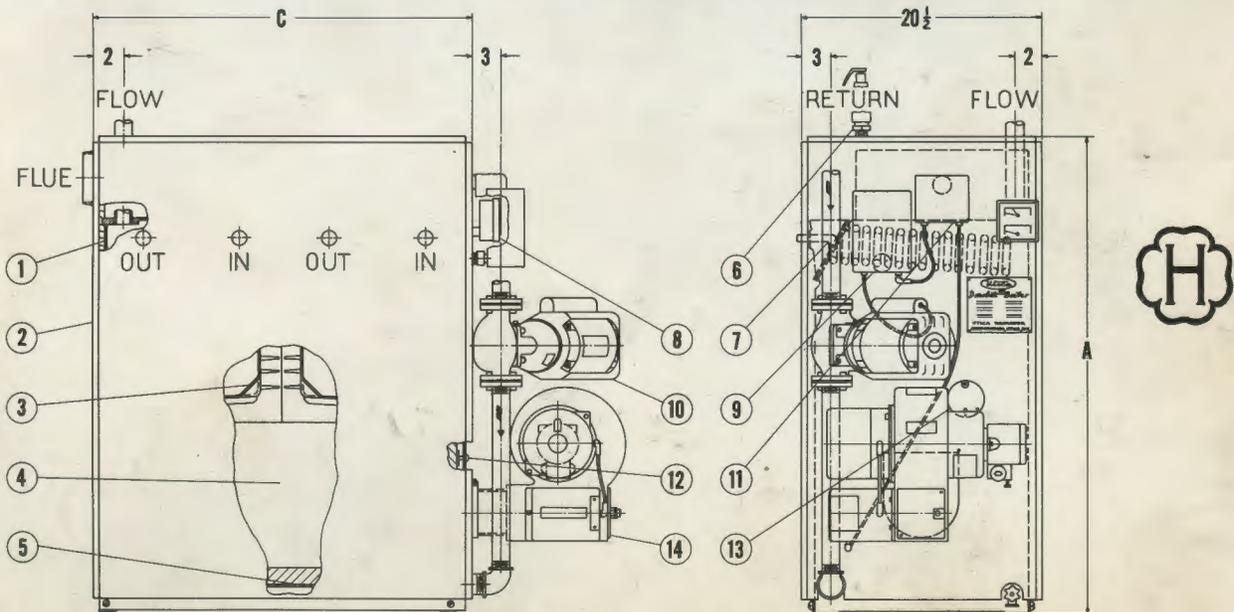
NOTE: PH-WO Packaged Units include Tankless Heater, P-WO Packaged Units less Tankless Heater with Header Plate.

STANDARD EQUIPMENT: 1. Crated Boiler 2. Jacket (Extd. or Flush as listed) 3. Flue Gas Transistor 4. Kiln-baked Refractory† 5. Wet Base Construction 6. A.S.M.E. Relief Valve 7. Tankless Heater 8. Ther-altimeter Gage 9. Triple-Aquastat-Relay 10. Circulator 11. Primary Control 12. Refractory Clamps 13. Observation Port 14. Oil Burner. PLUS, Low Voltage Thermostat, Flow Regulator, Drain Cuck, Draft Control, Wiring Harness and Plastic Cover with 'PH' Packaged Units. Header Plate and Aquastat-Relay with 'P' Packaged Units.

*Based on 170° water in radiators.

†Sizes WO-50 and WO-60 equipped with 3400 R.P.M. Oil Burner—require no combustion chamber. Burner and Circulator packaged separately.

Net I=B=R Ratings include allowance for normal piping loss and pickup load. Utica Radiator should be consulted on installations having unusual piping and pickup requirements.



PH-WO-45 to 60



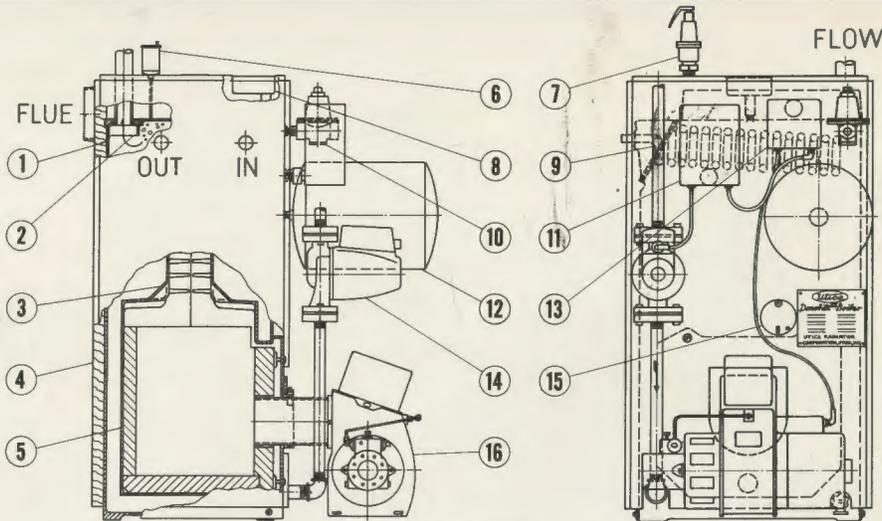
'DONOBILT' Complete Installation Packaged Units

The popular choice for Series Loop Baseboard Installations



Reg. U.S. Pat. Off.

Tested and capacity rated in accordance with the Code of The Institute of Boiler and Radiator Manufacturers.



Constructed and hydrostatically tested in accordance with ASME Boiler Code

PHL-WO-20 and 30

RATINGS, DATA and DIMENSIONS

Boiler No.	I-B-R Rating		Net* Sq. Ft. Water	Tankless Heater Size	Pump Size	I-B-R Firing Rate	Flue Size	Chimney Size	Dimensions					Size of Tappings		Size† Air Cush. Tank
	Gross B.T.U.	Net B.T.U.							A	B	C	D	E	Flow	Return	
PHL&PL-WO-20-E	111,000	83,300	555	3¼ G.P.M.	1"	1.05	7"	8"x8"x15'	37½"	29"	—	17"	34¼"	1½"	1½"	# 15
PHL&PL-WO-20-F	111,000	83,300	555	3¼ G.P.M.	1"	1.05	7"	8"x8"x15'	37½"	—	16¾"	17"	34¼"	1½"	1½"	# 15
PHL&PL-WO-30-E	173,000	129,800	865	4¼ G.P.M.	1¼"	1.60	8"	8"x8"x15'	40"	38⅞"	—	25"	35½"	1½"	1½"	# 30
PHL&PL-WO-30-F	173,000	129,800	865	4¼ G.P.M.	1¼"	1.60	8"	8"x8"x15'	40"	—	24¾"	25"	35½"	1½"	1½"	# 30

NOTE: PHL-WO Packaged Units include Tankless Heater; PL-WO Packaged Units less Tankless Heater with Header Plate.

STANDARD EQUIPMENT: 1. Crated Boiler 2. Boiler Dip Tube 3. Flue Gas Transistor 4. Jacket (Ext'd. or Flush as listed) 5. Kiln-baked Refractory 6. Automatic Air Vent 7. A.S.M.E. Relief Valve 8. Ther-altimeter Gage 9. Tankless Heater 10. Automatic Fill Valve 11. Triple-Aquastat-Relay 12. Air Cushion Tank 13. Primary Control 14. Circulator 15. Observation Port 16. Oil Burner PLUS, Low Voltage Thermostat, Flow Regulator, Drain Cock, Draft Control, Wiring Harness and Plastic Cover on 'PHL' Packaged Units. Header Plate and Aquastat-Relay on 'PL' Package Units.

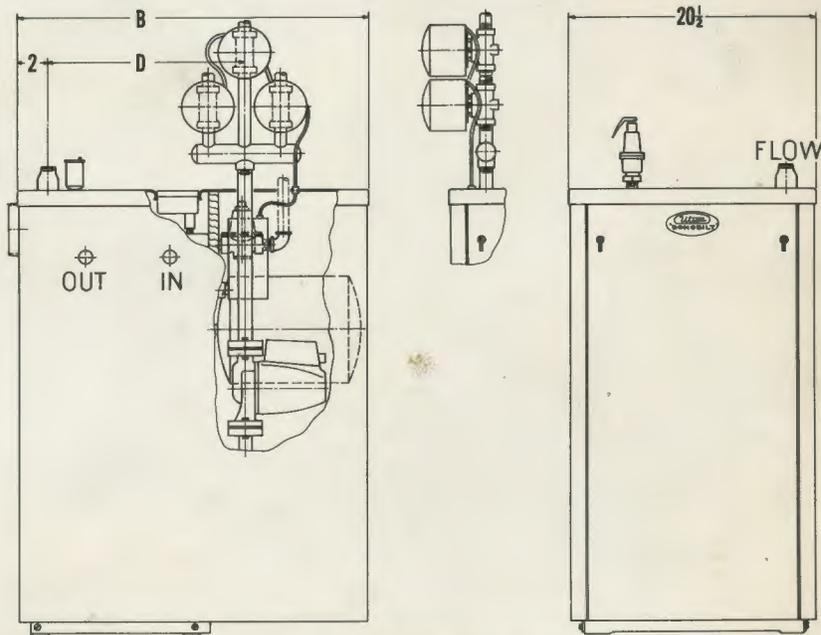
*Based on 170° water in radiators.

†Tank sized for non-ferrous baseboard or radiant panel systems only.

Net I=B=R Ratings include allowance for normal piping loss and pickup load. Utica Radiator should be consulted on installations having unusual piping and pickup requirements.

Packaged Zone Heat

Available with all 'Donobilt' Oil Units. Choice of 2 or 3 PH Zone Valves (¾" female thread) mounted on header and wired at factory. Header may be used on return (as shown) or on flow. Two-wire low-voltage M-H thermostats furnished. Transformer capable of operating up to 3 zone valves, incorporated in the limit control.



3-Zone Valve Installation



UTICA RADIATOR CORPORATION
UTICA, NEW YORK



CAST IRON • WET BASE

OIL BOILER



For Forced Hot Water

Temporary TRADE Price Sheet, May 20, 1963

DONOBILT—Packaged Oil Boiler Units—Factory assembled, wired and crated

FLUSH JACKET Boiler No.	JACKET Trade Price	EXTENDED JACKET Boiler No.	EXTENDED JACKET Trade Price	I-B-R RATING		*Net sq. ft.	Tankless Heater Size	Pump Size	I-B-R Firing Rate	Flue Size	Chimney Size	Approx. Shipping Weight
				Gross b.t.u.	Net b.t.u.							
PH-WO-20F	\$449.00	PH-WO-20 ext	\$460.00	111,000	83,300	555	3½ g.p.m.	1"	1.05	7"	8" x 8" x 15'	600
P-WO-20F	419.00	P-WO-20 ext	430.00	111,000	83,300	555	-----	1"	1.05	7"	8" x 8" x 15'	595
PH-WO-30F	577.00	PH-WO-30 ext	588.00	173,000	129,800	865	4¼ g.p.m.	1¼"	1.65	8"	8" x 8" x 15'	760
P-WO-30F	545.00	P-WO-30 ext	556.00	173,000	129,800	865	-----	1¼"	1.65	8"	8" x 8" x 15'	755
PH-WO-40F	668.00	-----	-----	209,000	156,800	1045	5½ g.p.m.	1½"	1.95	9"	8" x 8" x 15'	940
P-WO-40F	628.00	-----	-----	209,000	156,800	1045	-----	1½"	1.95	9"	8" x 8" x 15'	930
PH-WO-45F	778.00	-----	-----	232,000	174,000	1160	6 g.p.m.	1½"	2.20	9"	8" x 12" x 15'	950
P-WO-45F	738.00	-----	-----	232,000	174,000	1160	-----	1½"	2.20	9"	8" x 12" x 15'	935
PH-WO-50F	898.00	-----	-----	296,000	222,000	1480	7½ g.p.m.	1½"	2.75	9"	8" x 12" x 15'	1125
P-WO-50F	848.00	-----	-----	296,000	222,000	1480	-----	1½"	2.75	9"	8" x 12" x 15'	1100
PH-WO-60F	1020.00	-----	-----	360,000	270,000	1800	9 g.p.m.	1½"	3.30	9"	8" x 12" x 15'	1300
P-WO-60F	960.00	-----	-----	360,000	270,000	1800	-----	1½"	3.30	9"	8" x 12" x 15'	1280
PH-WO-70	1170.00	-----	-----	430,000	322,600	2150	10 g.p.m.	2"	4.05	9"	12" x 12" x 15'	1500
P-WO-70	1100.00	-----	-----	430,000	322,600	2150	-----	2"	4.05	9"	12" x 12" x 15'	1470

STANDARD EQUIPMENT: Crated boiler, jacket (extended or flush), †kiln-baked combustion chamber, theraltimer gauge, A.S.M.E. relief valve, boiler drain, draft control, wiring harness, plastic cover, thermostat, primary control. Oil burner, circulator and connecting piping (not mounted on WO-50, WO-60 and WO-70 units). Tankless heater, flow regulator and triple aquastat relay with PH-WO units. Heater cover plate and aquastat relay with P-WO-units.

†Sizes WO-50, WO-60 and WO-70 equipped with 3400 r.p.m. burner — require no combustion chamber.

DONOBILT—Boiler Unit

FLUSH JACKET Boiler No.	JACKET Trade Price	EXTENDED JACKET Boiler No.	EXTENDED JACKET Trade Price	I-B-R RATING		*Net sq. ft.	Tankless Heater Size	Pump Size	I-B-R Firing Rate	Flue Size	Chimney Size	Approx. Shipping Weight
				Gross b.t.u.	Net b.t.u.							
WO-20F	\$225.00	WO-20 ext	\$236.00	111,000	83,300	555	-----	1"	1.05	7"	8" x 8" x 15'	480
H-WO-20F	255.00	H-WO-20 ext	266.00	111,000	83,300	555	3½ g.p.m.	1"	1.05	7"	8" x 8" x 15'	485
WO-30F	340.00	WO-30 ext	351.00	173,000	129,800	865	-----	1¼"	1.65	8"	8" x 8" x 15'	640
H-WO-30F	375.00	H-WO-30 ext	386.00	173,000	129,800	865	4¼ g.p.m.	1¼"	1.65	8"	8" x 8" x 15'	645
WO-40F	410.00	-----	-----	209,000	156,800	1045	-----	1½"	1.95	9"	8" x 8" x 15'	780
H-WO-40F	450.00	-----	-----	209,000	156,800	1045	5½ g.p.m.	1½"	1.95	9"	8" x 8" x 15'	785
WO-45F	455.00	-----	-----	232,000	174,000	1160	-----	1½"	2.20	9"	8" x 12" x 15'	845
H-WO-45F	495.00	-----	-----	232,000	174,000	1160	6 g.p.m.	1½"	2.20	9"	8" x 12" x 15'	850

STANDARD EQUIPMENT: Assembled boiler, jacket (extended or flush as listed).

Kiln-baked combustion chamber, theraltimeter gauge, ASME relief valve, boiler drain, heater cover plate with WO units. Installed tankless heater with H-WO units.

• • •

FOR SERIES LOOP INSTALLATIONS: Size 20 Boiler: Add \$18.00 to above prices and order with 'L' prefix to include No. 15 air cushion tank, automatic air vent, boiler dip tube and automatic fill valve.

FOR SERIES LOOP INSTALLATIONS: Size 30 Boiler: Add \$22.00 to above prices and order with 'L' prefix to include No. 30 air cushion tank, automatic air vent, boiler dip tube and automatic fill valve.

FOR ZONED SYSTEMS:

SET NO. 1 — Includes two ¾" V8031B zone valves, extra thermostat, transformer, manifold and wiring.....\$61.00

SET NO. 2 — Includes three ¾" V8031B zone valves, two extra thermostats, transformer, manifold and wiring.....\$90.00

*Net installed radiation based on 170° water. I-B-R ratings include allowance for normal piping and pickup load. The Utica Radiator Corporation should be consulted on installations having unusual piping and pickup requirements.

Utica

SERIES '8'
GAS FIRED HOT WATER
BOILERS



COMPACT • EFFICIENT • FULLY AUTOMATIC
Takes up less than **2** square feet of floor space

NOW...a GAS FI designed especially for



Utica Series '8' Gas Fired Boilers provide the finest in modern, hot water heating for small homes, apartment houses and commercial buildings where the heating demands do not require a large unit. Because of their compact size, they are particularly adapted for installations where space is a factor. Their high output furnishes instantaneous heat . . . silently . . . automatically . . . at low cost.



Ideal for small homes. Perfect for houses that have been converted into apartments.



For small motel units, garage apartments. For detached buildings and workshops.



This illustration shows the Utica Series '8' Boiler with Control for use with Natural, Mixed and LP gas.



In apartment houses, each tenant can enjoy the comfort of individual heat control.



For small stores and shops. For any type of building with moderate heating needs.

SPACE-SAVING INSTALLATION

The Series '8' Boiler takes up less than 2 square feet of floor area, and, since it is gas-fired, you need no bulky fuel storage tank. The boiler can be installed in a utility room, basement, corner of the garage, or any other out-of-the-way location.

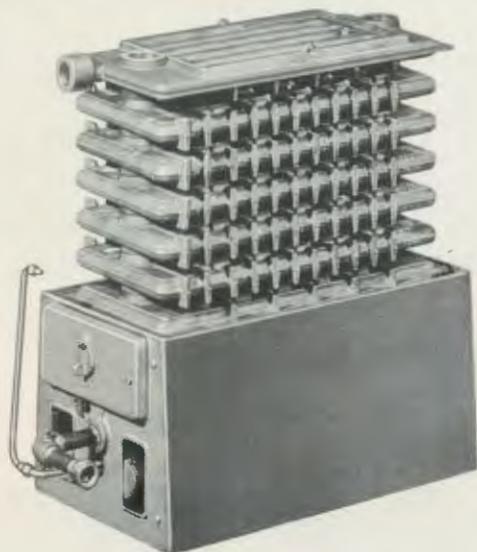
QUICK, CLEAN AUTOMATIC HEAT

When your thermostat calls for heat, the Series '8' Boiler responds instantaneously to maintain an even flow of warmth to every room. You enjoy all the comfort and convenience of fully automatic heat with low fuel cost. And gas heat is clean-burning and odor-free.

RED BOILER

small installations

Features that make the Series '8' Boiler so economical and efficient



Seven-section Boiler assembled without casing and jacket. The sections and base are rugged cast iron. Sections are hydrostatically tested to rigid ASME specifications before and after assembly.

- **FACTORY ASSEMBLED** — Series '8' Boilers are completely equipped with gas burners and controls, thermostatic gauge and ASME relief valve. This simplifies installation and saves you money.
- **RAISED PORT BURNERS** — Burners are accurately sized for the most efficient combustion with each type of gas. Porcelain enamel finish protects burners against rust and corrosion.
- **AUTOMATIC CONTROL** — The finest quality, highly-sensitive controls provide accurate temperature regulation and fuel economy.
- **ATTRACTIVE HAMMERTONE JACKET** — The handsome metal jacket has a baked enamel finish in a rich shade of blue. It is completely insulated to prevent heat loss.

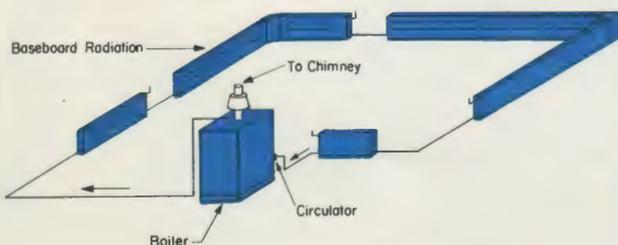


The Utica Series '8' Boiler with control for use with manufactured gas. Attractive cabinet and compact arrangement of accessories provides a neat, self-contained, space-saving installation.

