

# REZNOR<sup>®</sup>

## *Waste Oil Heaters*

(350 & 500 MBH)



### **MULTIPLE COST SAVINGS**

FACILITY HEATING COSTS

WASTE OIL DISPOSAL COSTS

### **ENGINEERED FOR RELIABILITY**

HEAVY DUTY, LONG-LIFE DESIGN

AUTOMATIC, SELF-ADJUSTING FUEL DELIVERY

# Why Reznor

## Performance

“When the team at Cummins Automotive decided to heat their premiere Mercedes-Benz service center with the waste oils they generated, owner Brian Sinclair called the premiere name in alternative heating ... REZNOR. Mike Reale of Atlanta Waste Oil Heaters assisted Cummins in selecting the proper equipment, providing expert installation and the annual cleaning of the units. According to Brian, “The units now heat the entire facility, consisting of the main garage, two smaller shops, and over 1,200 square feet of office space, with no problems.” Brian confirms that “the heaters paid for themselves within a couple of years” and that they “... continue to save Cummins Automotive thousands of dollars every year in heating costs”.



Cummins Automotive Group, Alpharetta, GA.

In addition to enjoying the savings, Brian is also pleased that Cummins Automotive is conserving energy and helping to protect the environment by recycling their own used waste oils instead of shipping them off-site. So, how does Brian really feel about Reznor Waste Oil Heaters? In his own words, **“Quality, Performance, and Efficiency, what more could you ask for?” We couldn’t have said it better!**

## Innovation - Recycling Waste Oil into Free Heat

Since 1888, Reznor has set the standard in the design, engineering, manufacturing and marketing of commercial and industrial gas and oil unit heating systems. It’s only natural that tens of thousands of waste oil producers have turned to Reznor as their source for waste oil heaters as well. Burning waste oils on-site for free heat is an excellent method of recycling fully endorsed by the US Federal EPA. The benefits of using Reznor Waste Oil Heaters is not limited to free heat as the environmental concerns of disposing of used oil are also eliminated.

## Challenges

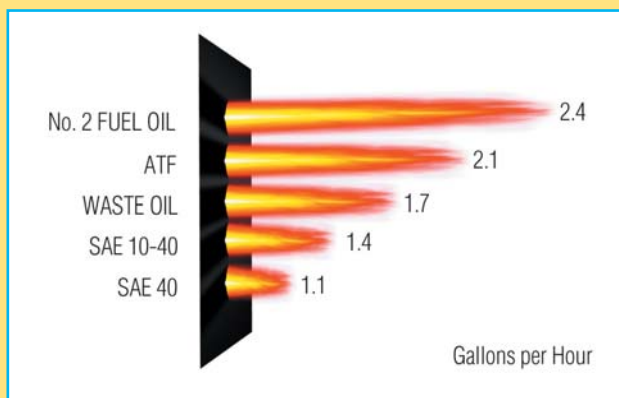
Waste oils vary by viscosity. Some heaters require daily monitoring and adjustment of manual controls of oil and air pressure to compensate for the inevitable changes in fuel viscosity as different types of waste oil are added to the fuel storage tank. A truly automatic, dependable and consistent oil supply to the heater should not require constant attention.

## Solutions

The engineering staff of 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 SAE 50 wt. waste oil. This system completely eliminates manual user adjustments. There are no manual controls to adjust the fuel flow rate. Other manufacturers have copied our system, but Reznor was the first to perfect this system and include it as standard equipment on all production models.

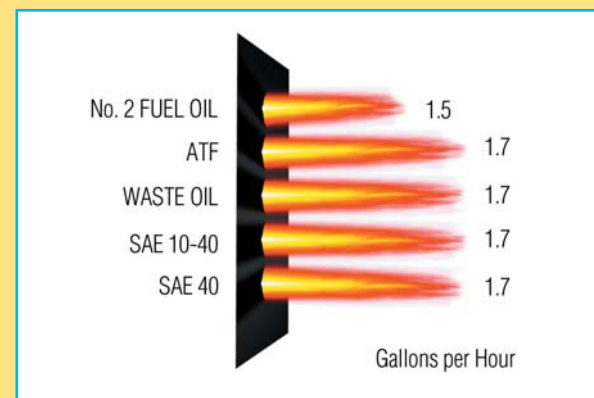
The Reznor Waste Oil Heater sets new standards for reliable, trouble-free service.

### The Problem with Other Brands



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

### The Reznor® System



Flow rate held constant.

## Industry’s Best Warranty

The Reznor Waste Oil Heater Combustion Chamber and Heat Exchanger carries the **industry’s strongest 10-Year Warranty**. Other manufacturers may provide fewer years coverage at 100% replacement value and drastically reduce the coverage of the remaining pro-rated years of warranty. Warranties may appear similar ... read the fine print!

# Features

## Designed Right!

- Large, accessible service panels provide quick and easy access and maintenance
- Flexible installation options allow ceiling support or units or use with convenient Workbench Fuel Tank and Heater Stand.
- Designed specifically for burning waste oils



## Built Right!

- Quality assurance in materials, fabrication and final product.
- Heavy-duty, long-life performance
- CSA Certified to UL Standards for operation and efficiency

## Backed Right!

- Reznor Waste Oil Heaters are backed by the nation's largest distribution network, providing the best in local after-sales service support.

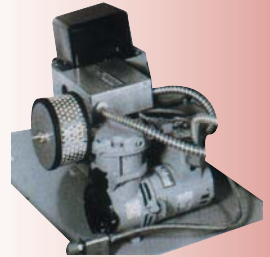
## Flow Control Fuel Pump

- 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



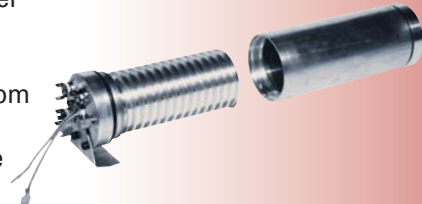
## On-Board Air Compressor

- 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.



## Flexible Installation Options

- Any Reznor Waste Oil Heater can be suspended from the ceiling. Most models can also be mounted on the optional C-UL Listed Work Bench Fuel Tank, utilizing the optional Heater Stand (see next page).
  - Reznor Waste Oil Heaters are fully assembled at the factory, test fired, and shipped complete.



***It's only waste oil if you decide not to use it!***

# Features

## 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. When combined with the optional Heater Stand and a Reznor Waste Oil Heater, you have the perfect Reznor Waste Oil Recycling Center. This is pure convenience!



## Technical Data

BTU's Per Hour Input		350,000	500,000
Model RA Used Oil Fired Space Heater	Height (inches)	41 3/8	34 3/8
	Width (inches)	72 3/4	75 5/8
	Depth (inches)	45 1/4	61
	Weight (lbs)	685	925
	CFM	5,000	6,200
	Electric (VAC)	115V	230V
	Circuit Amps	22	17
Model RAD Used Oil Fired Ductable Heater	Height (inches)	41 3/8	34 3/8
	Width (inches)	72 3/4	75 5/8
	Depth (inches)	57 1/4	74
	Weight (lbs)	810	1,025
	CFM	3,500	4,500
	Electric (VAC)	115V	230V
	Circuit Amps	29	20
Flue Size (inches)		8	10
Fuel Flow Rate (Gallons per Hour)		2.5	3.57

Model OT Oil Storage Tank	Capacity	Height	Width	Depth	Weight
	<b>250 Gallons</b>	35 inches	64 inches	30 inches	290 lbs

### DISTRIBUTED BY

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