

REZNOR®

Waste Oil Boiler

(140-500 MBH)



Innovation

Innovation is nothing new for Reznor® Heaters. Since 1888, when George Reznor invented the reflector type gas heater, Reznor has set the standard for gas and oil heating systems and now waste oil boilers.

Waste Oil = Free Heat

Burning waste oil for energy recovery is a great concept that also eliminates the concern of disposal. Unfortunately, waste oil is an inconsistent fuel that is difficult to burn reliably. Waste oil boilers in the past have required daily cleaning and have been unreliable, but still many of them have been sold. There is no doubt that a waste oil boiler is the ideal way to convert a potential liability into free heat.

Problems

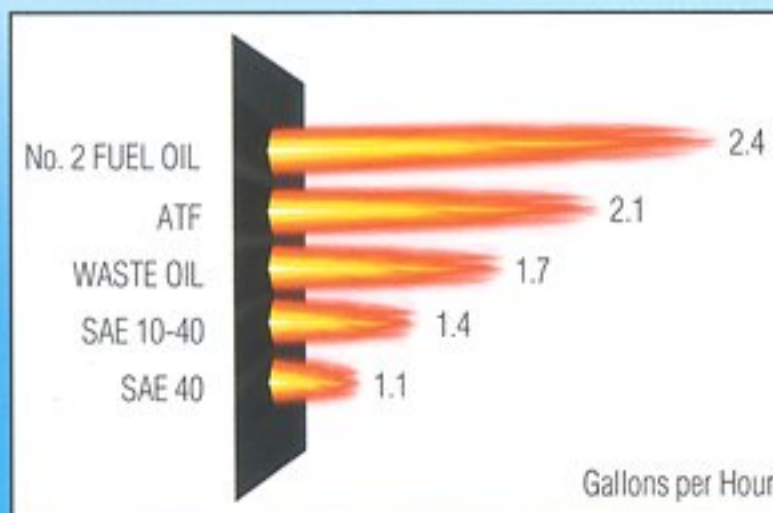
Other products rely on manual controls for oil and air pressure on the unit to compensate for the inevitable viscosity changes as different types of waste oil are added to the fuel tank. For proper performance you must continually check and adjust these pressure controls to assure the correct firing rate.

Solution

The engineering staff at Reznor developed a flow control pump that automatically delivers the correct amount of oil and assures complete combustion without adjustments for viscosities ranging from #2 fuel oil through 50 weight waste oil. This system completely eliminates manual user adjustments. There are no manual controls to adjust the fuel flow rate. Others manufacturers have copied our system but Reznor was the first to perfect this system and include it as standard equipment on all production models.

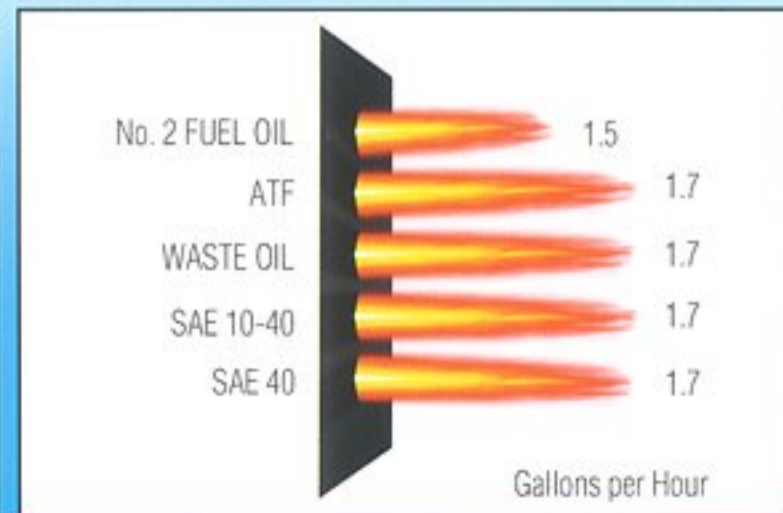
The Reznor® Waste Oil Boiler sets new standards for reliable, trouble-free service. A truly reliable, self-adjusting waste oil boiler, that doesn't require daily attention.

The Problem With Other Brands



Different flow rates cause a heater to over fire or under fire.

The Reznor® System



Flow rate held constant.

The Reznor® waste Oil Boiler can provide you with hot water year-round for applications such as truck or car washing, or process heat. If you need hot water and generate waste oil year-round, the Reznor Waste Oil Boiler is perfect.

REZNOR®

Features

Flow Control Pump

- The flow control pump is standard equipment. This pump provides trouble-free, reliable operation in a UL approved system.
 - Eliminates all the problems of continual adjustments that have to be made with other types of waste oil boilers to control flame length.



Quiet, On-Board Air Compressor

- Built-in air compressor on the burner assembly for self-sufficient, reliable, and quiet source of air, and Reznor offers it as standard Equipment
 - Eliminates need for your employees spending valuable time and money adjusting the air pressure for the heater (Trouble-Free).



Oil Pre-Heating System

- Reznor® oil warming assembly is a large aluminum cylinder which isolates the heating element from the oil itself.
 - This warms the oil slowly to prevent overheating and clogging that is typical of other brands. This means more reliable, cleaner operation for you.



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 Counter

- The Reznor® Waste Oil boiler has a timer, which automatically counts the hours of operation.
 - To maintain maximum reliability and efficiency, just check the meter and clean when needed, based on the unit's actual use.



Premium Boiler

- Your 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 ultraheavy duty cast iron boiler is designed to be impervious to thermal shock failure.



Optional
Work Bench 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 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 pump and a Wide Throat Fill Opening. This is pure convenience.



Technical Data

BTU's Per Hour Input		140,000	235,000	350,000	500,000
Model RAB Used Oil Fired Boiler	Height (inches)	34 1/2	34 1/2	40 3/4	40 3/4
	Width (inches)	29	29	40 1/4	40 1/4
	Depth (inches)	42 1/2	52	56 1/4	68 3/4
	Weight (lbs)	550	750	1,247	1,635
Fuel Flow Rate (Gallons per Hour)		1.0	1.7	2.5	3.57
Model OT Oil Storage Tank	Capacity				
	250 Gallons	35 inches	64 inches	30 inches	290 lbs

Hydronic
Model WS

Reznor® Model WS Steam/Hot Water Suspended 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 with Reznor® hydronic heaters. 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 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 to keep the unit heater efficient.



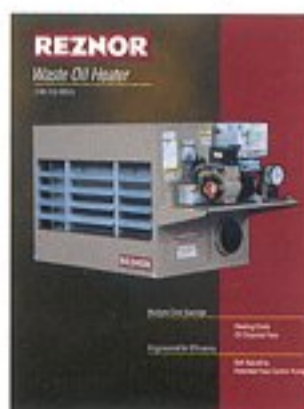
Model	Output Range	CFM Range	Dimensions -in (mm)			Approx. Net Wt. lbs (kg)
			W	H	D	
WS	18 - 350	270 - 4750	16 7/16 (418) - 35 7/16 (900)	16 7/16 (418) - 35 7/16 (900)	18 5/16 (465) - 22 5/8 (575)	37 (17) - 146 (66)

Other Products
From Reznor®

(See these brochures for info on other products)



Infrared, Hydronic & Electric Heaters RZ-B-HRE



Waste Oil Heater RZ-B-WOH

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