Made of "Lifetime" Cast Iron

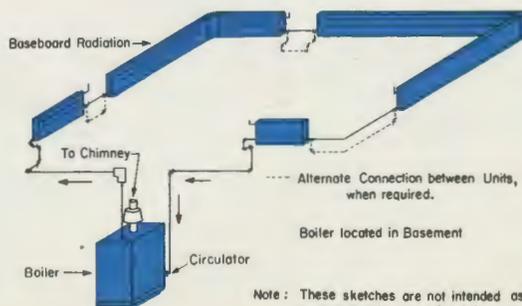
The sections and base of the Utica Series '8' Boiler are made of cast iron — the metal that absorbs heat fast, holds heat longer, never wears out. Thousands of cast iron boilers have been in operation for over half a century and are still providing efficient, economical service.

TYPICAL SINGLE CIRCUIT BASEBOARD LOOP—
SLAB CONSTRUCTION—BOILER ON SAME LEVEL AS HEATING UNITS.



Boiler located in Utility or other convenient Room on Floor Slab.

TYPICAL SINGLE CIRCUIT BASEBOARD LOOP—
BASEMENT CONSTRUCTION—BOILER IN BASEMENT.



Note: These sketches are not intended as installation drawings—full information is given in bulletin on installation instructions.



AGA approved for natural, manufactured, mixed and LP gases — meets National Safety Requirements.



Tested and capacity rated in accordance with the Code of The Institute of Boiler and Radiator Manufacturers.



Constructed and hydrostatically tested in accordance with ASME Boiler Code.

TABLE 1

RATINGS - SERIES '8' BOILERS

BOILER NO.	AGA INPUT Btuh	AGA GROSS OUTPUT Btuh	I-B-R NET OUTPUT Btuh	NET WATER SQ. FT.	WATER CAPACITY QTS.	FLUE PIPE SIZE, INCHES
MANUFACTURED, NATURAL AND MIXED GAS RATINGS						
85	50,000	40,000	30,000	200	4.65	4
87	70,000	56,000	42,000	280	6.50	4
89	90,000	72,000	54,000	360	9.30	5
LP GAS RATINGS						
85	44,000	35,000	26,300	175	4.65	4
87	60,000	48,000	36,000	240	6.50	4
89	80,000	64,000	48,000	320	9.30	5

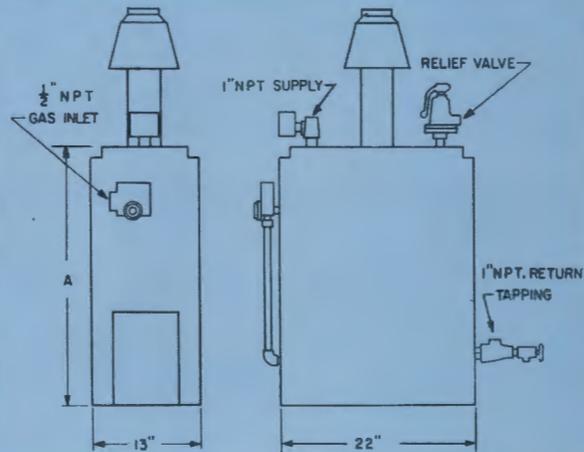
Net installed radiation includes pick-up and piping allowances. These net ratings are based on 170 F average water temperature in radiators with a heat emission rate of 150 Btu water per hour

per square foot of hot water radiation. In selecting boiler size, correct connected load to the design temperature of the system.

TABLE 2

DIMENSIONS - SERIES '8' BOILERS

BOILER MODEL NUMBER	DISTANCE FROM FLOOR IN INCHES		
	85	87	89
Height to top of jacket (Dim "A")	25¾	29¾	36¾
Relief valve opening	27¾	31¾	38¾
1" Supply tapping	29½	33½	40½
1" Return tapping	9	9	10
Flue Pipe	40¼	44¼	53½
Nat., Mxd. & LPG Manifold ½" NPT	19	23	30
Mfg. Gas Manifold ½" NPT	12½	12½	12½



STANDARD EQUIPMENT INCLUDES:

Boiler, burners, controls with piping, theraltimeter gauge, ASME relief valve, draft diverter, and enameled steel jacket.

HOW TO ORDER:

1. Order by boiler Model Number.
2. Specify whether for use with Natural, Mixed, Manufactured, or LP gas.



UTICA RADIATOR CORPORATION
UTICA, NEW YORK

TRADE PRICE SHEET — May 1, 1961



SERIES "8" GAS BOILERS

CAST IRON — Compact — For Forced Hot Water



A.G.A. approved for natural, manufactured, mixed and LP gases — meets National Safety Requirements.



Tested and capacity rated in accordance with the Code of The Institute of Boiler and Radiator Manufacturers.



Constructed and hydrostatically tested in accordance with ASME Boiler Code.

FACTORY ASSEMBLED and JACKETED — with CONTROLS MOUNTED

BOILER* No.	A.G.A. RATING		I-B-R Net Output b.t.u. per hr.	Net Water sq. ft.	TRADE PRICES		Approx. Shipping Weight
	Input b.t.u. per hr.	Gross Output b.t.u. per hr.			With Unitrol System	† With 24 Volt System	
NATURAL, MANUFACTURED & MIXED GAS RATINGS							
85	50,000	40,000	30,000	200	\$155.00	\$180.00	195
87	70,000	56,000	42,000	280	170.00	195.00	230
89	90,000	72,000	54,000	360	—	210.00	295
LP GAS RATINGS							
85	44,000	35,200	26,300	175	155.00	180.00	200
87	60,000	48,000	36,000	240	170.00	195.00	235
89	80,000	64,000	48,000	320	—	210.00	295

STANDARD EQUIPMENT INCLUDES: Blue hammertone baked-enamel jacket, flue collector, draft diverter, high efficiency drilled port enameled burners, automatic gas valve, safety pilot, gas pressure regulator, main shut-off gas valve, theraltimeter, ASME relief valve, drain cock. On 24 Volt system — combination relay and high limit control plus pilot shut-off valve.

COMPLETELY PACKAGED and WIRED with 1-inch CIRCULATOR

BOILER* No.	A.G.A. RATING		I-B-R Net Output b.t.u. per hr.	Net Water sq. ft.	TRADE PRICES		Approx. Shipping Weight
	Input b.t.u. per hr.	Gross Output b.t.u. per hr.			With Unitrol System	† With 24 Volt System	
NATURAL, MANUFACTURED & MIXED GAS RATINGS							
P-85-PAK	50,000	40,000	30,000	200	\$220.00	\$245.00	225
P-87-PAK	70,000	56,000	42,000	280	235.00	260.00	260
P-89-PAK	90,000	72,000	54,000	360	—	275.00	325
LP GAS RATINGS							
P-85-PAK	44,000	35,200	26,300	175	220.00	245.00	230
P-87-PAK	60,000	48,000	36,000	240	235.00	260.00	265
P-89-PAK	80,000	64,000	48,000	320	—	275.00	325

STANDARD EQUIPMENT INCLUDES: Blue hammertone baked-enamel jacket, flue collector, draft diverter, high efficiency drilled port enameled burners, automatic gas valve, safety pilot, gas pressure regulator, main shut-off gas valve, theraltimeter, ASME relief valve, drain cock. 1-inch circulator, connecting piping, wiring harness and thermostat. On 24 Volt system — combination relay and high limit control plus pilot shut-off valve.

NOTE: For elevations above 2,000 feet, ratings should be reduced at the rate of 4 percent for each 1,000 feet above sea level.

Order by Boiler No., specify type of gas and type of control system.

* Only Boiler Nos. with suffix "C" are approved for installation on combustible flooring and are provided with a special base at \$3.75 extra cost.

† "Powerpile" controls available on special order.

UTICA RADIATOR CORPORATION

UTICA, NEW YORK

**A distinctive new concept
in modern heating...**



STARFIRE

OIL BURNING BOILER



**Beauty and efficiency
combined in a cast-iron
boiler specifically
designed for oil firing**

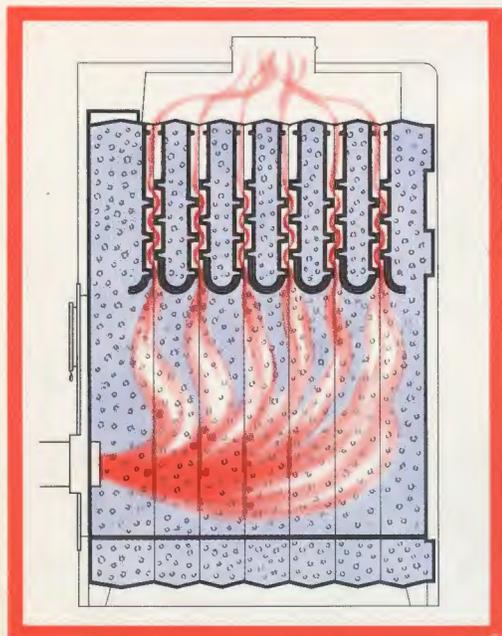
**Hot Water or Steam
in all sizes**

**UTICA RADIATOR CORPORATION
UTICA, NEW YORK**



STARFIRE BOILER

with revolutionary new **"Slo-flo"** baffles that extract more heat from every fuel dollar



The Utica Starfire Boiler is entirely new in advanced heating design. It combines in one smartly-styled, handsomely-finished unit the two most desirable features for economical, efficient operation . . . vertical flue travel plus cast-iron wet-base construction!

The cross-section view at the left shows you how the heat from the burner flame spreads outward and upward to pass over every inch of water-backed heating surface— then circulates slowly between alternate heat-absorbing fins and water-backed baffles that are an integral part of the sections. This winding flue travel slows down the hot gases and absorbs more heat — provides low stack temperatures and low draft loss for greater efficiency and fuel saving! It is the ideal boiler for today's modern home because it permits lower chimney heights that conform to the ranch-type and one-floor house designs!

Only with cast-iron wet base construction are you assured of ideal heating efficiency. Water in the boiler sections completely surrounds the combustion chamber, providing the maximum heat absorption at the area of greatest heat output. Wet-base construction permits installation in utility rooms and first floor areas without costly fireproofing!

UTICA STARFIRE BOILER

Flush-Jacketed Model

The Utica Starfire Boiler is available with flush jacket with burner exposed, or with extended jacket with burner concealed. Whichever unit is selected, the Starfire Boiler brings the finest in radiant heating comfort within the range of the most modest budget. The durable, richly-finished Hammertone Blue jacket is thoroughly insulated against heat loss. The sturdy cast-iron construction assures a lifetime of trouble-free service. Low and compact in size, with all controls conveniently located on the front of the boiler, it can be installed close to the wall and the chimney because of its vertical smoke hood.

Boiler sections are lighter, smaller and easier to handle, and to simplify installation the boiler is shipped completely assembled. The oil burner unit is engineered for the most efficient operation with each boiler, and is bracket-mounted on the face of the boiler. The pre-cast, "tailor-made" combustion chamber is specially designed for the Starfire Boiler. It insures clean, efficient combustion, and simplifies installation. Finest quality, highly sensitive controls maintain the most accurate operating temperatures.



Features that make the **STARFIRE** best for performance...best for economy

Vertical Flue Travel — The self-cleaning "Slo-flo" baffle action, combined with a maximum of prime heating surface, absorbs the greatest amount of heat.

Wet Base Design — Boiler water completely surrounds combustion chamber. Heat transfer is rapid and highly efficient.

Durable Cast-Iron Construction — Made of "Life-time" cast-iron that heats fast, holds heat longer. Sections are sturdy, yet lighter, and completely assembled for easy installation.

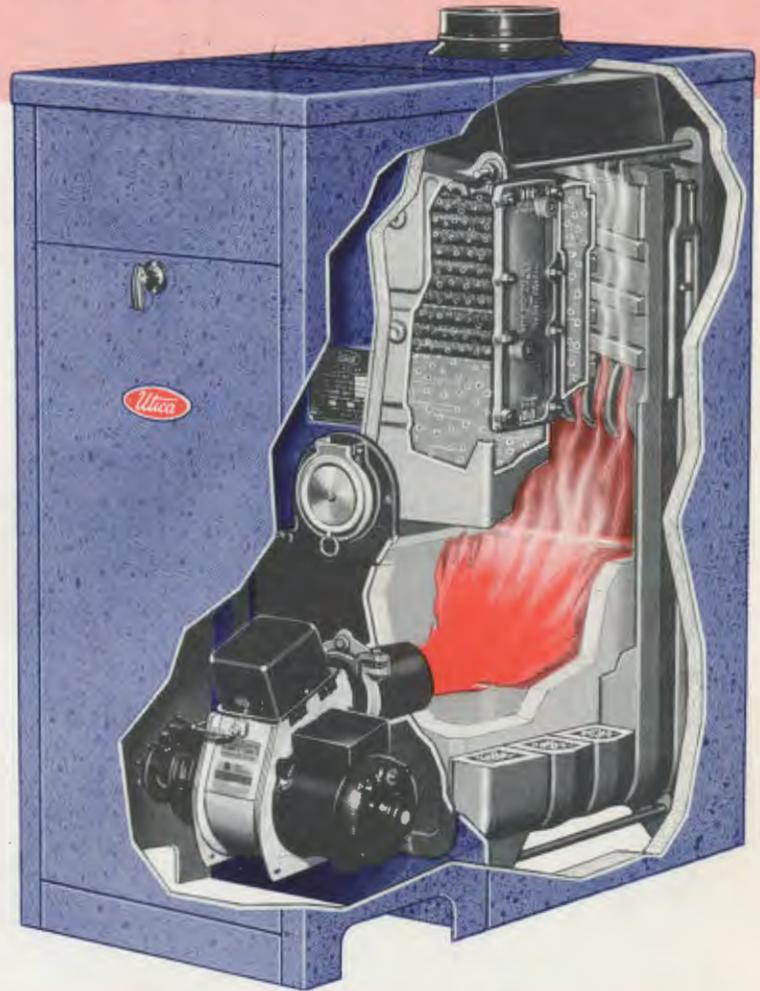
Handsome Blue Hammertone Jacket is distinctive and simple in design — Fits in perfectly in modern basement recreation rooms.

Completely insulated against heat loss — A thick $1\frac{1}{2}$ " blanket of glass wool faced with aluminum foil surrounds the boiler on four sides and top — reduces heat loss to a minimum — provides low standby loss in summer-winter domestic water hookup.

Pre-cast Combustion Chamber — Installation is simplified with a two-piece combustion chamber that is specially designed for efficient, complete combustion.

Oil Burner engineered for low-cost operation — The oil burner unit is designed for quiet, efficient trouble-free firing with each size boiler.

Vertical Flue Outlet permits compact installation — Boiler can be located close to wall and near to chimney, saving space and installation costs. Access door on side of boiler for easy flue cleaning.

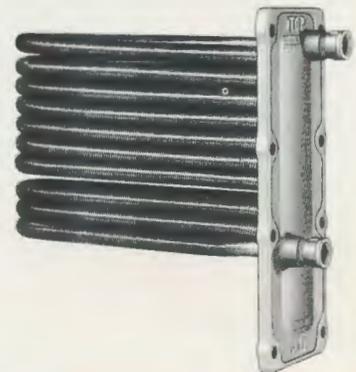


Cut away view of the Utica Starfire Boiler with extended jacket — Here you can see the construction and design features that make the Starfire Boiler so efficient and so economical to operate. Notice particularly the convenient location of the tankless heater, the slow, effective travel of hot gases as they pass around the "Slo-flo" baffles, the combustion chamber area that is completely surrounded with water for rapid and efficient heat transfer!



Built-in Tankless Heater furnishes year 'round hot water for domestic use!

Instantaneous hot water for household use at the turn of a faucet . . . winter or summer! That's the convenient feature offered in a choice of 2 all-copper-coil heaters with a capacity of 3 or 4 gallons per minute. The heater can be used on either hot water or steam systems by simply reversing the position it is installed in the boiler.



Look for the name



for the finest in Heating

UTICA STARFIRE BOILER



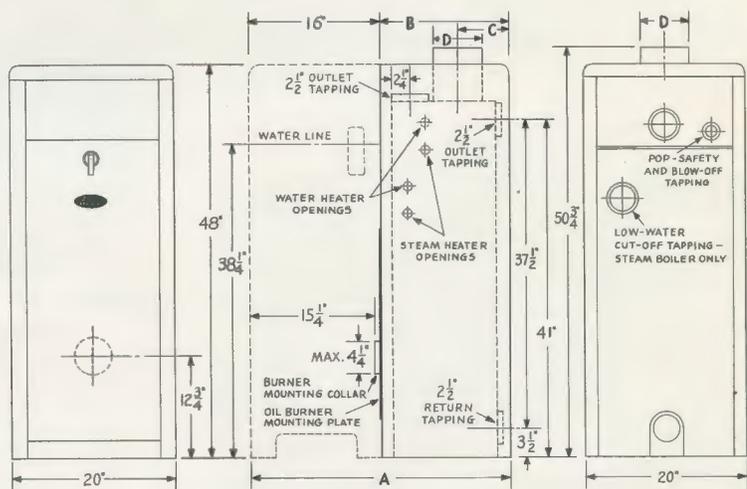
RATINGS and DATA

WATER		STEAM		I-B-R OUTPUT		CHIMNEY SIZE	I-B-R FIRING RATE
Boiler No.	Net Rating Sq. Ft.	Boiler No.	Net I-B-R Rating Sq. Ft.	Gross BTU Per Hr.	Net BTU Water or Steam Per Hr.		
03-W	445	03-S	278	89,000	66,800	8" x 8" x 15'	.90
04-W	610	04-S	381	122,000	91,500	8" x 8" x 15'	1.20
05-W	765	05-S	478	153,000	114,800	8" x 8" x 15'	1.50
06-W	925	06-S	578	185,000	138,800	8" x 8" x 15'	1.80
07-W	1080	07-S	675	216,000	162,000	8" x 8" x 15'	2.10

Net I-B-R Ratings shown include allowance for normal piping loss and pick-up load. Net water ratings are based on 170° F. average water temperature in radiators with a net heat transmission of 150 BTU.

