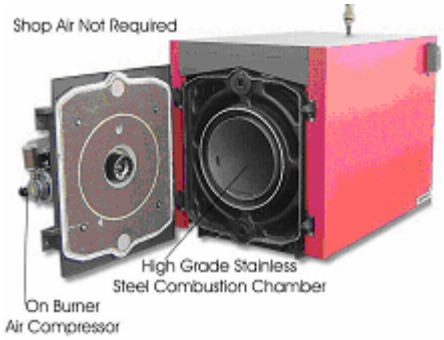
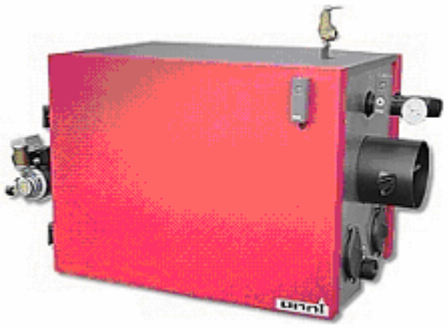
"BUILT TO STAND THE TEST OF TIME"

WASTE-OIL FIRED EQUIPMENT By EconoHeat, INC

The Omni Waste Oil Boilers

		
OWB-50 the front and side	**Easy clean up with swing out door**	**OWB-50 showing the back**

Boiler Specifications

Models	OWB-9	OWB-15	OWB-25	OWB-35	OWB-50
Output Capacity BTU/HR	76,500	127,500	212,500	297,500	425,000
Net Rating, Water BTU/HR	66,500	110,800	184,700	258,600	369,500
Net Rating, Water Sq. Ft.	522	875	1,450	2,030	2,900
Burner GPH	0.60	1.00	1.70	2.40	3.30
Flue Diameter, In.	7	7	7	10	10
Shipping Weight, lbs.	580	780	980	2,080	2,280
Width, In.	23	33	42	52-5/8	57-5/8
Height, In.	24-5/8	24-5/8	24-5/8	36-1/2	36-1/2
Depth, In.	23-3/4	23-3/4	23-3/4	33-1/4	33-1/4
Approx. Water Content, Gal.	5.5	8.2	10.8	28.5	31.7

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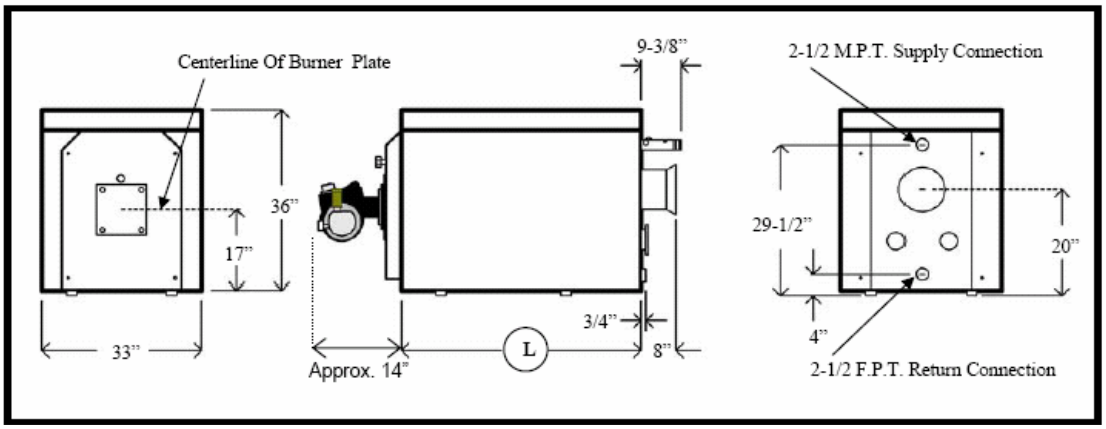

