

REZNOR®

Waste Oil Boilers

(350 & 500 MBH)



ABUNDANT HOT WATER

FOR FACILITY HEATING AND PROCESS HOT WATER APPLICATIONS

ELIMINATION OF HEATING COSTS

AND ENVIRONMENTAL CONCERNS RELATED TO HAULOFF OF
WASTE OILS

The Best of Both
Technologies

REZNOR®

COMBUSTION

Buderus

HYDRONICS

Founded in 1888, Reznor is the world's oldest and largest manufacturer of industrial and commercial unit space heating products. It's only logical that Buderus is the manufacturer of choice for boilers utilizing the Reznor advanced burner, fuel delivery and combustion technologies. Buderus has manufactured quality boilers since 1731. That's centuries of hydronics expertise! Buderus boilers are designed to meet strict safety and environmental regulations and are acknowledged as the world standard in high-efficiency hydronic heating. In 2007, Buderus was selected "**Manufacturer of the Year**" by the members of NAOHSM, the National Association of Oil Heating Service Managers.

The Best Design

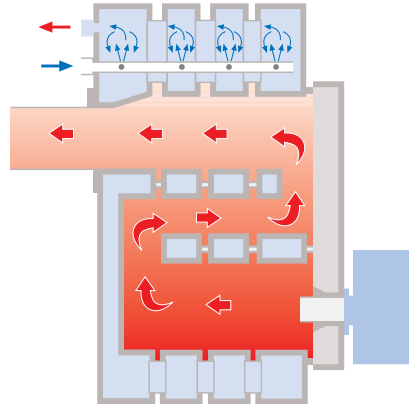
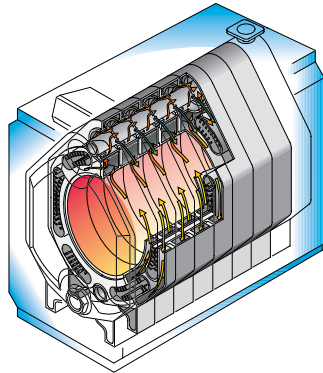
Full Three-Pass, "Thermostream Design"

- Optimum combustion, lower stack temperature and higher thermal efficiencies
- Large heat area with minimal stack heat loss
- 3.5" to 4" of thermal insulation provide low standby heat losses
- Continuous low temperature operation under normal return water*
- Condensation and thermal shock are eliminated.
- Balanced water flow throughout all boiler sections ... no hot spots or cold spots.

Full-swing, reversible burner door for excellent serviceability

Fully serviced and easily cleaned from the front

350,000 & 500,000 BTU Input



The Best Materials

Silicone-injected ML-180M Gray Cast Iron

- Excellent corrosion resistance
- 40% greater flexibility and elasticity
- Exceptional casting characteristics
- High thermal conductivity



The Best
Workmanship

Centuries of hydronic experience

- Precise castings eliminate the need for manual grinding.
- Precision assembled sections for long, trouble free operation.
- A permanent dry door gasket ensures repeated positive sealing of the full-swing burner door.
- High-temp sealants sustain pressurized operation



The Best ... Period!

Together, Reznor & Buderus offer an easily-installed, service-friendly, long-lasting boiler that is designed right, built right and backed right. Let Reznor & Buderus provide the best solution for your waste oil disposal and facility heating needs. Reznor Waste Oil Boilers are backed by the nation's largest network of waste oil heating products distributors.

* Although the design allows any return water temperature and it is impossible to thermal shock the boiler, higher operating temperatures are preferred for optimal operational characteristics.

REZNOR®

Features

Flow Control Fuel Pump

- The remote Flow Control Pump is standard equipment on every Reznor Waste Oil Boiler, providing trouble free, reliable operation.
 - Eliminates the continual flame adjustments required on other boilers.
 - Automatically delivers precisely the correct amount of fuel, regardless of viscosity, up to SAE 50 wt.
 - Eliminates manual fuel and air adjustments



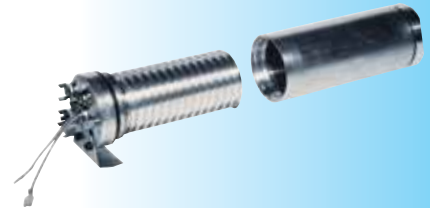
On-Board Air Compressor

- The On-Board Air Compressor, supplied with all Reznor Waste Oil Boilers, provides a self-sufficient, reliable source of clean air for optimum operation.
 - Eliminates need for your employees spending valuable time and money adjusting the air pressure for the heater (trouble-free).
 - Eliminates the use of expensive shop air compressors and issues related to condensation in shop air lines.