DIMENSIONS

Unit	A	B	C	D
	Length, Including Extended Jacket	Length of Flush Jacket	Back of Casing to Center Line of Flue Outlet	Diam. of Flue Outlet
03	32 1/4"	16 1/4"	7"	6"
04	36 1/4"	20 1/4"	9"	7"
05	40 1/4"	24 1/4"	11"	7"
06	44 1/4"	28 1/4"	13"	8"
07	48 1/4"	32 1/4"	15"	8"



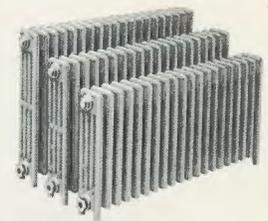
For the finest in heating
Install a complete
UTICA Heating System



Utica Hi and Lo Radiant Baseboard Panels



Utica Radiant Radiators



Utica Radiators



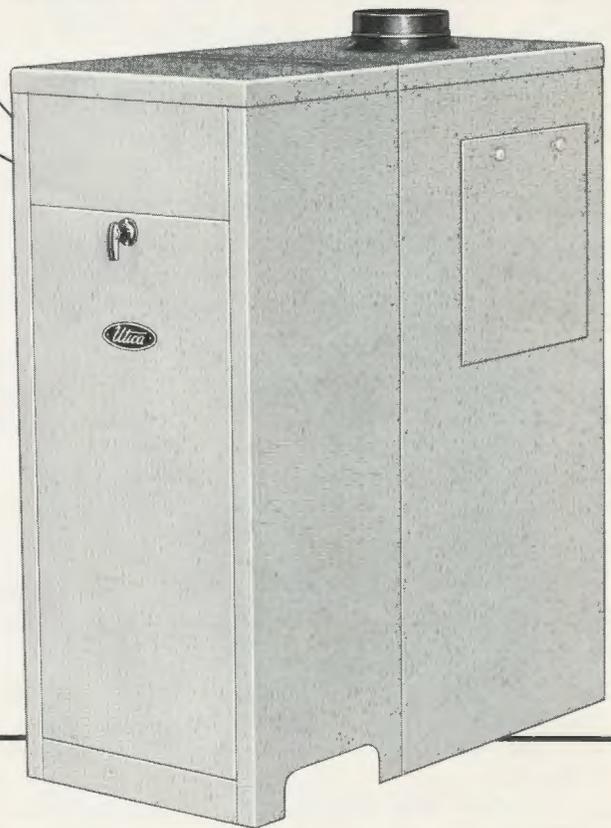
UTICA RADIATOR CORPORATION
UTICA, NEW YORK

INSTALLATION and OPERATING INSTRUCTIONS

REPAIR PARTS PRICE LISTS



STARFIRE OIL BURNING BOILER

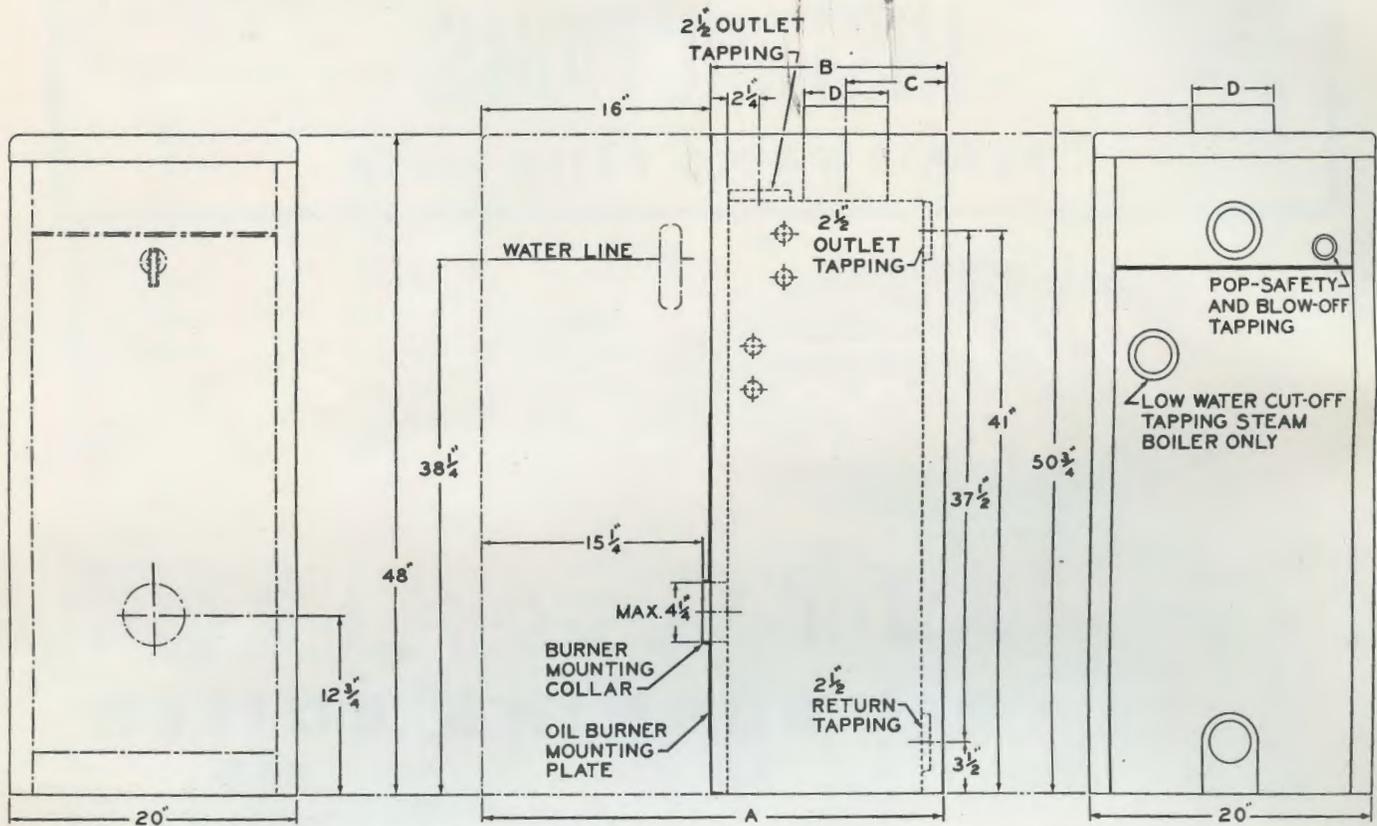


**For Hot Water or Steam
in all sizes**

**Cast Iron - Wet Base -
Vertical Flue Travel**

**UTICA RADIATOR CORPORATION
UTICA, NEW YORK**

DIMENSIONS



UNIT	A LENGTH INCLUDING EXTENDED JACKET	B LENGTH OF FLUSH JACKET	C BACK OF CASING TO CENTER LINE OF FLUE OUTLET	D DIAMETER OF FLUE OUTLET
3 Section	32 1/4"	16 1/4"	7"	6"
4 Section	36 1/4"	20 1/4"	9"	7"
5 Section	40 1/4"	24 1/4"	11"	7"
6 Section	44 1/4"	28 1/4"	13"	8"
7 Section	48 1/4"	32 1/4"	15"	8"

OIL FIRED WATER or STEAM BOILER — Sizes 3 to 7

IMPORTANT

SHIPMENT CONSISTS OF THE FOLLOWING PACKAGES:

- 1—Battery of Sections.
- 1—Carton marked "Flush Jacket".
- 1—Carton marked "Oil Burner Mounting Plate".
- 1—Carton marked "Flue Collector".
- 1—Carton marked "Refractory Combustion Chamber".
- 1—Carton marked "Trim".

OPTIONAL PACKAGES as ordered:

- 1—Carton marked "Oil Burner & Controls" (Shipped only with Boiler-Burner Units).
- 1—Carton marked "Extension Jacket".
- 1—Carton marked "Tankless Water Heater".

UNPACK SHIPMENT CAREFULLY AND INSPECT FOR DAMAGE. All goods are carefully manufactured, inspected, checked and packed by experienced workmen. Our responsibility ceases upon delivery of goods to the carrier in good condition. Any claims for damage, shortages in shipment or non-delivery must be filed immediately against carrier by the consignee. Claims for errors or shortages in packing must be noted on packing list which must accompany claim. No claim will be allowed unless presented within sixty days after receipt of goods.

INSTALLATION

For easy, fast installation and for best operating results, follow the order of detailed steps carefully.

1. LOCATE BOILER on level solid base as close to chimney as practicable. Consider the installation of the flue pipe, barometric draft and oil burner control. Allow at least 24" at front of casing for service of burner and controls and 24" at right side for cleaning boiler. Because of its wet base feature this boiler may be installed on a combustible floor.

2. INSTALL TANKLESS HEATER OR COVER PLATE. Use eight $\frac{3}{8}$ " x $1\frac{1}{2}$ " square head bolts and nuts. On steam installations the word "Steam" on heater plate must be in "TOP" position. On hot water installation the words "HOT WATER" on heater plate must be in "TOP" position. Illustration #1.

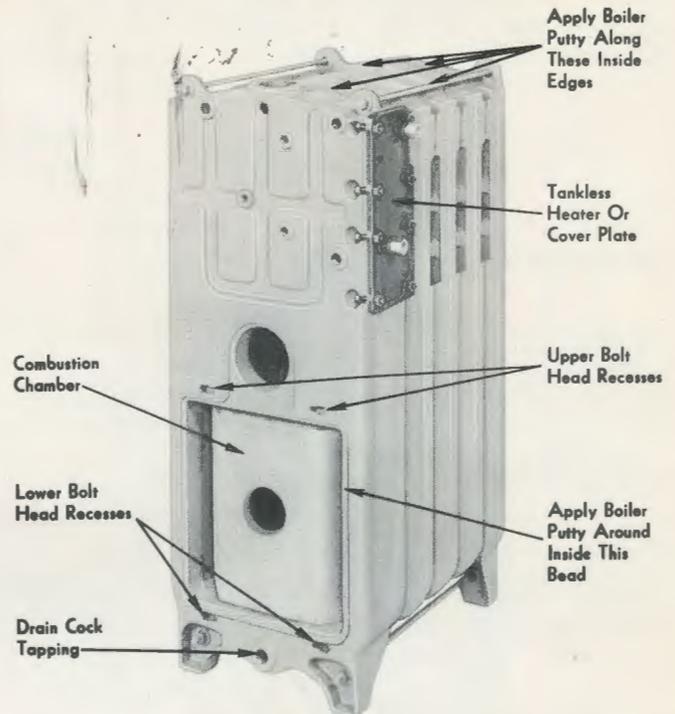


Illustration #1

3. TEST BOILER for leaks before installing controls, trim and casing. Avoid water pressures higher than 60 pounds per square inch. It is advisable to CONNECT BOILER TO HEATING SYSTEM before installing casing. (For recommended piping, see piping diagram page 8).

4. INSTALL COMBUSTION CHAMBER after "buttering" joint edges of chamber with cement provided. After starting rear half of chamber into opening, place front half in position and slide complete chamber back until front face of chamber is $\frac{1}{4}$ " beyond face of front section. Illustration #1.

5. INSTALL FLUE COLLECTOR on top of boiler after applying sufficient boiler putty to areas indicated in Illustration #1 and fasten, using four clamps and $\frac{3}{8}$ " x $1\frac{1}{2}$ " bolts provided. Start bolts into recessed side of clamps, then place plain end of clamps under tie rods between intermediate sections and over flue collector flange. Slide clamps to front and rear ends of collector and tighten. Illustration #2.

6. INSTALL CLEANOUT COVER PLATES with hook end at bottom between sections after applying boiler putty to groove in cover plate. Fasten using $\frac{1}{4}$ " x 1" bolts and brass nuts as shown. Smaller Plate is to be installed on front opening. Illustrations #2 and 3.

7. INSTALL PARTIAL TRIM ON FRONT SECTION as follows (Illustration #2):

A. STEAM—

1. Screw $\frac{1}{2}$ " x $\frac{1}{4}$ " Bushing into upper left hand tapping (Pressure control).

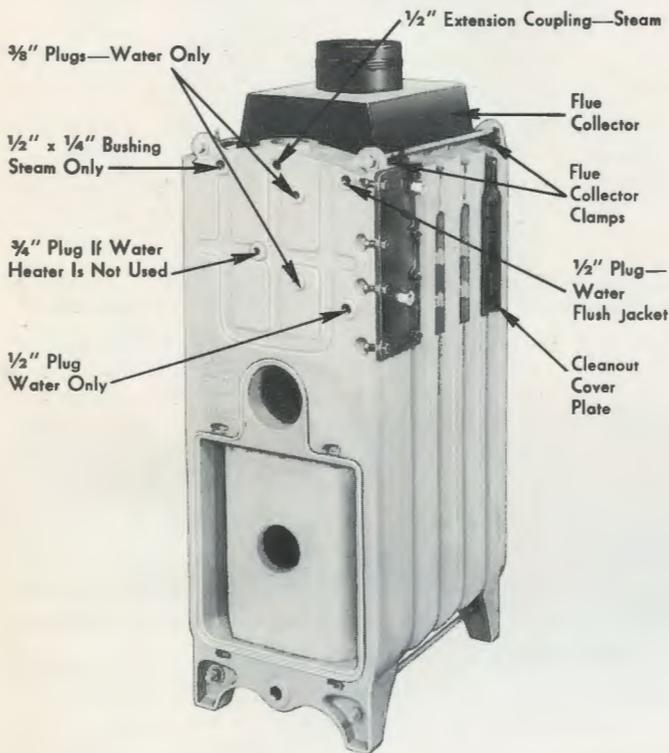
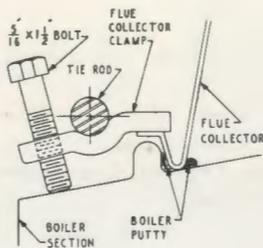


Illustration #2

2. Screw $\frac{1}{2}$ " Extension Coupling into top center tapping. (Gauge).
3. If water heater is not to be used, screw plug into $\frac{3}{4}$ " lower left tapping.

B. HOT WATER—

1. Screw two $\frac{3}{8}$ " plugs into $\frac{3}{8}$ " tappings.
2. Screw two $\frac{1}{2}$ " plugs into $\frac{1}{2}$ " tappings at right.
3. Reset two $2\frac{1}{2}$ " and screw one $1\frac{1}{4}$ " plugs into upper tappings in REAR SECTION.
4. If water heater is not used, screw plug into $\frac{3}{4}$ " lower left tapping.

8. INSTALL OIL BURNER MOUNTING PLATE to jacket front with 7 #10 x $\frac{3}{4}$ " sheet metal screws.

9. APPLY BOILER PUTTY to front section inside of bead around opening. Illustration #1.

10. INSTALL JACKET FRONT with oil burner mounting plate attached, to front section, after first having placed the square heads of four $\frac{3}{8}$ " x $2\frac{1}{2}$ " bolts into bolt head recesses. Place holes in plate over bolts and secure, using $\frac{3}{8}$ " hex nuts, making sure flange of plate fits inside of bead on the front section. Illustration #3.

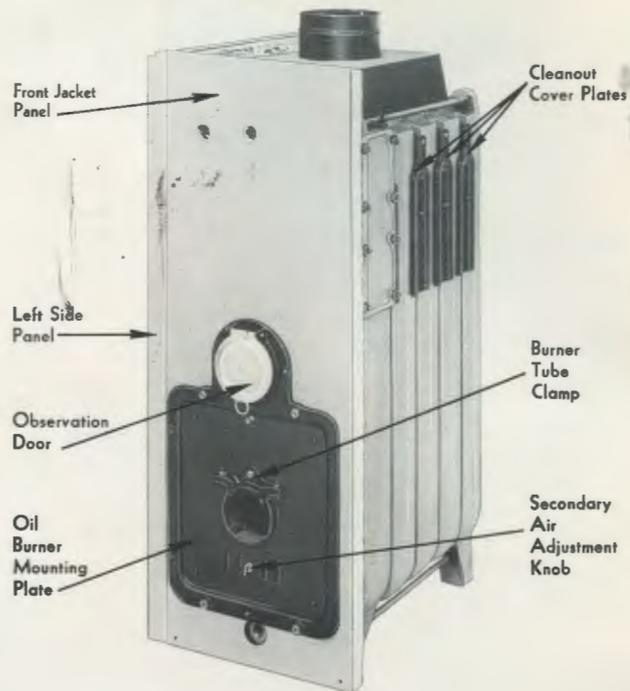


Illustration #3

11. INSTALL SIDE PANELS (panel with access door for cleanout on right side—remove knockouts for water heater, if used) by fitting side panels under edge of jacket front and fasten with #10 x $\frac{1}{2}$ " sheet metal screws. Illustration #4.

12. INSTALL LOWER REAR PANEL. (If Low Water Cut-Off is to be installed, remove knockout.) Fit panel into slip joints of side panels. Do not fasten with screws at this time. Illustration #5.

13. INSTALL UPPER REAR PANEL. If rear outlet is used on steam installation, remove necessary knockouts and cut bottom of panel to fit over supply pipe. Line up holes in Upper and Lower Rear Panels and fasten panels together using #10 x $\frac{1}{2}$ " sheet metal screws. Spread top of side panels so as to enter Upper Panel into Side Panel slip joints. Fasten Lower Rear Panel using #10 x $\frac{1}{2}$ " sheet metal screws into Side Panel Flange. Illustration #5.

14. PLACE TOP INSULATION on Flue Collector. Illustration #4.

15. PLACE LEFT TOP PANEL over upper edges of Front, Rear and Side Panels. Place Right Top Panel over other panels as above and fasten Front and Rear Flanges of Top Panel to Upper Front and Rear Panels using #10 x $\frac{1}{2}$ " Sheet Metal Screws. Illustrations #5 and 6.

16. INSTALL REMAINDER OF TRIM as follows:
Hot Water—(Illustration #6).

A. WITHOUT WATER HEATER

1. TIGHTEN COMBINATION ALTITUDE GAUGE AND THERMOMETER into upper center tapping.
2. INSTALL HIGH LIMIT CONTROL by first removing well from element and insert well into Upper Left tapping and tighten. Insert element into well and tighten set screw.

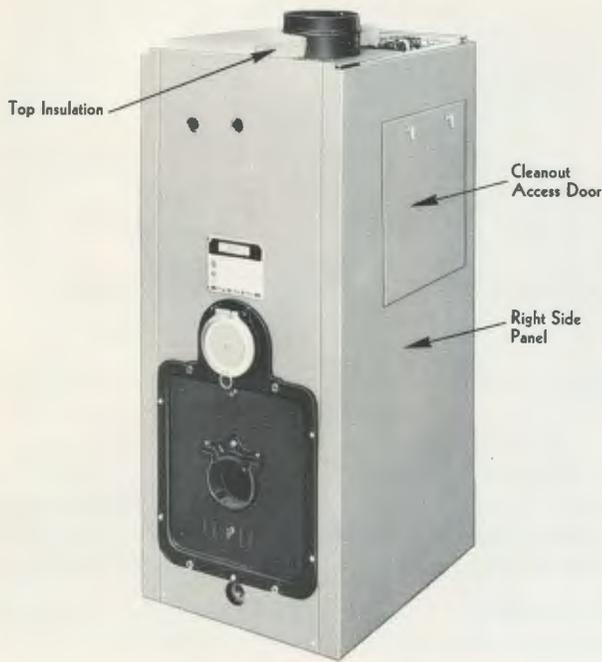


Illustration #4

B. WITH TANKLESS HEATER AND CIRCULATOR

1. FOLLOW STEPS 1 AND 2 as above.
2. INSTALL COMBINATION LOW LIMIT AND CIRCULATOR CONTROL by first removing well from element and insert well into Lower Left tapping and tighten. Insert element into well and tighten set screw.

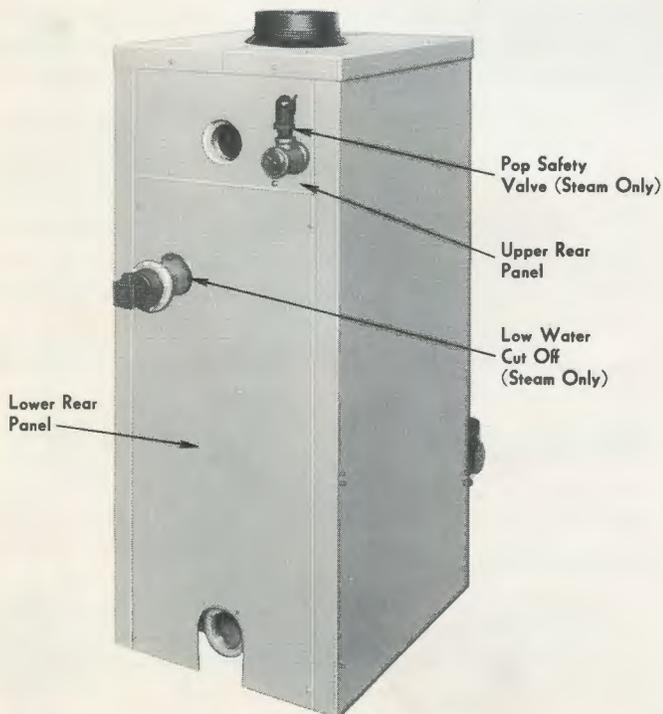


Illustration #5

3. INSTALL HIGH LIMIT CONTROL by first removing well from element and insert well into upper right tapping and tighten. Insert element into well and tighten set screws.