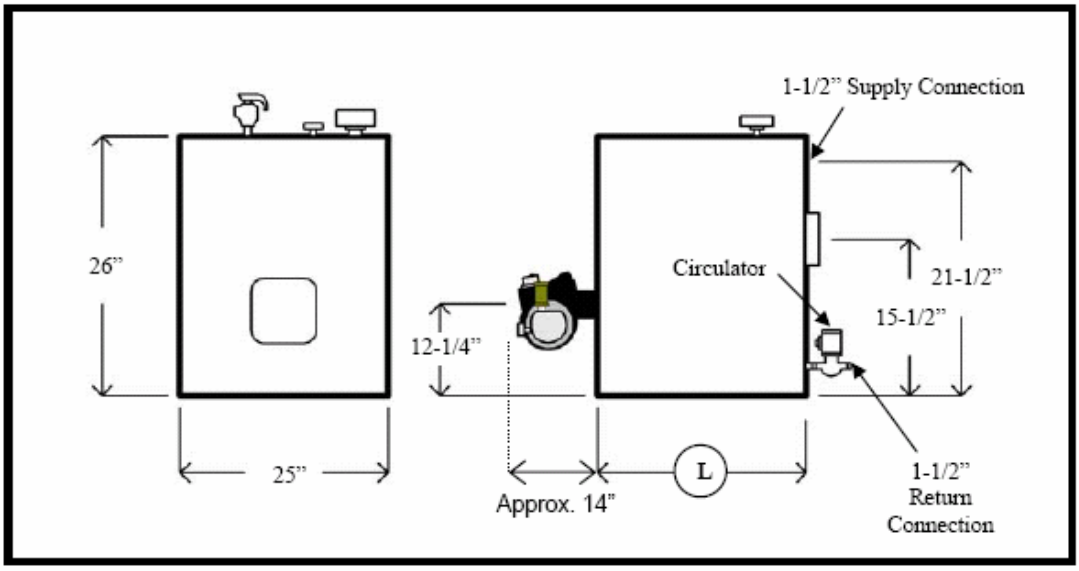

Boiler Model	Burner GPH	Input BTU's	Output Capacity BTU's	NET Rating Water BTU/HR.	NET Rating Water SQ.FT.	Approx. Dry Weight Lbs.	Vent Connect Dia. Inches	Dim "L" Inches	Water Content Gal.	Max. Water Working Pressure
OWB-9	.60	90,000	76,500	66,500	522	527	7	24-1/4	5.5	60PSI
OWB-15	1.0	150,000	127,500	110,800	875	716	7	34-1/4	8.2	60PSI
OWB-25	1.7	250,000	212,500	184,700	1,450	902	7	44-1/4	10.8	60PSI
OWB-35	2.4	350,000	297,500	258,600	2,030	1654	10	52	28.5	75PSI
OWB-50	3.3	500,000	425,000	369,500	2,900	1831	10	57	31.7	75PSI

Table 1.

NOTES:

1. Net ratings shown are based on a piping and pick-up allowance of 1.15.
2. Net ratings in sq. ft. are based on 170 deg F average water temperature in radiators. For higher water temperatures, select boiler on basis of net ratings in BTU/HR.
3. Firing rate in G.P.H. is based on oil having heat value of 150,000 BTU/GAL.
4. 4% reduction of output for every 1,000 ft. of elevation.

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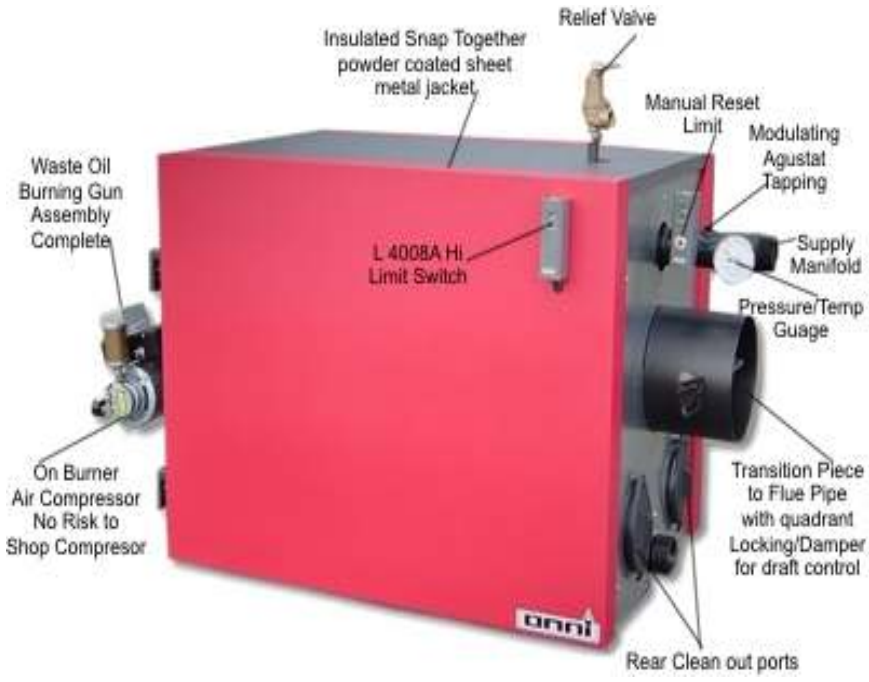
Waste Oil Boiler Standard Features