Oil Pre-Heating System

- The Reznor patented Oil Preheating System prepares the oil for proper combustion.
 - The Pre-Heater is located outside the burner for easy access.
 - The heavy-duty aluminum cylinder isolates the heating element from the oil.
 - Precise, thermostat-controlled preheating of the oil helps eliminate overheating and potential clogging of the oil.
 - Reliable, cleaner and more dependable operation.



Thermally Balanced Nozzle

- The Reznor Thermally-Balanced Nozzle design eliminates the problem of nozzle after-drip.
 - You get faster starts and clean cutoff for long life and smoother operation.



Operating Hour Meter

- The convenient Operating Hour Meter provides current and dependable indication as to the total hours the burner has operated since initial startup.
 - Assists in assuring the unit is serviced at proper intervals, based on actual hours of operation.



Reznor Premium Waste Oil Boiler

- Reznor Waste Oil Boilers are fully assembled at the factory, test fired, and shipped complete. Minimal assembly is required at installation.
- The Reznor boiler is made of silicone injected, gray cast iron, giving it excellent corrosion resistance, flexibility, and high thermal conductivity.
- The unique water flow pattern preheats the return water.
 - The ultra heavy duty cast iron boiler is designed to be impervious to thermal shock failure.
 - The boiler is ASME stamped, IBR rated and ETL-Listed to UL Standards.



Burning your waste oil for energy recovery via hot water is economically and environmentally smart, and an EPA-approved method of recycling used oils. The Reznor Waste Oil Boiler can provide your year-round hot water needs for heating and process hot water. If you generate sufficient quantities of waste oil, and have a need for hot water, the Reznor Waste Oil Boiler is your answer.

Optional Workbench Fuel Tank

The multi-purpose 250 gallon oil tank is for use where work and storage spaces are at a premium. It serves a dual purpose: Work Table and Oil Storage Tank. Furnished with an attractive enamel finish, this C-UL Listed Tank has toe space to provide comfortable operator working conditions. It is engineered and constructed of 12 gauge carbon steel with a durable top working surface. It has a preformed bracket for mounting the remote Flow Control Fuel Pump and a Wide Throat Fill Opening. This is pure convenience!



Technical Data

BTU's Per Hour Input		350,000	500,000
Model RAB Used Oil Fired Boiler	Height (inches)	40 3/4	40 3/4
	Width (inches)	40 1/4	40 1/4
	Depth (inches)	56 1/4	68 3/4
	Weight (lbs)	1,247	1,635
Fuel Flow Rate (Gallons per Hour)		2.5	3.57

Model OT-250 Workbench Fuel Tank	Capacity	Height	Width	Depth	Weight
	250 Gallons	37 inches	64 inches	30 inches	290 lbs

Hydronic Unit Heaters

Reznor Model WS Steam/Hot Water Suspended Hydronic Unit Heaters are design-engineered to be technically advanced and aesthetically pleasing. Use the hot water generated by the Reznor Waste Oil Boiler to provide comfort heating to your shop. This smart new concept in commercial heating units will accommodate everyone with an eye for detail and quality. The heating range of Model WS is 18,000 to 350,000 BTUH. The heat exchanger is made of one or two rows of copper or steel coils with aluminum fins, with approximately 10-1/2 fins per inch (4 fins per cm). The spacing between the fins makes cleaning and maintenance of the heat exchanger easier, which is essential in maintaining unit efficiency.



Model	Output Range	CFM Range	Dimensions -in (mm)			Approx. Net. Wt. lbs (kg)
			W	H	D	
WS	18 - 350	270 - 4750	16 7/16 (418) - 35 7/16 (900)	16 7/16 (418) - 35 7/16 (900)	18 5/16 (465) - 22 5/8 (575)	37 (17) - 146 (66)

For More Information, Call
1-855-584-3172
or visit
reznorheaters.com

Tested in compliance with **U**nderwriters **L**aboratories
Standards UL296-2006 and ZUL296A-2004.

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