Steam

A. WITHOUT WATER HEATER

1. SCREW STEAM PRESSURE CONTROL into 1/2" bushing in upper left hand Tapping.
2. SCREW STEAM PRESSURE GAUGE into 1/2" Pipe Extension in Front Section.
3. SCREW TRY COCKS into 3/8" tappings in Front Section.
4. SCREW GAUGE GLASS FITTINGS (one with petcock at bottom) into 1/2" tappings in Front Section. Install Gauge Glass and Guards.
5. INSTALL LOW WATER CUT-OFF in 2 1/2" tapping in Rear Section. (Follow Manufacturer's instructions).
6. INSTALL POP SAFETY VALVE into 3/4" tapping of tee after first screwing 1 1/4" x 2" pipe nipple and 1 1/4" x 1 1/4" x 3/4" tee into 1 1/4" tapping in rear section. Plug open end of blow off tee. (See Illustration #5).

B. WITH TANKLESS HEATER

1. FOLLOW STEPS 1 to 6 inclusive as above.
2. INSTALL LOW LIMIT CONTROL by first removing well from element and inserting well into lower left tapping on front section and tighten. Insert element into well and tighten set screw.

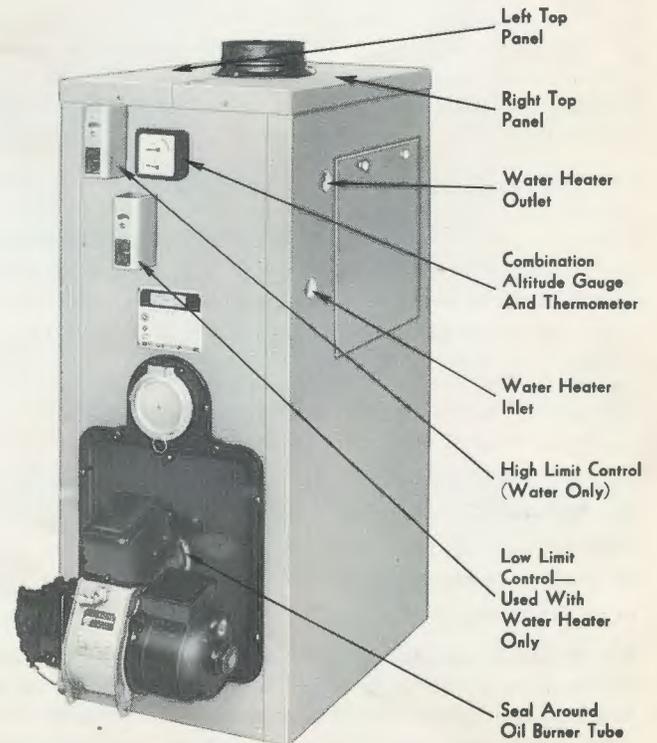
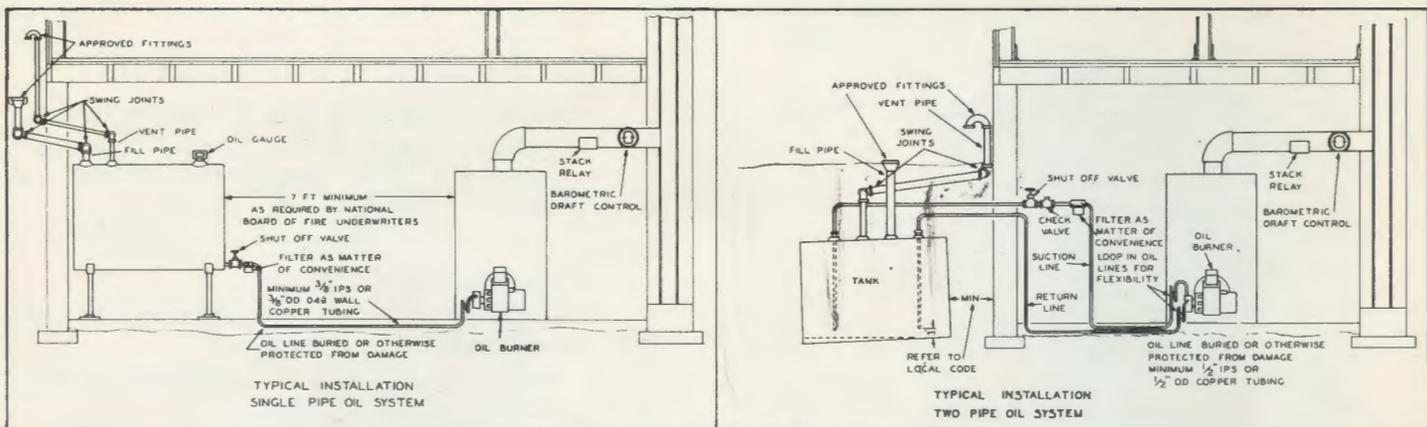


Illustration #6



Typical Installation

17. ATTACH OIL BURNER. Lift Burner Tube Clamp to uppermost position and lock by tightening center bolt. Insert air tube of burner into opening so that end of tube is flush with inside wall of combustion chamber. While holding up on blower housing of burner, tighten Burner Tube Clamp Bolts. Burner air tube should pitch slightly downward toward combustion chamber. Seal around air tube using asbestos rope or other convenient means.

18. INSTALL BURNER NOZZLE by removing firing assembly from burner and screwing nozzle into nozzle adaptor making sure that joint is tight. Replace firing assembly. Be sure oil connections are tight.

19. INSTALL TANK AND OIL LINES. Oil storage tank should be of an approved type installed in accordance with the National Board of Fire Underwriters and Local Regulations. (See typical installation above). In accordance with standards of the National Board of Fire Underwriters, inside tanks should be at least seven (7) feet from burner, convenient for installing the fill, vent and feed lines. The fill and vent lines should be run to a convenient outdoor location and should slope downward to tank. They should terminate in approved fittings. Oil lines to burner should be buried or otherwise protected from mechanical injury.

20. CONNECT FLUE PIPE TO CHIMNEY after inspecting chimney for obstructions or restrictions. Clean chimney and base if necessary. Install flue pipe from flue outlet to chimney, sloping flue pipe upward continuously toward chimney. Bolt or screw joints together to avoid sag. Flue pipe should not extend beyond inside wall of chimney. Do not reduce size of flue outlet. No stove, heater or fireplace should be connected to the flue serving the boiler. Protect combustible ceiling or walls within eighteen (18) inches of flue pipe with asbestos or other fireproof insulation.

21. INSTALL OIL BURNER CONTROL AND BAROMETRIC DRAFT CONTROL in flue between unit and chimney in accordance with instructions supplied with controls. See typical installation above.

22. INSTALL ROOM THERMOSTAT on an inside wall about five (5) feet above floor. Never install thermostat on an outside wall or where it will be influenced by drafts, concealed hot or cold pipes, radiators, lighting fixtures, radio or television, rays of the sun or near a fireplace. Keep large furniture away from thermostat so there is free movement of room air around this control.

23. INSTALL ELECTRICAL WIRING in accordance with National Electric Code and/or Local Regulations. A fused Disconnect switch should be used in a separate circuit from meter. Wiring should conform with wiring diagram on Page 9.

24. LUBRICATE burner motor, and circulator if used, with a good grade SAE #10 Motor Oil before starting.

25. INSTALLATION OF EXTENSION JACKET.

A. INSTALL LOCKING CHANNEL under sheet metal screws in Lower Front Panel of Boiler Jacket at floor but do not tighten screws at this time.

B. LOOSEN SHEET METAL SCREWS IN FRONT OF TOP PANEL.

C. ASSEMBLE UPPER FRONT PANEL to the two Side Panels with double flanged side down. Fasten to both sides, using #10-24 x 1/2" Round Head Screws and Nuts. For Steam Boiler Remove Knockout for Gauge Glass.

D. ATTACH LOWER FRONT PANEL to both Side Panels using #10-24 x 1/2" Round Head Machine Screws.

E. ATTACH TOP PANEL to Side Panels with square edge at rear and fasten Side Panels using #10 x 1/2" sheet metal screws.

F. PLACE ASSEMBLED EXTENSION JACKET in position by hooking slots in Top Panel Rear Flange over loosened screws in Top Panel of Boiler, then spread Side Panels at lower rear and slip flanges on Side Panels behind Locking Channel. Tighten screws in Top Panel and Locking Channel.

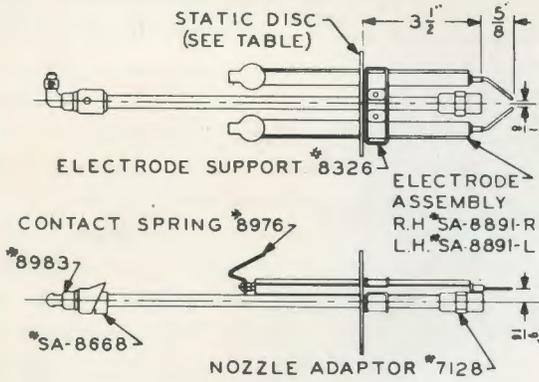
G. INSTALL FRONT DOOR after attaching handle to door with #6 x 1/4" screws and nuts. Adjust latch on handle shaft to suit offset in upper front extension panel.

OPERATING & MAINTENANCE INSTRUCTIONS

CONTROL ADJUSTMENT

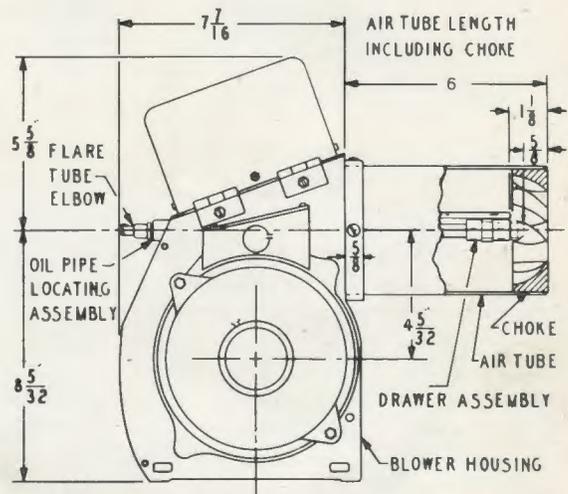
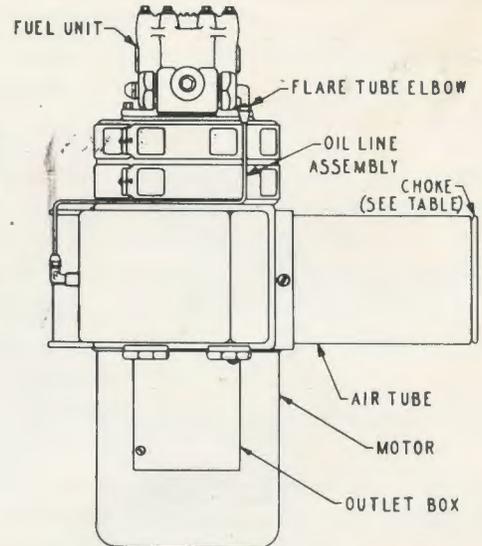
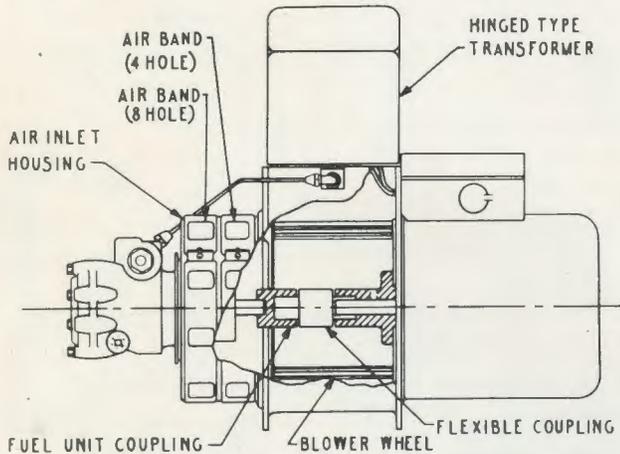
1. Controls should be set to suit the installation. On installations with water heater make sure high limit control is still "made" after low-limit control is satisfied (allow approximately 20° for override).

2. Settings and adjustment of controls should be made in accordance with instructions furnished with the individual control.



DRAWER ASSEMBLY

BOILER SIZE	STATIC DISC	CHOKE
3-SECTION	#7397 3 1/2" SOLID RED	#8269 2 1/2" GREEN
4-SECTION	#7914 2 3/4" PERF. BROWN	#8269 2 1/2" GREEN
5-SECTION	#7914 2 3/4" PERF. BROWN	#8269 2 1/2" GREEN
6-SECTION	#7914 2 3/4" PERF. BROWN	#8269 2 1/2" GREEN
7-SECTION	#7914 2 3/4" PERF. BROWN	#7305 3" BLUE



Oil Burner Details

VENTILATION

1. Sufficient air to properly support combustion must be provided. If ventilation is inadequate, properly screened opening should be provided.

OIL BURNER ADJUSTMENT AND MAINTENANCE

1. Adjustment of oil firing rate, atomizing pressure, air and draft should be made by a competent service man to provide a non-smoky, efficient flame.
2. If pulsation is evident, adjust flame, open secondary air shutter by loosening knob and sliding to the right until this condition is eliminated. Tighten knob and recheck flame.
3. Periodically clean the nozzle, nozzle strainer, ignition electrodes, blower wheel and all strainers or filters in the fuel unit and oil line.
4. Lubricate motor bearings twice each year using a good grade SAE #10 motor oil.

OIL BURNER CONTROL

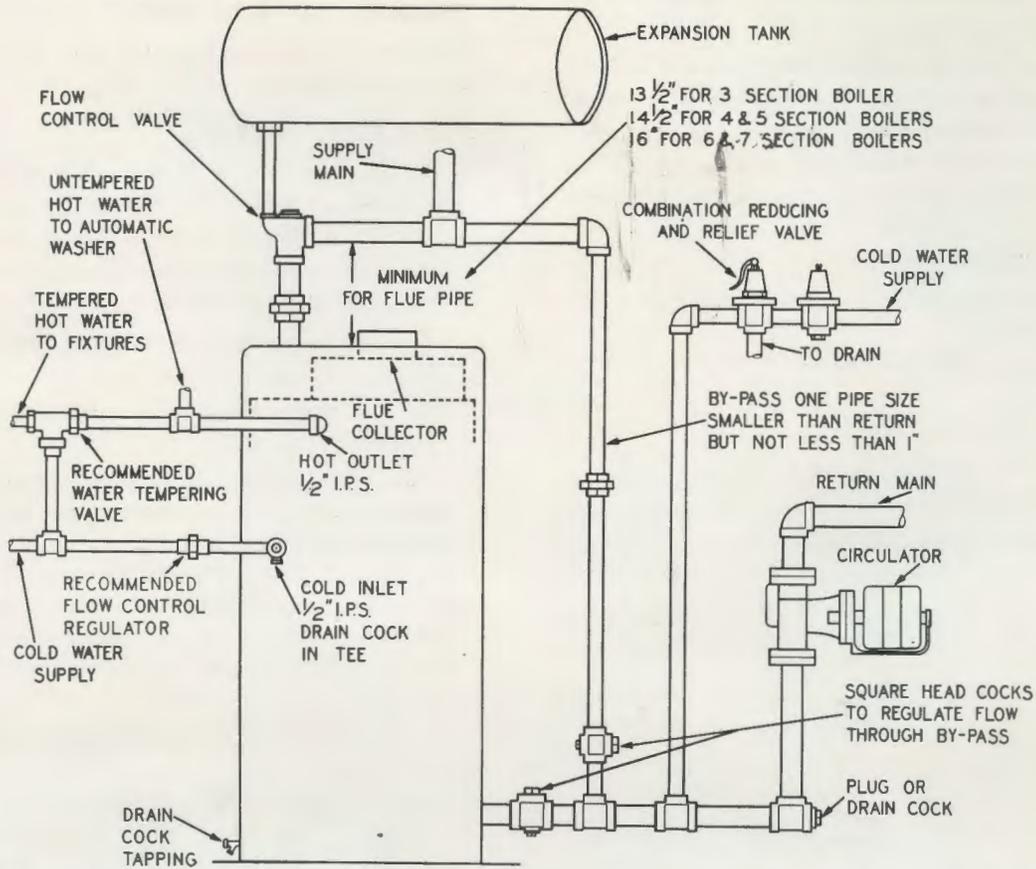
1. Periodically remove control from flue pipe and clean soot from element.

HOT WATER HEATING SYSTEMS

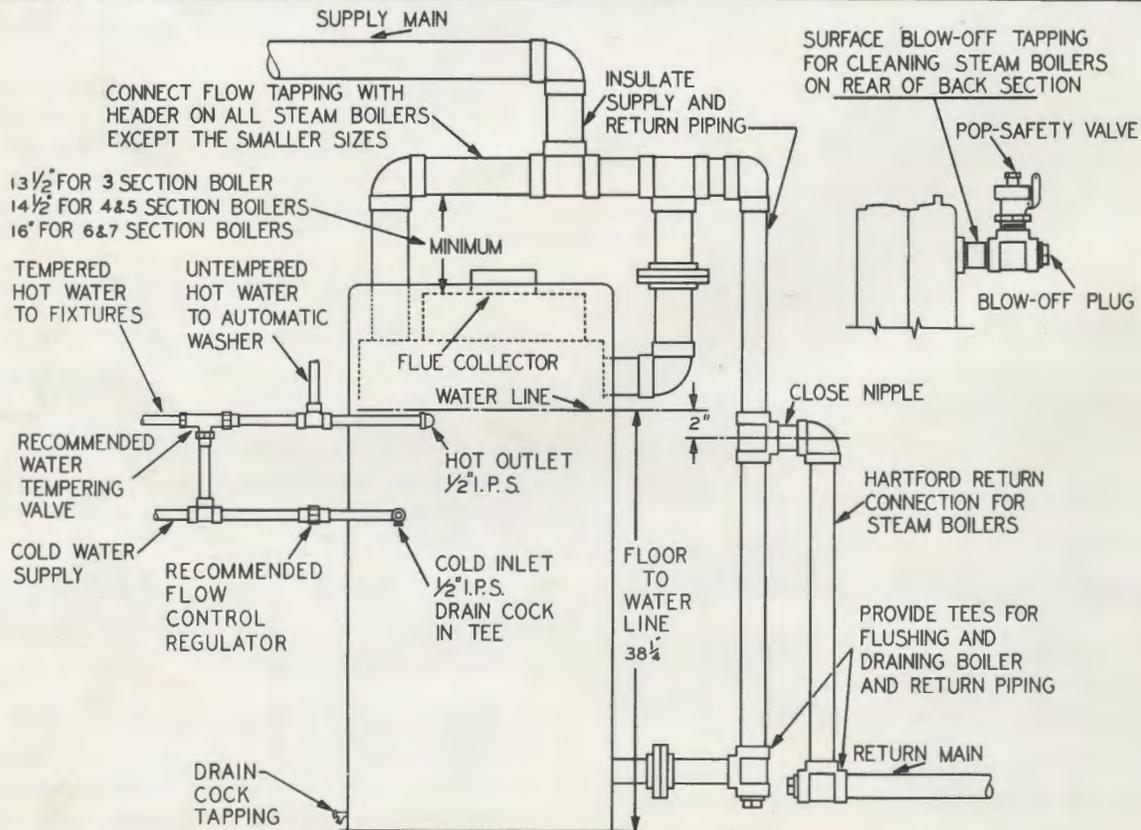
1. Boiler and radiators should be kept completely filled with water. Radiators that do not heat satisfactorily may contain air that should be vented from them.
2. If at any time pressure is not indicated on the combination altitude gauge and thermometer, wait until the inside of the boiler is comfortable to touch before adding cold water.

STEAM HEATING SYSTEMS

1. Maintain water line at a level slightly above the halfway mark of the gauge glass. If at any time water is not visible in the gauge glass, wait until the inside of the boiler is comfortable to the touch before adding water. Cold water should be fed cautiously to a boiler which has been recently fired.
2. Steam boiler should be cleaner so as to remove the oil and grease that has been brought back to the boiler from the radiators and piping of the system. Suggested method follows:



RECOMMENDED PIPING FOR FORCED CIRCULATION HOT WATER SYSTEM



RECOMMENDED PIPING FOR STEAM HEATING SYSTEM

A. Remove the plug from the pop safety valve tee, then pipe to nearest drain below level of safety valve tee. Pipe full size of pipe connection.