- Refractory Insulated Hinged Front Door with Sight Glass
- Insulated Jacket
- ASME Relief Valve 30 PSI
- Theraltimeter Gauge
- Draft Inducer (Optional)
- Boiler Drain
- **High Limit Aquastat Relay Combination (L-8148A) Except Models 35 And 50**
- **Circulator - Except Models 35 And 50**
- **Relay - Models 35 And 50 Only**
- Flow Control Oil Supply Pump
- Serviceable Oil Filter
- **Pre-built Control Manifold Models 35 And 50 Only**
- Low Water Cutoff Control
- Manual Reset High Limit Aquastat Control
- High Grade Stainless Steel Combustion Chamber Liner

Easy to Maintain

Swing out door allows money saving serviceability to the High Grade Stainless Steel Combustion Chamber Liner and the heat transfer surfaces. The high-grade stainless steel combustion chamber liner allows for easier cleanup and better burn efficiency. Unlike traditional boilers that require hours of disassembly, the Omni's hinged front door provides instant access to all of the boilers' interior surfaces.

All service and cleaning can be completed literally in minutes, creating additional savings. **A clean boiler is a more efficient boiler.**

A Revolutionary Boiler Design

Omni's unique design provides high efficiency. The OMNI cast iron boiler is a revolutionary idea in industrial heating. It utilizes the highly efficient, extremely durable Scotch Marine design principle that has been proven in decades of use in large commercial and industrial heating systems. Crown Boiler Company of Germany manufactures the boiler and the sections are assembled there as well**.**

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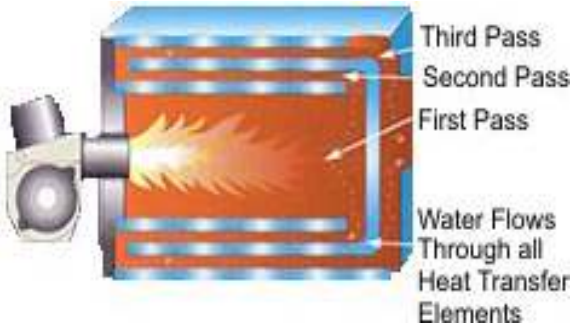
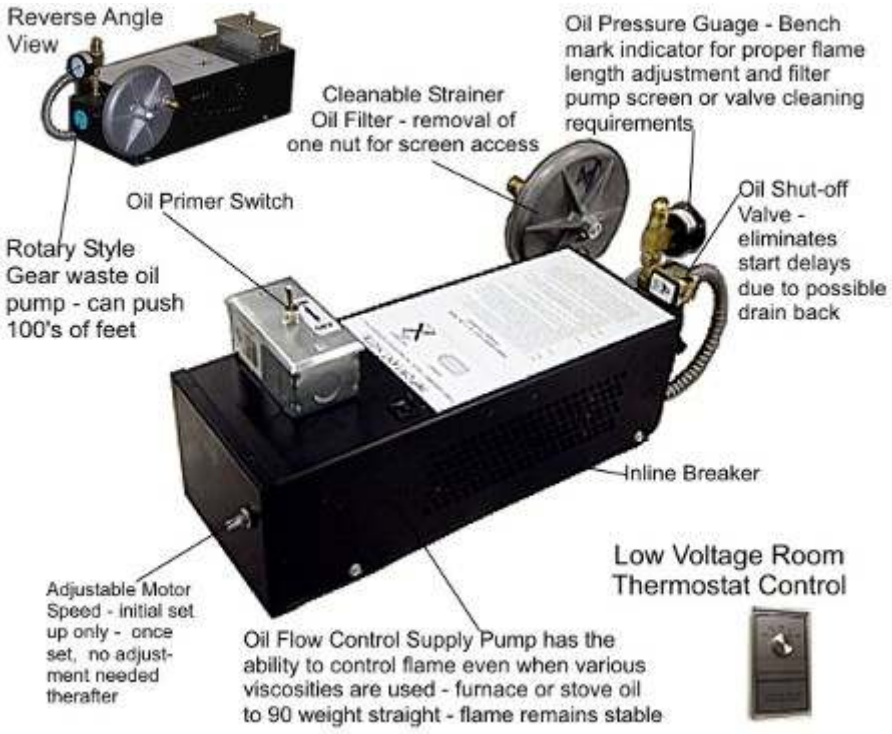


OMNI's Three Pass Scotch Marine Design

This unique wet base design passes the hot combustion gases three times through the boiler under **negative pressure**. This maximizes the gases contact with the boiler's water transfer surface area. The result: 84% Efficiency, Burns Clean, Zero Smoke

Our competitor's conventional one-pass design is less efficient and requires time-consuming, cumbersome disassembly of parts for cleaning**.**

Superior Performance with Omni's Patented Flame Control System. Omni includes built-in vane oil-less compressor as standard equipment. Our compressor requires no maintenance and allows the unit to be operated 24 hours/day without an external air supply. You eliminate the risk of destroying a shop air compressor if an airline were to rupture.