B. With burner operating, slowly raise the water level in the boiler until it just overflows from the blow-off opening.

C. Continue to feed water slowly, at a rate so that water level does not rise above the blow-off opening, for at least 30 minutes with burner operating so that the hot water and steam flowing from the blow-off opening will carry away grease and dirt floating on the surface of the water.

D. Shut off the water supply and burner, and drain boiler through drain cock.

E. Refill boiler slowly to water line.

F. Repeat Steps "B", "C", "D" and "E" until boiler holds a satisfactory water line. It may be necessary to repeat cleaning at later intervals if the entire system is not thoroughly free of grease and dirt.

3. Radiators that do not heat satisfactorily may be air bound.

Make sure that air vents are cleaned and operating properly.

CHIMNEY AND FLUE PIPE

1. Chimney should be inspected and cleaned at least every other heating season.

PERIODICAL CHECK-UP

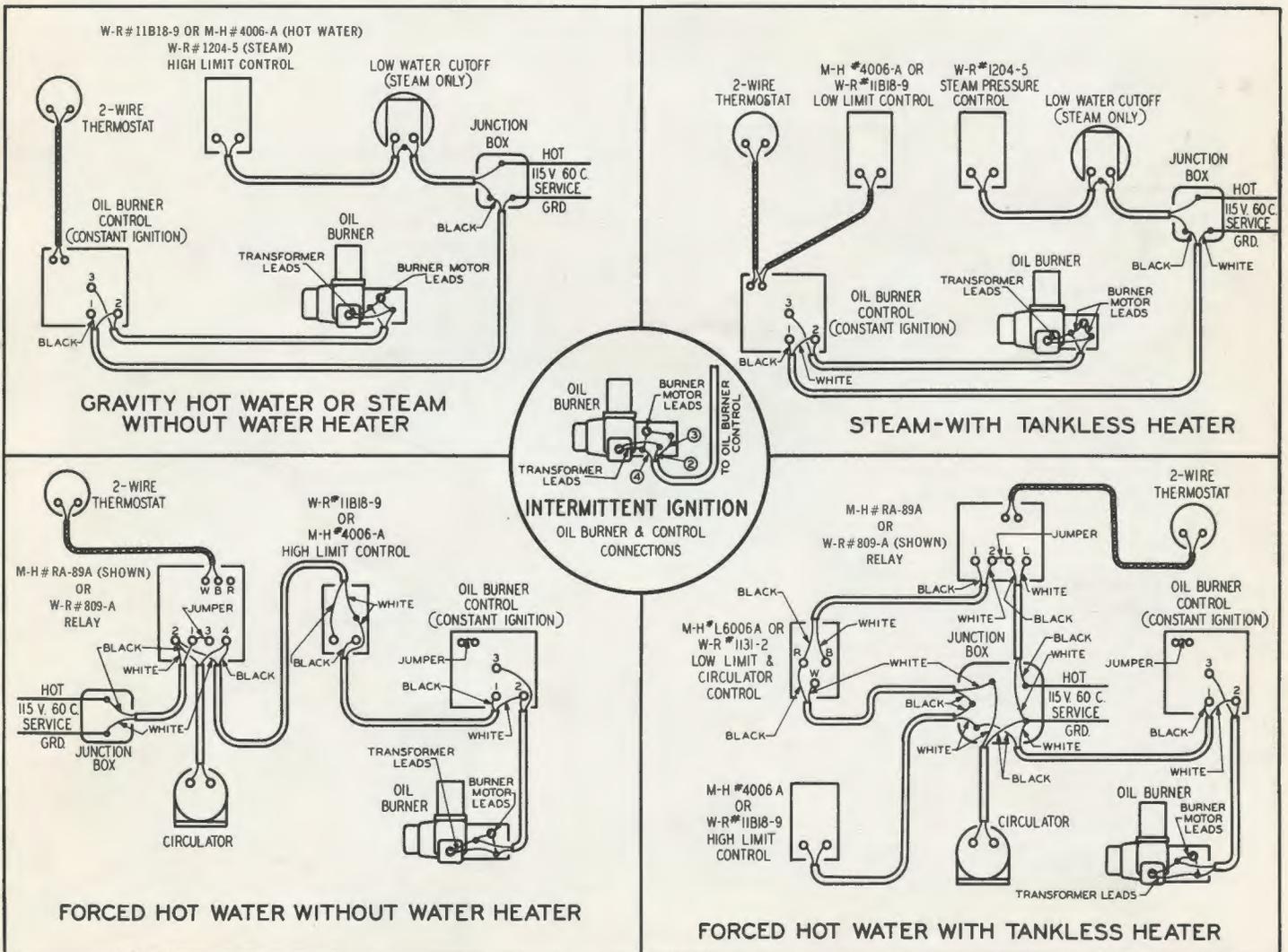
1. A competent heating man should inspect and service the entire heating system at the beginning of each heating season with particular attention to the following points:

A. If water in steam boiler appears greasy or dirty, boiler should be cleaned thoroughly as recommended above.

B. Clean or replace air valves on radiators and vent valves on mains on steam systems.

C. Pop safety valve should be examined and checked for proper operation.

D. Control contact points should be cleaned, control settings checked and operation of the entire control system checked for proper operation.



Wiring Diagram

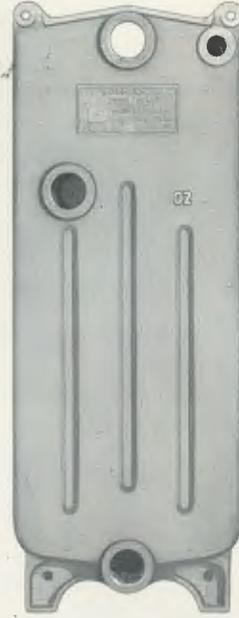
REPAIR PARTS



0-4 FRONT SECTION



0-1 INTERMEDIATE SECTION



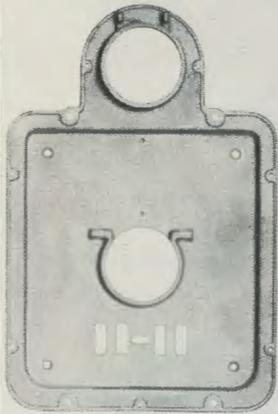
0-2 REAR SECTION

REPAIR PARTS PRICE LIST

Part No.	NAME OF PART	Approximate Shipping Wgt.	Price
0-1	Intermediate Section	100	\$60.00
0-2	Rear Section	140	84.00
0-4	Front Section	148	90.00
0-5	Oil Burner Mounting Plate	18.5	15.00
0-6	Oil Burner Tube Clamp . . . . .	.75	.50
0-7	Air Shutter . . . . .	.60	.40
7A	Air Shutter Knob . . . . .	.05	.25
0-8	Oil Burner Mounting Plate Liner	9.25	6.00
0-9	# 22 Tankless Heater with plate, gasket and bolts	18.5	36.00
9A	# 28 Tankless Heater with plate, gasket and bolts	20.0	48.00
0-11	Heater Opening Cover Plate with gasket and bolts	6.	6.00
11A	Gasket for heater cover plate on tankless heater . . . . .	.25	.30
12	Top Nipple	1.10	2.00
13	Bottom Nipple . . . . .	.8	.80
14	Flue Collector Clamp . . . . .	.15	.30
15	Front Clean-out Cover Plate	1.5	1.00
16	Intermediate Clean-out Cover Plate	1.8	1.10
17	Service Door Assembly . . . . .	.60	1.50
18-3	Flue Collector for 3-Section Boiler	5.25	7.50
18-4	Flue Collector for 4-Section Boiler	7.10	8.25
18-5	Flue Collector for 5-Section Boiler	8.25	9.00
18-6	Flue Collector for 6-Section Boiler	9.5	9.75
18-7	Flue Collector for 7-Section Boiler	10.7	10.50
19	½" Extended Bushing . . . . .	.15	.60
20	Furnace Cement, 4-Lb. Can		1.00
21	Steam Gauge	1.5	6.00
22	Ther-altimeter Gauge	1.5	8.00
23	¼-20 x 1" Steel Rd. Head Mach. Screw w/washer and brass hex nut . . . . .		.10
24	¼"-20 x 1" Steel Fl. Head Mach. Screw w/sq. nut . . . . .		.10
25	⅜"-16 x ¾" Steel Rd. Head Machine Screw . . . . .		.10
26	⅜"-18 x 1½" Steel Sq. Head Mach. Screw, w/hex nut . . . . .		.10

Part No.	NAME OF PART	Approximate Shipping Wgt.	Price
27	⅞"-14 x 1½" Steel Sq. Head Mach. Screw, w/hex nut . . . . .		.15
28	⅜"-16 x 2¼" Steel Sq. Head Mach. -Screw, w/hex nut and washer . . . . .		.20
29	½" x ¼" Bushing (not illustrated) . . . . .		.20
30	Water Gauge Set	2.5	10.00
31	Tri-cock . . . . .	.5	2.00
32	Pop Safety Valve . . . . .	.75	5.00
33	1¼" x 2" Nipple . . . . .	.25	1.00
34	½" Tie Rod—per section . . . . .		.15
35	¼" Pipe Plug . . . . .	.03	.15
36	⅜" Pipe Plug . . . . .	.04	.20
37	½" Pipe Plug . . . . .	.07	.25
38	¾" Pipe Plug . . . . .	.10	.30
39	1¼" Pipe Plug . . . . .	.35	.35
40	2½" Countersunk Plug	1.35	1.00
41	7-foot Length Asbestos Wicking . . . . .		.30
42	Flue Brush		1.25
43	1¼" x ¾" Black Malleable Tee	1.0	1.50
44-3	3-Section Combustion Chamber (not illustrated)	40.	12.00
44-4	4-Section Combustion Chamber (not illustrated)	52.5	13.00
44-5	5-Section Combustion Chamber (not illustrated)	52.5	13.00
44-6	6-Section Combustion Chamber (not illustrated)	60.5	14.00
44-7	7-Section Combustion Chamber (not illustrated)	60.5	14.00
45-3	3-Section Jacket Complete (illustrated Page 5)	47.	52.00
45-4	4-Section Jacket Complete	52.	55.00
45-5	5-Section Jacket Complete	58.	61.00
45-6	6-Section Jacket Complete	62.	66.00
45-7	7-Section Jacket Complete	68.50	72.00
46	Jacket Extension	34.	35.00
	Jacket Parts—Prices on application		
Prices F.O.B. Utica, and subject to change without notice.			

REPAIR PARTS



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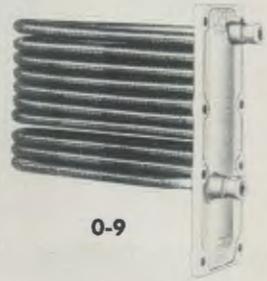
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7A



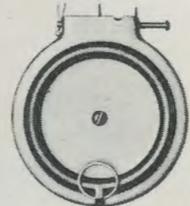
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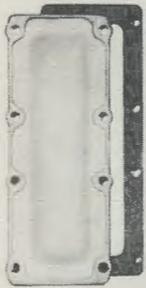
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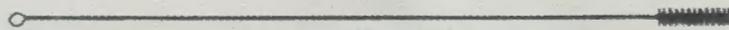
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RATINGS

UTICA **STARFIRE** WET BASE OIL BURNING BOILER HOT WATER

WATER BOILER NUMBER	I-B-R RATING		Net †Sq. Ft.	CHIMNEY SIZE	I-B-R FIRING RATE
	GROSS B. T. U.	Net B. T. U.			
03-W	89,000	66,800	445	8" x 8" x 15'	.90
04-W	121,000	91,500	610	8" x 8" x 15'	1.20
05-W	153,000	114,800	765	8" x 8" x 15'	1.50
06-W	185,000	138,800	925	8" x 8" x 15'	1.80
07-W	216,000	162,000	1080	8" x 8" x 15'	2.10

†Water rating at 170° F. — 150 Btu

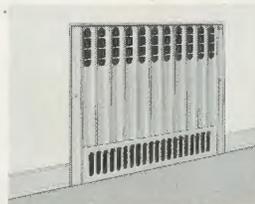
STEAM

STEAM BOILER NUMBER	I-B-R RATING			CHIMNEY SIZE	I-B-R FIRING RATE
	GROSS B. T. U.	NET			
		B. T. U.	Sq. Ft.		
03-S	89,000	66,800	278	8" x 8" x 15'	.90
04-S	121,000	91,500	381	8" x 8" x 15'	1.20
05-S	153,000	114,800	478	8" x 8" x 15'	1.50
06-S	185,000	138,800	578	8" x 8" x 15'	1.80
07-S	216,000	162,000	675	8" x 8" x 15'	2.10

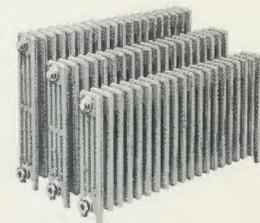
For dependable products . . . for efficient operation — install a UTICA Heating System



UTICA Radiant Baseboard Panels
HI — rated at 3.6 sq. ft. per linear foot
LO — rated at 2.35 sq. ft. per linear foot



UTICA Radiant Radiators
Free-standing or recessed



UTICA RADIATORS
Smart, compact design

ALL UTICA products are made in one plant . . . shipped from one source

UTICA RADIATOR CORPORATION
UTICA, NEW YORK

UTICA

Constellation



SERIES 1G
For Water Only

SERIES 2G
For Steam and Water

A Cast-Iron GAS FIRED BOILER
for residential and small commercial use

For dependable, economical heating

UTICA

Constellation[★]

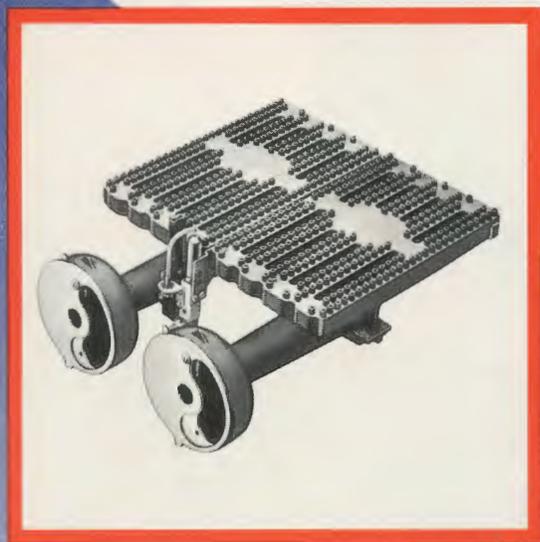
CAST-IRON GAS FIRED BOILER

The Utica "Constellation" Gas Boiler is a compact and highly efficient heating unit for residential and small commercial installations. It has been designed exclusively for gas-firing, and meets the rigid testing requirements of the AGA (American Gas Association) and the ASME (American Society of Mechanical Engineers).

It has been approved and certified for use with Natural, Mixed and Manufactured Gas, your assurance that it will perform with equal efficiency with each type of fuel. Gas heat is clean, quiet and odorless, and requires no bulky unsightly storage tanks. On the coldest winter days you can maintain the precise room temperature you desire for complete comfort . . . automatically!

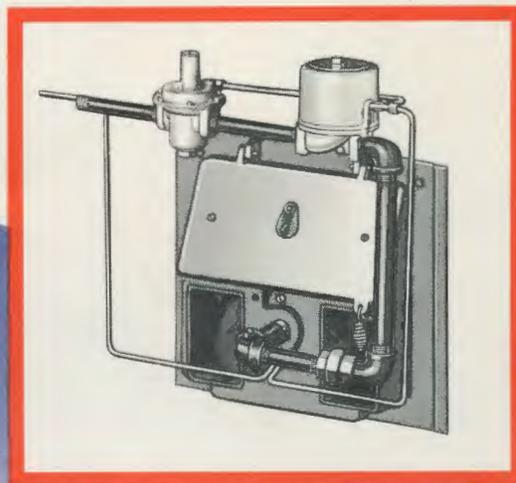
Available in 2 Series for Steam, Vapor and Hot Water Systems

The 1G Series "Constellation" Boiler has been designed exclusively for Hot Water Systems, and is available in 5 sizes. The 2G Series "Constellation" Boiler is an all-purpose boiler. It can be used for either Steam or Hot Water Systems. It is also available in 5 sizes, and is designed to accommodate a large capacity all-copper-coil tankless water heater or storage type water heater. The handsome Blue Hammertone finish jacket is smartly-styled and fully insulated to prevent heat loss. The burner unit and boiler sections are made of rugged, "lifetime" cast-iron. Every detail of the Constellation Gas Fired Boiler has been engineered to meet the highest standards of dependability and economy of operation.



Cast-iron drilled-port burner for peak performance and economy

The cast-iron burners are precisely drilled to provide uniform combustion and quiet, efficient operation. They can be easily removed for inspection and cleaning.



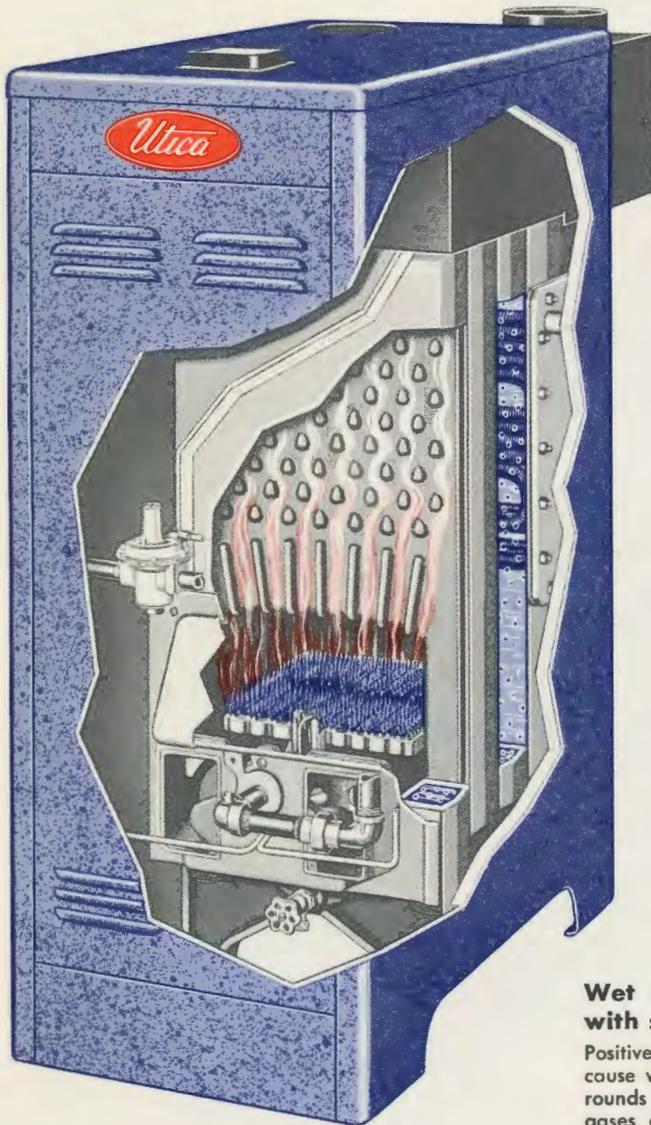
Factory-assembled and tested gas control units

Positive, carefree operation is assured with the finest, highly sensitive controls that meet the safety requirements established in all localities.

ng

All-copper-coil tankless heater provides abundant year-around domestic hot water

With the 2G Series Boiler you can enjoy the added convenience of instantaneous hot water for kitchen, laundry and bath. You may choose a large capacity all-copper-coil tankless heater or a copper coil storage tank heater.

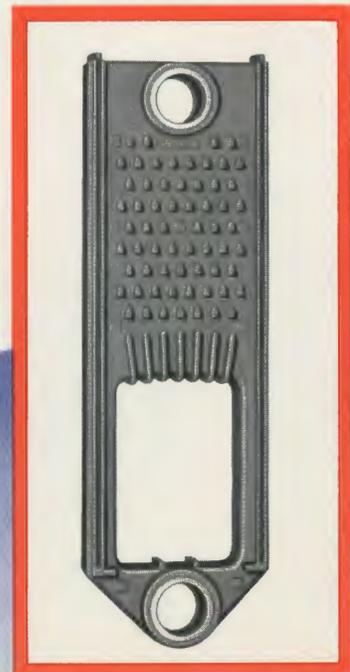


Construction Features

- Durable Cast-Iron Construction — Made of "Lifetime" cast-iron for years of dependable service.
- Vertical Flue Travel — Staggered, self-cleaning studs give a bonus in heating efficiency.
- Cast-Iron Drilled-Port Burner—Designed for complete, quiet, safe combustion. A special size for each burner to assure peak performance.
- Combination Flue Collector and Draft Diverter—Made from heavy gauge steel. Design permits installation in rooms with low ceilings.
- Built-in Copper Coil Water Heater — Large capacity heaters provide an abundance of domestic hot water. Available in tankless or storage tank types (2G Boilers only).
- Handsome Blue Hammertone Finish Jacket — Fully insulated to prevent heat loss. Covers burner and all controls.
- Easy to Service — Large hinged door at front of boiler allows easy access to burner and controls for inspection and servicing.
- Easy to Clean — Removable aluminized steel clean-out cover permits easy cleaning of boiler section heating surfaces.

Wet base section design with staggered flue travel

Positive and rapid heat transfer because water in the boiler sections surrounds the combustion chamber. Hot gases circulate slowly between staggered heat-absorbing studs in the flue-ways, providing maximum efficiency and fuel saving.



Made of "Lifetime" CAST IRON

The sections of the Utica "Constellation" Boiler are made of cast-iron, the metal that heats fast . . . holds heat longer! You can depend on a lifetime of heating comfort because cast-iron never wears out. Thousands of cast-iron boilers have been in operation for over half a century and are still providing efficient, economical service.

UTICA Constellation GAS FIRED BOILERS



Reg. U.S. Pat. Off.

RATINGS 1G SERIES — For Water Only

BOILER No.	INPUT BTU/hr.	OUTPUT (A.G.A.)		Net I-B-R Ratings BTU/hr.	Sq. Ft. Hot Water
		BTU/hr.	Sq. Ft. Hot Water		
1G4	72,000	57,600	380	43,500	290
1G5	94,000	75,200	500	56,300	375
1G6	116,000	92,800	615	69,800	460
1G7	138,000	110,400	735	82,500	550
1G8	160,000	128,000	850	96,000	640

2G SERIES — For Steam and Water

BOILER No.	A.G.A. INPUT BTU/hr.	A.G.A. OUTPUT BTU/hr.	I-B-R OUTPUT		Net Water Rating Sq. Ft.
			Net BTU/hr. Steam or Water	Sq. Ft. Steam	
2G4	138,000	110,400	82,500	345	550
2G5	176,000	140,800	105,800	440	705
2G6	214,000	171,200	128,300	535	855
2G7	252,000	201,600	151,500	630	1010
2G8	290,000	232,000	174,000	725	1160

Net I-B-R Ratings shown include allowance for normal piping loss and pick-up load. Net water ratings are based on 170° F. average water temperature in radiators with a net heat transmission of 150 BTU.

STANDARD EQUIPMENT — 1G and 2G SERIES

Assembled Boiler
Insulated Jacket
Drilled Port Burner

Automatic Diaphragm Gas Valve with Transformer
Manifold and Gas Control

Main Shut-off Gas Valve
Pilot Filter (Mfg. gas only)
Safety Pilot with Controls

Boiler Drain
Flue Brush
Pilot Valve and Manual Pilot Ignitor

WATER BOILER:

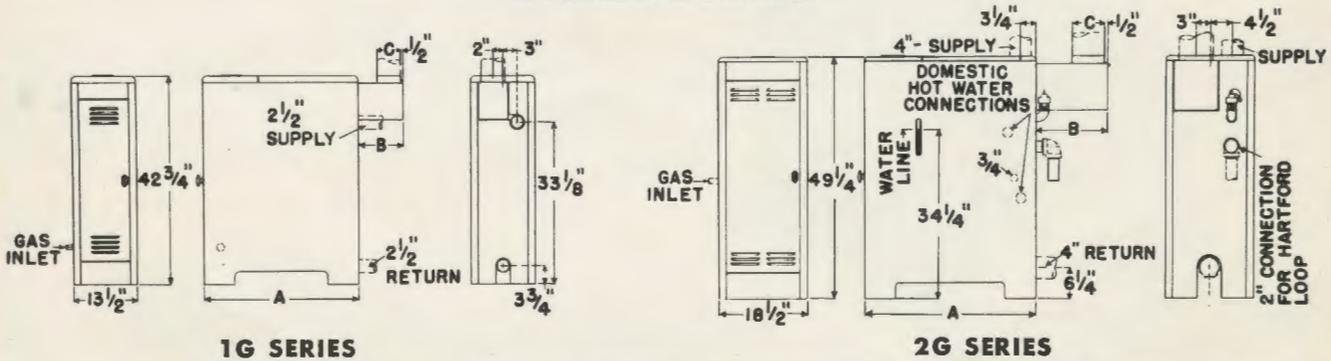
Theraltimeter Gauge
Limit Control
A.S.M.E. Relief Valve

STEAM BOILER (2G Series):

Steam Gauge
Safety Pop Valve
Water Gauge Set
Pressure Limit Control
Low Water Cut-off
Syphons for Gauge and Limit Control

NOTE: For elevations above 2,000 feet, ratings should be reduced at the rate of 4 per cent for each 1,000 feet above sea level.

DIMENSIONS



DIM.	1G4	1G5	1G6	1G7	1G8	DIM.	2G4	2G5	2G6	2G7	2G8
A	28 7/8"	32 1/2"	36 1/4"	40"	43 3/8"	A	32 1/4"	35 3/8"	39 1/2"	43 1/4"	47"
B	7"	9 1/2"	12"	12"	12"	B	11"	15"	15"	19"	19"
C	5"	5"	6"	6"	6"	C	6"	7"	8"	8"	8"



UTICA RADIATOR CORPORATION
UTICA, NEW YORK



HI and LO BASEBOARD HEATING PANELS

Sunshine warmth in every room of your home

Modern... draft-free... made of 'lifetime' cast iron

UTICA Baseboard Heating Panels in e for delightful comfort



In your living room... Utica Baseboard Heating Panels are unobtrusive, yet they counteract the cold with an invisible blanket of gently-diffused heat.

Imagine having every room in your home bathed in pleasant, sun-like warmth on the coldest days of winter! With Utica Baseboard Heating Panels, you enjoy a draft-free, dust-free flow of heat that acts as a shield against the outside cold, makes your rooms delightfully cozy.

Utica Baseboard Heating Panels provide a curtain of warmth that blocks cold at windows, outer walls and along the floors, so you can sit anywhere in the room in complete comfort without annoying drafts or sudden temperature changes.

Because Utica Baseboard Heating Panels take up no usable floor space, you have complete freedom in planning the most attractive furniture groupings.



In your dining room... In this attractive dining alcove, the Utica Baseboard Heating Panel provides a shield of warmth against the cold window area.



In your bedrooms... Here in this comfortable bedroom the Baseboard Panel takes up no space in the room—allows the most pleasing furniture arrangement.

HI Baseboard
Rated at 3.6 sq. ft.



LO Baseboard
Rated at 2.35 sq. ft.

Made in two heights to meet all requirements

Utica Baseboard Heating Panels offer a big advantage in heating efficiency and lower installation cost because of their high output per lineal foot. Utica Lo-Baseboard provides sufficient output to meet the heating requirements of most residential installations. When wall space is limited, or unusual heating demands are a factor, extra-capacity Utica Hi-Baseboard is used.

Every room of your home for decorating freedom



In your kitchen... See how Baseboard Panels can be placed to give you freedom in planning a modern, work-saving kitchen in your home! Window and walls are unobstructed, and there's plenty of room for a cozy dining area.

Smart, streamlined design

The modern, smooth, handsome appearance of Utica Baseboard Panels harmonizes with any room setting. Panels can be installed under low picture windows, and they don't interfere with floor-length draperies.

Space-saving

Because Utica Baseboard Panels are a part of your wall, you can rearrange your rooms or add furniture whenever you choose. And you can enjoy the full beauty of wall-to-wall carpeting without unsightly cut-outs for cold air registers.

Inconspicuous in the room

Paint Utica Baseboard Panels to match your walls and they become almost unnoticeable in the room. Or for a decorating flair, you can harmonize them with your rugs or drapes. However you plan your color scheme, Utica Baseboard Panels will blend in beautifully!



In your bathroom...

The Baseboard Panel keeps this attractive bathroom warm and comfortable in the coldest weather. It's a pleasure to take a bath or shower without annoying chilly drafts and cold floors. And Baseboard Panels take up no space in the room!

Looks equally well in modern homes or older residences

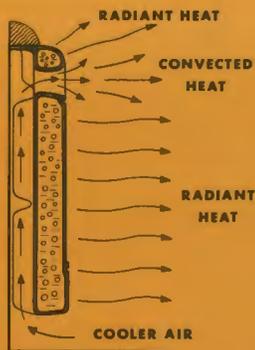
The clean, simple lines of Utica Baseboard Panels are ideally suited to modern home interiors — and when installed in an older residence they simply replace the conventional wood baseboard without costly redecorating expense!

Easy to install

Utica Baseboard Panels can be easily installed flush to the wall or recessed. Matching metal accessories are used to complete a harmonious appearance. You can depend on the advice of your heating contractor in selecting the most practical, most efficient installation for your home.

Made of 'Lifetime' Cast Iron

When you install cast-iron Utica Baseboard Panels you increase the value of your home because they give lifelong service — never need replacement. And sturdy cast-iron Utica Baseboard Panels can't be dented or marred by children's toys or cleaning appliances!



Combines radiant and convected heat for greater comfort and efficiency

Radiant, "sun-like" heat rays spread out from the surface of the panel to keep your living zone snug and warm. In addition, convected heat from the concealed fin surfaces circulates gently to form a blanket of protective warmth against cold walls and windows.



Rear view of Utica Lo-Baseboard showing fin surfaces which furnish additional convected heat.

**A complete line of accessories
is available to finish a neat
and attractive installation**

Sturdy, heavy-gauge metal accessories that match the design of the Baseboard Panels are available to conceal the piping and to make a completely harmonious installation.

When it is necessary to extend the panels around inverted or projecting corners, matching corner pieces are used. If the baseboard panel fills only a portion of the wall length, extension panels can be attached at both ends to carry an unbroken baseboard effect to each corner of the room. Enclosure boxes with convenient access doors provide easy valve adjustment.

Installation of the Baseboard Panels is simplified because the units stand on integrally-cast legs which support the panels at the proper height above the floor surface. Panels are attached to the wall by a simple screw-type holding lug which fastens to the studs. To support unusually long units, easily-adjusted center legs are furnished.

**For perfect heating comfort — install
a complete UTICA Heating System**



5 1/2" Left Hand Valve Enclosure



5 1/2" Right Hand Valve Enclosure



Inside Corner



Outside Corner



10 1/2" x 90° Inside Corner



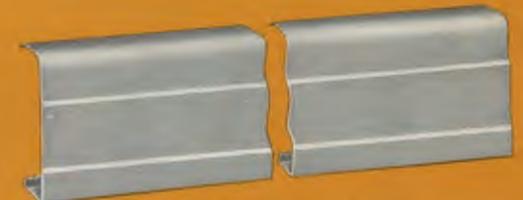
10 1/2" x 135° Inside Corner



Splice Plate



End Cap



4-Foot Extension Panel



3" and 9" Corner Connectors



Hanging Bracket



Center Leg



Holding Lug



Utica "Constellation" Gas Fired Boiler



Utica "Starfire" Oil Fired Boiler Flush Jacket Model



Utica "Starfire" Oil Fired Boiler Extended Jacket Model



Utica Radiant Radiators



Utica Radiators



**UTICA RADIATOR CORPORATION
UTICA, NEW YORK**

RATINGS and DATA

UTICA Hi-Baseboard



Reg. U.S. Pat. Off.

Assembled Length Lineal Feet	Output in Sq. Ft. Water or Steam 215°F	CAPACITIES														
		HOT WATER — Average water temperature.														
		220°F	215°F	210°F	205°F	200°F	195°F	190°F	185°F	180°F	175°F	170°F	165°F	160°F	155°F	150°F
		Heat Emission Btu per sq. ft. for above Temperatures.														
Per Ft.	3.6	900	860	830	790	750	720	670	630	600	560	530	490	460	420	380
1½	5.4	1350	1290	1245	1185	1125	1080	1005	945	900	840	795	735	690	630	570
2	7.2	1800	1720	1660	1580	1500	1440	1340	1260	1200	1120	1060	980	920	840	760
3	10.8	2700	2580	2490	2370	2250	2160	2010	1890	1800	1680	1590	1470	1380	1260	1140
3½	12.6	3150	3010	2905	2765	2625	2520	2345	2205	2100	1960	1855	1715	1610	1470	1330
4	14.4	3600	3440	3320	3160	3000	2880	2680	2520	2400	2240	2120	1960	1840	1680	1520
4½	16.2	4050	3870	3735	3555	3375	3240	3015	2835	2700	2520	2385	2205	2070	1890	1710
5	18.0	4500	4300	4150	3950	3750	3600	3350	3150	3000	2800	2650	2450	2300	2100	1900
5½	19.8	4950	4730	4565	4345	4125	3960	3685	3465	3300	3080	2915	2695	2530	2310	2090
6	21.6	5400	5160	4980	4740	4500	4320	4020	3780	3600	3360	3180	2940	2760	2520	2280
6½	23.4	5850	5590	5395	5135	4875	4680	4355	4095	3900	3640	3445	3185	2990	2730	2470
7	25.2	6300	6020	5810	5530	5250	5040	4690	4410	4200	3920	3710	3430	3220	2940	2660
7½	27.0	6750	6450	6225	5925	5625	5400	5025	4725	4500	4200	3975	3675	3450	3150	2850
8	28.8	7200	6880	6640	6320	6000	5760	5360	5040	4800	4480	4240	3920	3680	3360	3040
8½	30.6	7650	7310	7055	6715	6375	6120	5695	5355	5100	4760	4505	4165	3910	3570	3230
9	32.4	8100	7740	7470	7110	6750	6480	6030	5670	5400	5040	4770	4410	4140	3780	3420
9½	34.2	8550	8170	7885	7505	7125	6840	6365	5985	5700	5320	5035	4655	4370	3990	3610
10	36.0	9000	8600	8300	7900	7500	7200	6700	6300	6000	5600	5300	4900	4600	4200	3800
10½	37.8	9450	9030	8715	8295	7875	7560	7035	6615	6300	5880	5565	5145	4830	4410	3990
11	39.6	9900	9460	9130	8690	8250	7920	7380	6930	6600	6160	5830	5390	5060	4620	4180
11½	41.4	10350	9890	9545	9085	8625	8280	7705	7245	6900	6440	6095	5635	5290	4830	4370
12	43.2	10800	10320	9960	9480	9000	8640	8040	7560	7200	6720	6360	5880	5520	5040	4560
12½	45.0	11250	10750	10375	9875	9375	9000	8375	7875	7500	7000	6625	6125	5750	5250	4750
13	46.8	11700	11180	10790	10270	9750	9360	8710	8190	7800	7280	6890	6370	5980	5460	4940
13½	48.6	12150	11610	11205	10665	10125	9720	9045	8505	8100	7560	7155	6615	6210	5670	5130
14	50.4	12600	12040	11620	11060	10500	10080	9380	8820	8400	7840	7420	6860	6440	5880	5320
14½	52.2	13050	12470	12035	11455	10875	10440	9715	9135	8700	8120	7685	7105	6670	6090	5510
15	54.0	13500	12900	12450	11850	11250	10800	10050	9450	9000	8400	7950	7350	6900	6300	5700
15½	55.8	13950	13330	12865	12245	11625	11160	10385	9765	9300	8680	8215	7595	7130	6510	5890
16	57.6	14400	13760	13280	12640	12000	11520	10720	10080	9600	8960	8480	7840	7360	6720	6080
16½	59.4	14850	14190	13695	13035	12375	11880	11055	10395	9900	9240	8745	8085	7590	6930	6270
17	61.2	15300	14620	14110	13430	12750	12240	11390	10710	10200	9520	9010	8330	7820	7140	6460
17½	63.0	15750	15050	14525	13825	13125	12600	11725	11025	10500	9800	9275	8575	8050	7350	6650
18	64.8	16200	15480	14940	14220	13500	12960	12060	11340	10800	10080	9540	8820	8280	7560	6840
18½	66.6	16650	15910	15355	14615	13875	13320	12395	11655	11100	10360	9805	9065	8510	7770	7030
19	68.4	17100	16340	15770	15010	14250	13680	12730	11970	11400	10640	10070	9310	8740	7980	7220
19½	70.2	17550	16770	16185	15405	14625	14040	13065	12285	11700	10920	10335	9555	8970	8190	7410
20	72.0	18000	17200	16600	15800	15000	14400	13400	12600	12000	11200	10600	9800	9200	8400	7600
20½	73.8	18450	17630	17015	16195	15375	14760	13735	12915	12300	11480	10865	10045	9430	8610	7790
21	75.6	18900	18060	17430	16590	15750	15120	14070	13230	12600	11760	11130	10290	9660	8820	7980
21½	77.4	19350	18490	17845	16985	16125	15480	14405	13545	12900	12040	11395	10535	9890	9030	8170
22	79.2	19800	18920	18260	17380	16500	15840	14740	13860	13200	12320	11660	10780	10120	9240	8360
22½	81.0	20250	19350	18675	17775	16875	16200	15075	14175	13500	12600	11925	11025	10350	9450	8550
23	82.8	20700	19780	19090	18170	17250	16560	15410	14490	13800	12880	12190	11270	10580	9660	8740
23½	84.6	21150	20210	19505	18565	17625	16920	15745	14805	14100	13160	12455	11515	10810	9870	8930
24	86.4	21600	20640	19920	18960	18000	17280	16080	15120	14400	13440	12720	11760	11040	10080	9120
24½	88.2	22050	21070	20335	19355	18375	17640	16415	15435	14700	13720	12985	12005	11270	10290	9310
25	90.0	22500	21500	20750	19750	18750	18000	16750	15750	15000	14000	13250	12250	11500	10500	9500

The ratings, determined from the results of tests conducted according to the I. B. R. Testing and Rating Code for Baseboard Radiation, are based on the active length of the unit which is the same as the total length. The ratings include the allowance of 15% permitted by the I. B. R. code

RATINGS and DATA

UTICA Lo-Baseboard



Reg. U.S. Pat. Off.