Industry's ONLY Non-Carboning Oil Preheater block with Solid State circuit board controller.

These items precisely control the oil and air temperatures to insure stable viscosity for optimum control of the flame resulting in a thorough burn. The heater block **never carbons** or needs to be removed for cleaning. Industry normal annual parts kit not needed with Omni's system! Read-justment of electrodes and nozzle replacement every 5 years is all that is needed due to erosion only.

Oil Flow Control Supply Pump with variable DC Motor has the ability to control a stable flame even when various viscosities of fuel are used like 10 to 90 weight motor oil, fuel oils, vegetable oil, mineral oil, kerosene, diesel, transmission fluid, synthetic oil after it's been used and gasoline up to 30% by tank volume. The motor can push the waste oil over 100 feet in distance and 25 feet in elevation.

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Omni Waste Oil Boilers Models and Specification

Model	**OWB-9**	**OWB-15**	**OWB-25**	**OWB-35**	**OWB-50**
BTU/HR Input	90,000	150,000	250,000	350,000	500,000
BTU/HR Output @ 2000 feet elevation	76,500	127,500	212,500	297,500	425,000
@ 3000 feet elevation	72,900	121,500	202,500	283,500	405,000
@ 4000 feet elevation	69,300	115,500	192,500	269,500	385,000
@ 5000 feet elevation	65,700	109,500	182,500	255,500	365,000
@ 6000 feet elevation	62,100	103,500	172,500	241,500	345,000
@ 7000 feet elevation	58,500	97,500	162,500	227,500	325,000
@ 8000 feet elevation	54,900	91,500	152,500	213,500	305,000
@ 9000 feet elevation	51,300	85,500	142,500	199,500	285,000
@10000 feet elevation	47,700	79,500	132,500	185,500	265,000
@11000 feet elevation	44,100	73,500	122,500	171,500	245,000
Gallons per Hour	0.60	1.00	1.70	2.40	3.30
Voltage Requirements	115	115	115	115	115
Amps, Full Load w/pump	10.5	10.5	10.5	10.5	10.5
Exhaust Vent inches	7	7	7	10	10
4% reduction of output for every 1,000 feet of elevation					

Adjustments can be made to the flow rate of the oil from the pump, to increase the BTU's of the OWB-9, OWB-15, OWB-25, OWB-35 and OWB-50 boilers. This should be done with a beaker test to determine the flow rate. High elevation changes to the air bands may not be effective.

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Compare Boiler Features	OMNI	Other Manufacturer
Non-Carboning Heater Block	✔	**N/A**
Fully Self-Contained Burner (onboard oil and air pump) Select Model	✔	**N/A**
On-Burner Air Compressor	✔	**one other**
Burns 90 Weight and Synthetic Oils	✔	**N/A**
Heaters and Boilers are both backed by the industry's most comprehensive full 10 Year Non-ProRated Limited Warranty	✔	**N/A**
Braised Plate Stainless Steel Exchangers (high grade)	✔	**N/A**
Burner and Combustion Chamber End Plate Doors Both Swing Out for Easiest Cleaning	✔	**N/A**
Exclusive 3 Pass Design provides the longest burn with the highest efficiency (87% Efficiency)	✔	**N/A**
Patended Oil Flow System controls fuel by volume. No adjustments needed for various viscosities	✔	**N/A**

What You Would Have to Pay a Competitor to Match OMNI Standard Features

- Annual Burner Repair Kit: $200+
- Optional On-Board Air Compressor: $300-$600+ Additional Compressor Increases Electrical Demand - Costs: $??
- Optional Oil Flow Control Supply Pump: $400+
- Additional Costs for Ductible Units: $300 - $800+
- Maximum Burn 50 Weight
- Optional Longer Life Stainless Steel Construction: $300+
- Annual or MORE Preheater Carbon Flush Service Costs: $??
- More Service Technician Costs such as Travel and Time: $??