Assembled Length Lineal Feet	Output in Sq. Ft. Water 215°F	CAPACITIES														
		HOT WATER — Average water temperature														
		220°F	215°F	210°F	205°F	200°F	195°F	190°F	185°F	180°F	175°F	170°F	165°F	160°F	155°F	150°F
Per Ft.	2.35	560	530	510	490	460	440	420	400	370	350	330	300	280	260	230
1½	3.5	840	795	765	735	690	660	630	600	555	525	495	450	420	390	345
2	4.7	1120	1060	1020	980	920	880	840	800	740	700	660	600	560	520	460
3	7.1	1680	1590	1530	1470	1380	1320	1260	1200	1110	1050	990	900	840	780	690
3½	8.2	1960	1855	1785	1715	1610	1540	1470	1400	1295	1225	1155	1050	980	910	805
4	9.4	2240	2120	2040	1960	1840	1760	1680	1600	1480	1400	1320	1200	1120	1040	920
4½	10.6	2520	2385	2295	2205	2070	1980	1890	1800	1665	1575	1485	1350	1260	1170	1035
5	11.8	2800	2650	2550	2450	2300	2200	2100	2000	1850	1750	1650	1500	1400	1300	1150
5½	12.9	3080	2915	2805	2695	2530	2420	2310	2200	2035	1925	1815	1650	1540	1430	1265
6	14.1	3360	3180	3060	2940	2760	2640	2520	2400	2220	2100	1980	1800	1680	1560	1380
6½	15.3	3640	3445	3315	3185	2990	2860	2730	2600	2405	2275	2145	1950	1820	1690	1495
7	16.5	3920	3710	3570	3430	3220	3080	2940	2800	2590	2450	2310	2100	1960	1820	1610
7½	17.6	4200	3975	3825	3675	3450	3300	3150	3000	2775	2625	2475	2250	2100	1950	1725
8	18.8	4480	4240	4080	3920	3680	3520	3360	3200	2960	2800	2640	2400	2240	2080	1840
8½	20.0	4760	4505	4335	4165	3910	3740	3570	3400	3145	2975	2805	2550	2380	2210	1955
9	21.2	5040	4770	4590	4410	4140	3960	3780	3600	3330	3150	2970	2700	2520	2340	2070
9½	22.3	5320	5035	4845	4655	4370	4180	3990	3800	3515	3325	3135	2850	2660	2470	2185
10	23.5	5600	5300	5100	4900	4600	4400	4200	4000	3700	3500	3300	3000	2800	2600	2300
10½	24.7	5880	5565	5355	5145	4830	4620	4410	4200	3885	3675	3465	3150	2940	2730	2415
11	25.9	6160	5830	5610	5390	5060	4840	4620	4400	4070	3850	3630	3300	3080	2860	2530
11½	27.0	6440	6095	5865	5635	5290	5060	4830	4600	4255	4025	3795	3450	3220	2990	2645
12	28.2	6720	6360	6120	5880	5520	5280	5040	4800	4440	4200	3960	3600	3360	3120	2760
12½	29.4	7000	6625	6375	6125	5750	5500	5250	5000	4625	4375	4125	3750	3500	3250	2875
13	30.6	7280	6890	6630	6370	5980	5720	5460	5200	4810	4550	4290	3900	3640	3380	2990
13½	31.7	7560	7155	6885	6615	6210	5940	5670	5400	4995	4725	4455	4050	3780	3510	3105
14	32.9	7840	7420	7140	6860	6440	6160	5880	5600	5180	4900	4620	4200	3920	3640	3220
14½	34.1	8120	7685	7395	7105	6670	6380	6090	5800	5365	5075	4785	4350	4060	3770	3335
15	35.3	8400	7950	7650	7350	6900	6600	6300	6000	5550	5250	4950	4500	4200	3900	3450
15½	36.4	8680	8215	7905	7595	7130	6820	6510	6200	5735	5425	5115	4650	4340	4030	3565
16	37.6	8960	8480	8160	7840	7360	7040	6720	6400	5920	5600	5280	4800	4480	4160	3680
16½	38.8	9240	8745	8415	8085	7590	7260	6930	6600	6105	5775	5445	4950	4620	4290	3795
17	40.0	9520	9010	8670	8330	7820	7480	7140	6800	6290	5950	5610	5100	4760	4420	3910
17½	41.1	9800	9275	8925	8575	8050	7700	7350	7000	6475	6125	5775	5250	4900	4550	4025
18	42.3	10080	9540	9180	8820	8280	7920	7560	7200	6660	6300	5940	5400	5040	4680	4140
18½	43.5	10360	9805	9435	9065	8510	8140	7770	7400	6845	6475	6105	5550	5180	4810	4255
19	44.7	10640	10070	9690	9310	8740	8360	7980	7600	7030	6650	6270	5700	5320	4940	4370
19½	45.8	10920	10335	9945	9555	8970	8580	8190	7800	7215	6825	6435	5850	5460	5070	4485
20	47.0	11200	10600	10200	9800	9200	8800	8400	8000	7400	7000	6600	6000	5600	5200	4600
20½	48.2	11480	10865	10455	10045	9430	9020	8610	8200	7585	7175	6765	6150	5740	5330	4715
21	49.4	11760	11130	10710	10290	9660	9240	8820	8400	7770	7350	6930	6300	5880	5460	4830
21½	50.5	12040	11395	10965	10535	9890	9460	9030	8600	7955	7525	7095	6450	6020	5590	4945
22	51.7	12320	11660	11220	10780	10120	9680	9240	8800	8140	7700	7260	6600	6160	5720	5060
22½	52.9	12600	11925	11475	11025	10350	9900	9450	9000	8325	7875	7425	6750	6300	5850	5175
23	54.1	12880	12190	11730	11270	10580	10120	9660	9200	8510	8050	7590	6900	6440	5980	5290
23½	55.2	13160	12455	11985	11515	10810	10340	9870	9400	8695	8225	7755	7050	6580	6110	5405
24	56.4	13440	12720	12240	11760	11040	10560	10080	9600	8880	8400	7920	7200	6720	6240	5520
24½	57.6	13720	12985	12495	12005	11270	10780	10290	9800	9065	8575	8085	7350	6860	6370	5635
25	58.8	14000	13250	12750	12250	11500	11000	10500	10000	9250	8750	8250	7500	7000	6500	5750

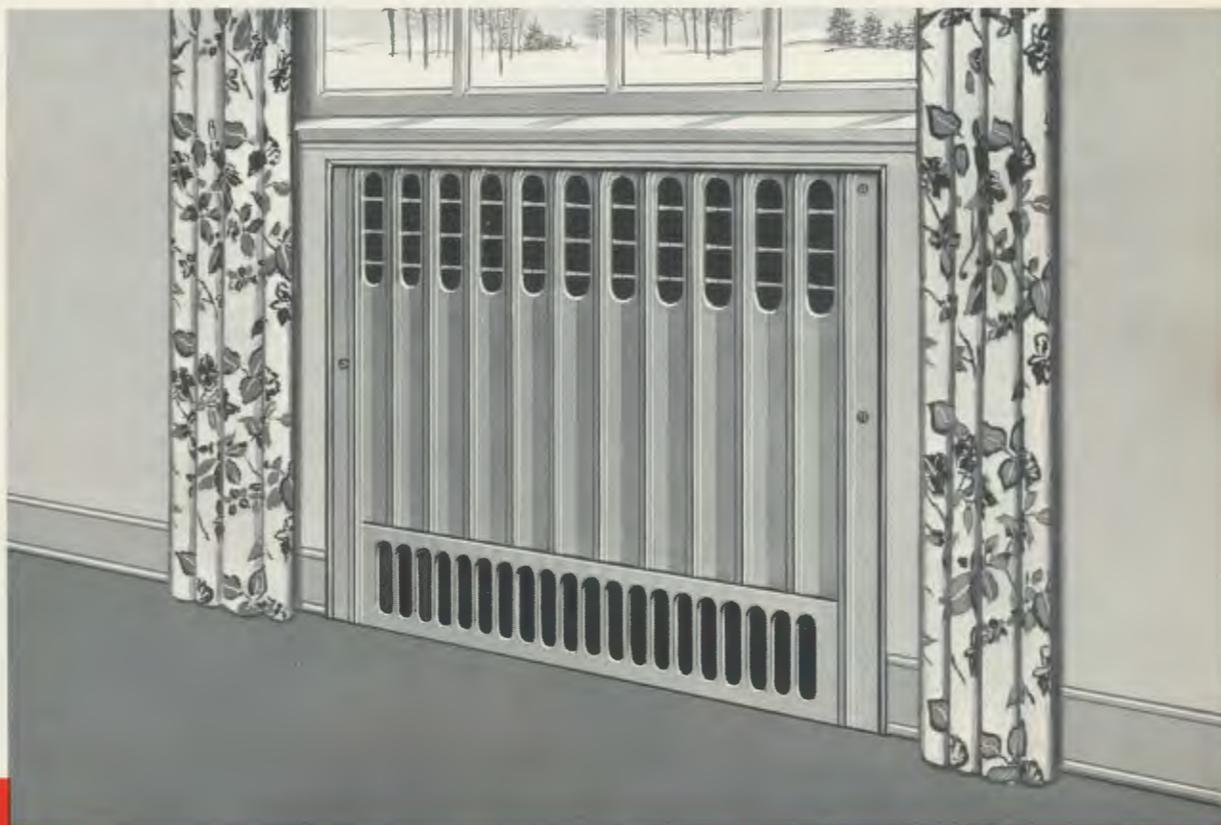
The ratings, determined from the results of tests conducted according to the I. B. R. Testing and Rating Code for Baseboard Radiation, are based on the active length of the unit which is the same as the total length. The ratings include the allowance of 15% permitted by the I. B. R. code

A perfect blending of radiant and convected heat



RADIANT

CAST IRON RADIATORS



Modern . . . efficient . . . space-saving . . . easy to install
For heating homes, apartments, schools, public buildings

UTICA RADIATOR CORPORATION
UTICA, NEW YORK

Free-standing or recessed, UTICA "Radiant" makes a neat and attractive installation...



Free-Standing UTICA "Radiant"



Recessed UTICA "Radiant"

The smooth-surfaced, smartly-styled design of the Utica "Radiant" Radiator blends harmoniously with any decorative arrangement. In residences or in commercial buildings, the "Radiant" provides "sun-like" heat... dust-free and draft-free. In a free-standing installation it projects only 5" into the room, requires no cover or cabinet. When recessed flush with the wall, all face area is prime heating surface for efficient, rapid, heat transfer. Matching metal inlet grilles are available to complete an attractive installation. And the "Radiant" can be painted to blend with any room color scheme!

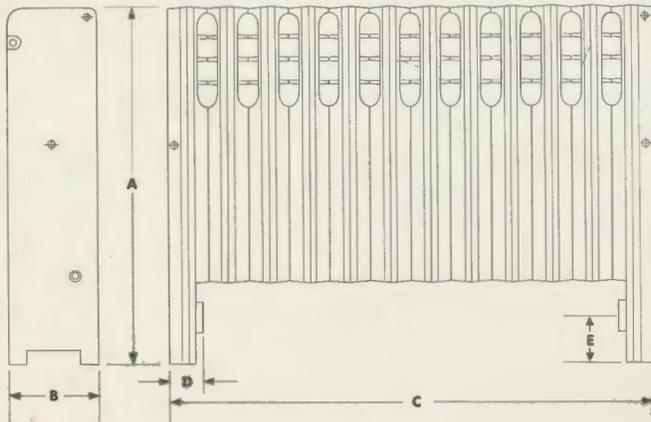
Utica "Radiant" Radiators are made of cast iron, the sturdy, "lifetime" metal that holds heat longer — never dents or scratches. Simplified piping hook-ups make the "Radiant" easy and inexpensive to install in new homes or older residences.

RADIANT HEAT



Blended heat from the "Radiant" provides a perfect balance of radiant warmth and gently circulated convection — eliminates cold zones at windows and along outside walls!

DIMENSIONS AND RATINGS



DIMENSIONS

A	B	C	D	E
20"	5"	See Rating Table	1 7/8"	2 3/4"

Bottom Tappings 1 1/4".

Recess should be 1/2" longer and 1/4" higher than radiator.

RATINGS*

Number of Sections	Square Feet per Section 2.25	Length "C" 2 1/4" per Section
4	9.0	9"
6	13.5	13 1/2"
8	18.0	18"
10	22.5	22 1/2"
12	27.0	27"
14	31.5	31 1/2"
16	36.0	36"
18	40.5	40 1/2"
20	45.0	45"
22	49.5	49 1/2"
24	54.0	54"
26	58.5	58 1/2"
28	63.0	63"
30	67.5	67 1/2"
32	72.0	72"
34	76.5	76 1/2"
36	81.0	81"
38	85.5	85 1/2"
40	90.0	90"
42	94.5	94 1/2"
44	99.0	99"

*Rating in square feet is identical with length of radiator in inches.

Increase radiator size 10% when recessed. Radiators above 30 sections furnished with center leg.

UTICA RADIATOR CORPORATION
UTICA, NEW YORK

3 TUBE

UTICA **MIDGET** RADIATORS



SPECIFICATIONS

Height		25"
Width at Legs		3 1/2"
No. of Sections	Length 1 3/4" per Section	Sq. Ft.
1	1 3/4"	1.6
2	3 1/2"	3.2
4	7"	6.4
6	10 1/2"	9.6
8	14"	12.8
10	17 1/2"	16.0
12	21"	19.2
14	24 1/2"	22.4
16	28"	25.6
18	31 1/2"	28.8
20	35"	32.0
22	38 1/2"	35.2
24	42"	38.4
26	45 1/2"	41.6
28	49"	44.8
30	52 1/2"	48.0
32	56"	51.2
34	59 1/2"	54.4
36	63"	57.6
38	66 1/2"	60.8
40	70"	64.0
42	73 1/2"	67.2
44	77"	70.4
46	80 1/2"	73.6
48	84"	76.8
50	87 1/2"	80.0
Floor to center of upper tapping		23 3/16"
Floor to center of bottom tapping		2 1/2"

4 TUBE

UTICA **MIDGET** RADIATORS

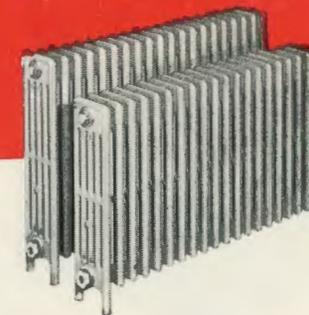


SPECIFICATIONS

Height		19"	22"	25"
Width at Legs		4 3/4"	4 3/4"	4 3/4"
No. of Sections	Length 1 3/4" per Section	Sq. Ft.	Sq. Ft.	Sq. Ft.
1	1 3/4"	1.6	1.8	2.0
2	3 1/2"	3.2	3.6	4.0
4	7"	6.4	7.2	8.0
6	10 1/2"	9.6	10.8	12.0
8	14"	12.8	14.4	16.0
10	17 1/2"	16.0	18.0	20.0
12	21"	19.2	21.6	24.0
14	24 1/2"	22.4	25.2	28.0
16	28"	25.6	28.8	32.0
18	31 1/2"	28.8	32.4	36.0
20	35"	32.0	36.0	40.0
22	38 1/2"	35.2	39.6	44.0
24	42"	38.4	43.2	48.0
26	45 1/2"	41.6	46.8	52.0
28	49"	44.8	50.4	56.0
30	52 1/2"	48.0	54.0	60.0
32	56"	51.2	57.6	64.0
34	59 1/2"	54.4	61.2	68.0
36	63"	57.6	64.8	72.0
38	66 1/2"	60.8	68.4	76.0
40	70"	64.0	72.0	80.0
42	73 1/2"	67.2	75.6	84.0
44	77"	70.4	79.2	88.0
46	80 1/2"	73.6	82.8	92.0
48	84"	76.8	86.4	96.0
50	87 1/2"	80.0	90.0	100.0
Floor to center of upper tapping		17 3/16"	20 3/16"	23 3/16"
Floor to center of bottom tapping		2 1/2"	2 1/2"	2 1/2"

5 TUBE

UTICA **MIDGET** RADIATORS



SPECIFICATIONS

Height		22"	25"
Width at Legs		6"	6"
No. of Sections	Length 1 3/4" per Section	Sq. Ft.	Sq. Ft.
1	1 3/4"	2.1	2.4
2	3 1/2"	4.2	4.8
4	7"	8.4	9.6
6	10 1/2"	12.6	14.4
8	14"	16.8	19.2
10	17 1/2"	21.0	24.0
12	21"	25.2	28.8
14	24 1/2"	29.4	33.6
16	28"	33.6	38.4
18	31 1/2"	37.8	43.2
20	35"	42.0	48.0
22	38 1/2"	46.2	52.8
24	42"	50.4	57.6
26	45 1/2"	54.6	62.4
28	49"	58.8	67.2
30	52 1/2"	63.0	72.0
32	56"	67.2	76.8
34	59 1/2"	71.4	81.6
36	63"	75.6	86.4
38	66 1/2"	79.8	91.2
40	70"	84.0	96.0
42	73 1/2"	88.2	100.8
44	77"	92.4	105.6
46	80 1/2"	96.6	110.4
48	84"	100.8	115.2
50	87 1/2"	105.0	120.0
Floor to center of upper tapping		20 3/16"	23 3/16"
Floor to center of bottom tapping		2 1/2"	2 1/2"

6 TUBE
UTICA MIDGET RADIATORS



SPECIFICATIONS

Height		19"	25"	32"
Width at Legs		7 ⁷ / ₈ "	7 ⁷ / ₈ "	7 ⁷ / ₈ "
No. of Sections	Length 1 ³ / ₄ " per Section	Sq. Ft.	Sq. Ft.	Sq. Ft.
1	1 ³ / ₄ "	2.3	3.0	3.7
2	3 ¹ / ₂ "	4.6	6.0	7.4
4	7"	9.2	12.0	14.8
6	10 ¹ / ₂ "	13.8	18.0	22.2
8	14"	18.4	24.0	29.6
10	17 ¹ / ₂ "	23.0	30.0	37.0
12	21"	27.6	36.0	44.4
14	24 ¹ / ₂ "	32.2	42.0	51.8
16	28"	36.8	48.0	59.2
18	31 ¹ / ₂ "	41.4	54.0	66.6
20	35"	46.0	60.0	74.0
22	38 ¹ / ₂ "	50.6	66.0	81.4
24	42"	55.2	72.0	88.8
26	45 ¹ / ₂ "	59.8	78.0	96.2
28	49"	64.4	84.0	103.6
30	52 ¹ / ₂ "	69.0	90.0	111.0
32	56"	73.6	96.0	118.4
34	59 ¹ / ₂ "	78.2	102.0	125.8
36	63"	82.8	108.0	133.2
38	66 ¹ / ₂ "	87.4	114.0	140.6
40	70"	92.0	120.0	148.0
42	73 ¹ / ₂ "	96.6	126.0	155.4
44	77"	101.2	132.0	162.8
46	80 ¹ / ₂ "	105.8	138.0	170.2
48	84"	110.4	144.0	177.6
50	87 ¹ / ₂ "	115.0	150.0	185.0
Floor to center of upper tapping		17 ⁵ / ₁₆ "	23 ⁵ / ₁₆ "	30 ⁵ / ₁₆ "
Floor to center of bottom tapping		2 ¹ / ₂ "	2 ¹ / ₂ "	2 ¹ / ₂ "

UTICA MIDGET RADIATORS

Midget Radiators are tapped 1¹/₄" top and bottom both ends . . . air-valve tapings are 1¹/₈".

All radiators are regularly furnished with 2¹/₂" legs, but can be supplied on special order with 4¹/₂" legs or without legs at no extra charge.

Radiators sold only in even numbers of sections up to a maximum of 56 sections.

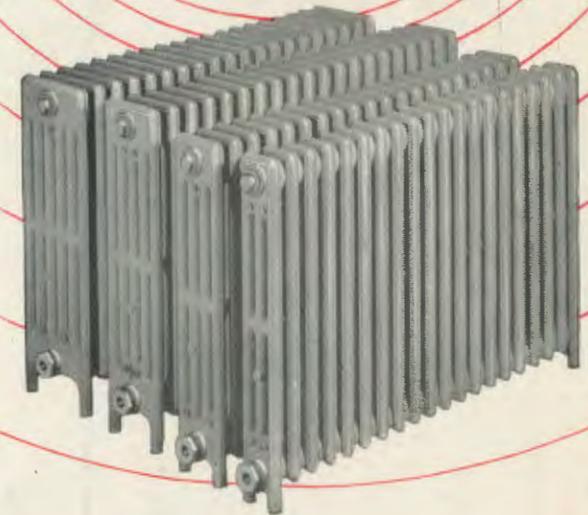
These radiators conform with the industry's Simplified Practice Recommendation R174-47, Cast-Iron Radiators, issued by the U.S. Dept. of Commerce.

UTICA RADIATOR CORPORATION
UTICA, NEW YORK

SOLD BY

UTICA Midget RADIATORS

*For Sun-Like Radiant Heat
For Compact Efficiency
For Lifetime Comfort*



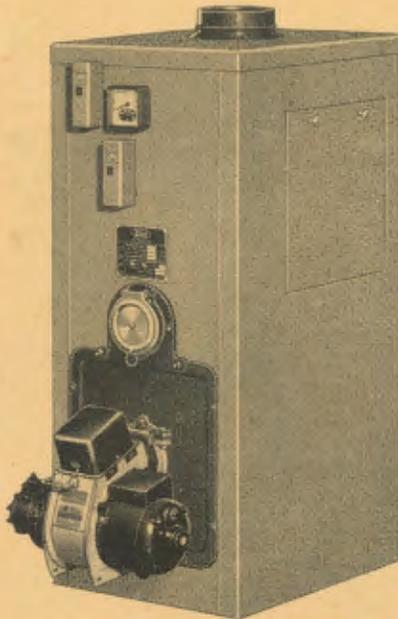
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UTICA, NEW YORK

TRADE PRICE SHEET
BOILERS and RADIATION

Effective September 10, 1962

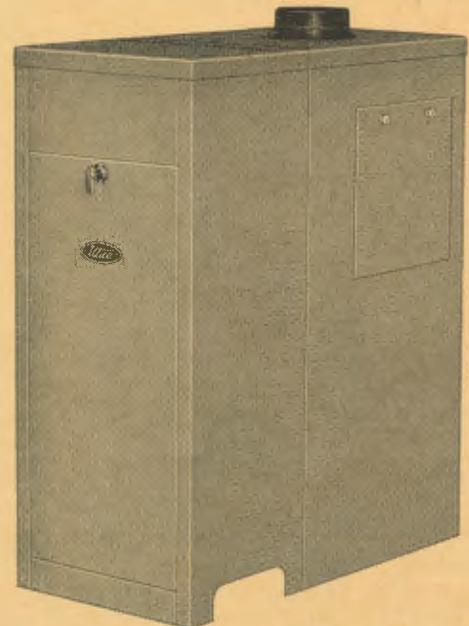


STARFIRE
OIL BURNING BOILER



Flush Jacket Model

Wet Base
Cast Iron
Vertical Flue Travel
For Hot Water or Steam
in all sizes



Extended Jacket Model

UTICA RADIATOR CORPORATION
UTICA, NEW YORK



Reg. U.S. Pat. Off.

STARFIRE WET BASE OIL-BURNING BOILER

Arranged for, but less built-in tank or tankless heater (See Note)

ASME Pressure Relief Valve is furnished as standard equipment on all Water Boilers.
If Relief Valve is not desired, see Page 3 for deduction from trade price.

WATER

Boiler No.	I-B-R RATING		†Net Sq. Ft.	TRADE PRICE including Combustion Chamber and Flush Jacket	Chimney Size	I-B-R Firing Rate	Approximate Shipping Weight
	Gross B.T.U.	Net B.T.U.					
03-W	89,000	66,800	445	\$ 210.00	8" x 8" x 15'	.90	525
04-W	121,000	91,500	610	\$ 260.00	8" x 8" x 15'	1.20	650
05-W	153,000	114,800	765	\$ 310.00	8" x 8" x 15'	1.50	765
06-W	185,000	138,800	925	\$ 370.00	8" x 8" x 15'	1.80	885
07-W	216,000	162,000	1080	\$ 435.00	8" x 8" x 15'	2.10	1000

†Water ratings at 170° F — 150 btu.

STEAM

Boiler No.	I-B-R RATING			TRADE PRICE including Combustion Chamber and Flush Jacket	Chimney Size	I-B-R Firing Rate	Approximate Shipping Weight
	Gross B.T.U.	Net B.T.U.	Net Sq. Ft.				
03-S	89,000	66,800	278	\$ 210.00	8" x 8" x 15'	.90	525
04-S	121,000	91,500	381	\$ 260.00	8" x 8" x 15'	1.20	650
05-S	153,000	114,800	478	\$ 310.00	8" x 8" x 15'	1.50	765
06-S	185,000	138,800	578	\$ 370.00	8" x 8" x 15'	1.80	885
07-S	216,000	162,000	675	\$ 435.00	8" x 8" x 15'	2.10	1000

NOTE: Specify and add \$3.25 if heater opening cover plate is required.

Add \$27.50 to above prices if jacket extension is desired. Jacket extension provides 16' enclosure in front to cover burner and controls. Approximate Shipping weight, 30 lbs.

STANDARD EQUIPMENT: Water Boilers — Starfire Boiler, Flush Jacket, Molded Refractory Combustion Chamber, Thermaltimeter Gauge, ASME Pressure Relief Valve.

Steam Boilers — Starfire Boiler, Flush Jacket, Molded Refractory Combustion Chamber, Steam Gauge, Safety Valve, Gauge Glass and Fittings.

EXTRA EQUIPMENT See page 3

HEATER DATA

Heater No.	Heater Rating	TRADE PRICE	Approximate Shipping Weight
22	3 gal. per min.	\$ 26.00	18
28	4 gal. per min.	\$ 32.00	20
35	†5 gal. per min.	\$ 35.00	24
66	66 gal. per hour	\$ 22.00	16

†When installed in 06 or 07 water boiler sizes.

Add \$2.24 to heater price to include Flow Regulator (Specify G.P.M. required).

Note: If no built-in heater is used specify heater cover plate when ordering boilers.

Deduct \$4.00 for omission of ASME Pressure Relief Valve, water boilers only, and specify on orders "Less ASME Relief Valve."

Low Water Cut-off

McDonald & Miller No. 369—\$16.75

McDonald & Miller No. 67— 20.50

OIL BURNER and CONTROL SETS DATA

Available only with non-packaged Starfire

Price includes Oil Burner, Nozzle (Specify Boiler size) Barometric Draft Control, RA816A Primary Control

SYSTEM	SET NO.	CONTROLS		
Water-less circulator without summer-winter domestic water	No. 1	1—T86A Thermostat 1—L4006A Aquastat		
	Water-with circulator without summer-winter domestic water	No. 2	1—T86A Thermostat 1—L4006A Aquastat 1—R845A Switching Relay	
No. 2A		1—T86A Thermostat 1—L8048A High Limit and Relay		
No. 2B		1—T86A Thermostat 1—L4062B Circulator and Limit Control		
2 zones w/circulators	No. 2C	2—T86A Thermostat 1—L8048A High Limit Control and Relay 1—R845A Switching Relay		
		No. 2D	3—T86A Thermostat 1—L8048A High Limit Control and Relay 2—R845A Switching Relay	
3 zones w/circulators			No. 2E	2—T86A Thermostat 1—L8048A High Limit Control and Relay 2—V8031B 3/4" Zone Valve 1—AT72D Transformer
	No. 2F	3—T86A Thermostat 1—L8048A High Limit Control and Relay 3—V8031B 3/4" Zone Valves 1—AT72D Transformer		
		No. 3		1—T86A Thermostat 1—L4006A Aquastat 1—L6006A Circulator and Limit Control 1—RA89A Relay
				No. 3A	1—T86A Thermostat 1—L8024A Triple Aquastat Relay
2 zones w/valves	No. 3B	1—T86A Thermostat 1—L4006A High Limit Control 1—L6047A Operating and Circulator Control		
		No. 3C	2—T86A Thermostat 1—L8024A Triple Aquastat Relay 1—R845A Switching Relay	
			No. 3D	3—T86A Thermostat 1—L8024A Triple Aquastat Relay 2—R845A Switching Relay
3 zones w/circulators	No. 3E	2—T86A Thermostat 1—L8024G Triple Aquastat Relay 2—V8031B 3/4" Zone Valve		
		No. 3F	3—T86A Thermostat 1—L8024G Triple Aquastat Relay 3—V8031B 3/4" Zone Valve	
2 zones w/valves	No. 4		1—T86A Thermostat 1—12045 (W.R.) Pressure Control	
			No. 5	1—T86A Thermostat 1—12045 (W.R.) Pressure Control 1—L4006A Operating Control
3 zones w/valves				
	Steam-without summer-winter domestic water			
Steam-with summer-winter domestic water				

When control sets other than supplied as standard equipment are required, they may be ordered at the following additional trade prices:

Water Control Set No. 1 — \$120.00	Water Control Set No. 3 — \$143.20
No. 2 — 134.50	No. 3A — 133.05
No. 2A — 127.65	No. 3B — 139.30
No. 2B — 124.20	No. 3C — 155.40 plus extra circulator
No. 2C — 150.00 plus extra circulator	No. 3D — 177.70 plus 2 extra circulators
No. 2D — 172.25 plus 2 extra circulators	No. 3E — 179.65 add \$1.00 for 1" and \$3.00 for 1 1/4" zone valve
No. 2E — 173.00 add \$1.00 for 1" valve \$3.00 for 1 1/4"	No. 3F — 205.70 add \$1.00 for 1" and \$3.00 for 1 1/4" zone valve
No. 2F — 199.10 add \$1.00 for 1" valve \$3.00 for 1 1/4"	Steam Control Set No. 4 — 120.00
	No. 5 — \$130.35

Add \$2.00 to Trade Price for substitution of RA817A Intermittent Ignition Primary Control in place of RA816A with constant ignition.

Add \$6.60 to Trade Price if two-stage pump is required.

Add \$11.00 to Trade Price for substitution of T832A Day-nite clock thermostat.



UTICA STARFIRE "ACE"

Cast-Iron Crated Oil Burning Boiler Unit

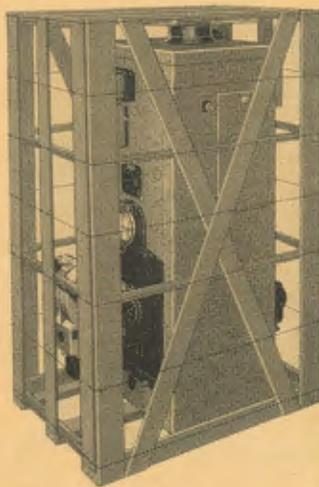
WITH* TANKLESS HEATER

BOILER No.	I-B-R RATING		†Net Sq. Ft.	Trade Price	Chimney Size	I-B-R Firing Rate	Approx. Shipping Weight
	Gross B.T.U.	Net B.T.U.					
ACE-1 WH	89,000	66,800	445	\$437.00	8" x 8" x 15'	.90	660
ACE-2 WH	121,000	91,500	610	\$493.00	8" x 8" x 15'	1.20	770
ACE-3 WH	153,000	114,800	765	\$557.00	8" x 8" x 15'	1.50	925

†Water ratings at 170°F — 150 btu.

Add \$27.50 to above prices if jacket extension is desired. Approximate shipping weight 30 lbs.

*66 gal. storage heater furnished on special orders



ABOVE PRICES INCLUDE STANDARD EQUIPMENT

- | | |
|---|--|
| <ul style="list-style-type: none"> Crated Starfire boiler Flush jacket Refractory combustion chamber *Tankless heater <ul style="list-style-type: none"> No. 22 for ACE-1 No. 28 for ACE-2 and ACE-3 Oil Burner Circulator and riser size <ul style="list-style-type: none"> 1" for ACE-1 1 1/4" for ACE-2 and ACE-3 A.S.M.E. relief valve | <ul style="list-style-type: none"> Boiler drain **TM86A (M.H.) thermostat RA-816A Primary control L-8024A Triple aquastat relay **Barometric draft control ***Flow Regulator <ul style="list-style-type: none"> 3 g.p.m. for ACE-1 4 g.p.m. for ACE-2 and ACE-3 Ther-altimeter gauge Wiring harness Polyethylene cover |
|---|--|

**Not installed on boiler — shipped in crate, packed in separate carton

***Not furnished with storage heater

LESS TANKLESS HEATER and HEATER CONTROLS with cover plate

BOILER No.	I-B-R RATING		†Net Sq. Ft.	Trade Price	Chimney Size	I-B-R Firing Rate	Approx. Shipping Weight
	Gross B.T.U.	Net B.T.U.					
ACE-1 LH	89,000	66,800	445	\$404.00	8" x 8" x 15'	.90	660
ACE-2 LH	121,000	91,500	610	\$456.00	8" x 8" x 15'	1.20	770
ACE-3 LH	153,000	114,800	765	\$520.00	8" x 8" x 15'	1.50	925

†Water ratings at 170°F — 150 btu.

Add \$27.50 to above prices if jacket extension is desired. Approximate shipping weight 30 lbs.

ABOVE PRICES INCLUDE STANDARD EQUIPMENT

- | | |
|---|--|
| <ul style="list-style-type: none"> Crated Starfire boiler Flush jacket Refractory combustion chamber Oil Burner Circulator and riser size <ul style="list-style-type: none"> 1" for ACE-1 1 1/4" for ACE-2 and ACE-3 A.S.M.E. Relief valve | <ul style="list-style-type: none"> Boiler drain *TM86A (M.H.) thermostat RA-816A Primary control L-8048A High limit control and relay *Barometric draft control Ther-altimeter gauge Wiring harness Polyethylene cover |
|---|--|

*Not installed on boiler — shipped in crate, packed in separate carton

ADD \$6.60 to TRADE PRICE if two-stage pump is required

UTICA "CONSTELLATION" GAS BOILER

Gas Fired Cast Iron Sectional Residential Boiler Unit
For Natural, Manufactured, Mixed and L. P. Gases

Water and Steam — Available with Built-in Tankless Heater

WATER

Boiler No.	A.G.A. RATING B.T.U. PER HOUR		NET I-B-R RATING		Trade Price	Approx. Shipping Weight
	Input	Output	B. T. U. Per Hour	Sq. Ft. Water Radiation		
2G4-W	138,000	110,400	82,500	555	\$360.00	603
2G5-W	176,000	140,800	105,800	705	394.00	721
2G6-W	214,000	171,200	128,300	855	431.00	841
2G7-W	252,000	201,600	151,500	1010	478.00	940
2G8-W	290,000	232,000	174,000	1160	535.00	1059

STEAM

Boiler No.	A.G.A. RATING B.T.U. PER HOUR		NET I-B-R RATING		Trade Price	Approx. Shipping Weight
	Input	Output	B. T. U. Per Hour	Sq. Ft. Water Radiation		
2G4-S	138,000	110,400	82,500	345	\$395.00	614
2G5-S	176,000	140,800	105,800	440	429.00	732
2G6-S	214,000	171,200	128,300	535	466.00	852
2G7-S	252,000	201,600	151,500	630	513.00	946
2G8-S	290,000	232,000	174,000	725	570.00	1070

NOTE: Deduct 10% from ratings for L. P. Gases

STANDARD EQUIPMENT

Assembled Boiler.	Automatic Recycle Diaphragm.	Flash Pilot Ignitor.	Boiler Drain.
Insulated Jacket.	Gas Valve with Transformer.	Pressure Regulator.	Flue Brush.
Drilled Port Burner.	Manifold and Gas Control.	Main Shut-off Gas Valve.	Pilot Valve.
Integral Draft Hood.	Pilot Filter (Mfg. gas only).	Safety Pilot with Controls.	

WATER BOILER: Theraltimeter Gauge
Limit Control
A.S.M.E. Relief Valve

STEAM BOILER: Steam Gauge
Safety Pop Valve
Water Gauge Set
Pressure Limit Control
67 Low-Water Cut-Off
Syphons for Gauge and Limit Control.

ORDERING INSTRUCTIONS:

Specify the following: Boiler Number
Kind of Gas: Manufactured, Natural, Mixed.
Heat Value of Gas in B.T.U.
Specific Gravity of Gas
Current Available, Voltage and Cycle, if different than 115 Volts, 60 Cycle.

NOTE: For elevations above 2,000 feet, ratings should be reduced at the rate of 4 per cent for each 1,000 feet above sea level.
For installations on combustible floors add \$6.00 to above prices for steel floor plate (must be ordered with boiler).

HEATER DATA

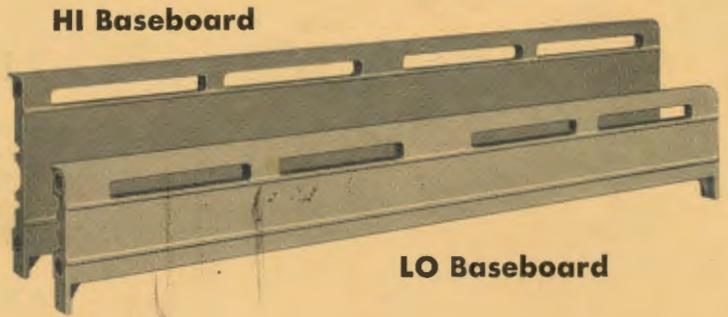
Tankless Heater	Boiler Size	Flow Regulator Size	Trade Price
Number		Gallons per min.	
175	2G4	3½	\$38.00
	2G5	3½	
	2G6	4	
	2G7	4½	
	2G8	5	
Storage Heater	Boiler Size	Heater Ratings	Trade Price
Number	All 2G Sizes	Gallons per hour	
66-G		66	\$25.00

Ratings based on 100° temperature rise with boiler water at 200°F.

UTICA

Radiant

BASEBOARD PANELS



RATING	sq. ft. per lineal ft.	SHIPPING WEIGHT per lineal foot	TRADE PRICES	
			per sq. ft.	per lineal ft.
HI	3.6	16 lbs.	\$1.12	\$4.032
LO	2.35	10 lbs.	\$1.12	\$2.632

ACCESSORIES	TRADE PRICES	
	HI	LO
Left hand valve enclosure	\$ 1.50	\$ 1.20
Right hand valve enclosure	1.50	1.20
Outside corner piece	1.50	1.50
4 1/2" x 90° inside corner	1.00	1.00
10 1/2" x 90° inside corner	2.00	2.00
10 1/2" x 135° inside corner	3.00	3.00
Extension panel — 4 ft. length	2.50	2.50
Splice plate . . . . .	.40	.40
End cap . . . . .	.50	.50
Bracket . . . . .	.40	.40
Plastic finish molding — 10 ft. lengths	1.00	1.00
Assembly tool	10.00	10.00
3" corner connector	2.03	2.03
9" corner connector	2.75	2.75
*Center leg . . . . .	.20	.20
*Holding clip . . . . .	.10	.10
Aluminum foil — 100 ft. rolls:		
when ordered in place of paper backing	4.50	3.50
when ordered separately	7.00	6.00

*Regularly furnished with panels
 **Regularly furnished with panels except when foil is ordered



5 1/2" Left Hand
Valve Enclosure



5 1/2" Right Hand
Valve Enclosure



Outside
Corner



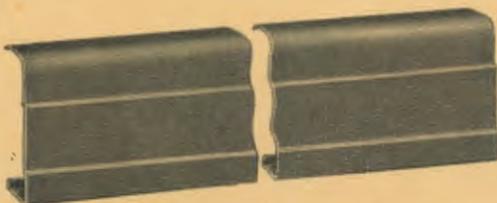
Inside
Corner



10 1/2" x 90°
Inside Corner



10 1/2" x 135°
Inside Corner



4-Foot Extension Panel



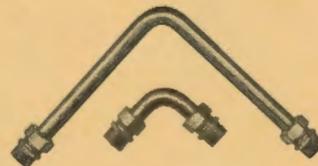
Splice
Plate



End
Cap



Hanging
Bracket



3" and 9"
Corner Connectors



Center
Leg



Holding
Lug

Made in U.S.A. by
BEAVERITE
BEAVER FALLS, N.Y.
3C4-295