When comparing an OMNI with more features and less maintenance to the Competition.. The best bargain at a competitve price is the easy choice...

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Look at the OMNI Advantages

Long burn path combined with scotch marine triple pass design provides the best combination of high efficiency and super-low maintenance.

Stainless steel chamber is standard. OMNI waste oil boilers feature high grade stainless steel combustion chamber liner. Stainless steel is the longest lasting, most durable material available for high temperature applications of waste oil burning. This liner creates a secondary burn resulting in a more thorough burn - less ash build up.

Patented Oil Flow System controls fuel by volume. OMNI's patented flow control system regulates fuel by volume. Conventional waste oil burners use a preset pump and control fuel delivery with a fuel pressure regulator. This conventional system creates variable to fuel flow and cause over and under firing.

Swing out burner. Allows easy access for cleaning of burner nozzle and end cone if needed. Combustion chamber annual clean out is easy. OMNI provides complete access to inside of combustion chamber and heat exchangers with the largest openings in the industry. Large boilers come equiped with flue brushes.

Full access clean out door. OMNI provides complete access to the inside of heat exchanger and combustion chamber through our full clean out panel. Other manufacturers provide only limited access or require clean out of exchangers which are too small to thoroughly reach.

OMNI burns fuels from kerosene to 90W gear oil (including synthetics). OMNI's hands-off system combines our patented oil preheat and oil flow control to **burn a wider range of fuel than other waste oil burners, with no adjustments.**

Highest quality heaters/boilers/air conditioners on the market. OMNI's advanced design, high level of quality and craftsmanship combine to make OMNI the premier unit in the industry today.

State of the art, solid stat Oil Preheat System. OMNI's patented system provides consistent oil temperature and viscosity to the burner. Solid state controls allow only a 3° variance in oil temperature. This maintains oil viscosity and results in the most thorough, clean and consistent burn available. Other manufacturers' mechanical preheat systems allow large temperature variances which cause varied fuel viscosity and inconsistent flame in combustion chamber, resulting in uneven heat and quicker failure of chamber.

Preheater heats both oil and air at the same time for optimum atomization (spray) and completeness of burn.

Electronic oil shut off valve eliminates nozzle drip - won't allow stalagmite of sludge at the bottom of the chamber.

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Patented Oil Preheat System <u>ELIMINATES</u> the need for routine disassembly of your burner to scrape out carbon build up in the oil heat block. OMNI's patented oil preheater uses advanced technology to eliminate the need for cleaning. Our superior design **<u>will not carbon</u>**. OMNI is the only manufacturer that can say this!

Built-in air compressor. OMNI includes a built-in vane oil-less compressor as standard equipment. Our compressor requires no maintenance and allows the unit to be operated 24 hours/day without an external air supply. You eliminate the risk of destroying a shop air compressor if an air line were to rupture.

Omni Waste Oil Boilers
Limited Warranty

Econo Heat (manufacturer) warrants to the purchaser of Waste Oil Boilers will be free from defects in materials and workmanship for the durations specified below, which duration begins on the date of delivery to the customer. Customer is responsible for maintaining proof of date of delivery.

If return is deemed necessary for warranty evaluation and determination of repair or replacement, boiler is to be sent to the factory with freight prepaid. Econo Heat reserves the right to determine appropriate action for repair or replacement.

No parts will be accepted by Econo Heat without RA# (return authorization number) clearly marked on outside of shipping package. Obtaining RA# requires model and serial numbers, description of part being replaced and nature of defect. Call factory to receive RA#.

Warranty Covers:

1. Boiler Cast Iron Jacket, Twelve (12) years. (Parts Only)
2. Stainless Steel Combustion Tube Insert, five (5) years limited. (Part Only)
3. Oil Pre-Heater Block, twenty (20) years. (Part Only)
4. Oil Pre-Heater Block Controller PCB, three (3) years. (Part Only)
5. All other components, one (1) year. (Parts Only)

This warranty is void if:

1. Warranty registration card is not returned within thirty (30) days of purchase.
2. Any part or component subject to abuse or altered from original manufactures specifications.
3. Installation not in accordance with instructions.
4. Has not been properly maintained, operated or has been misused.
5. Wiring not in accordance with diagram furnished with boiler.
6. Boiler is operated in the presence of chlorinated vapors.

Warranty is limited to the original purchaser.

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The above warranty is in lieu of all other warranties expressed or implied. Econo Heat does not authorize any person or representative to make or assume any other obligation or liability that is not in accordance with above warranty. **Econo Heat is not responsible for any labor cost unless prior authorization in writing has been obtained.**

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