The #1 Waste Oil Furnace In Customer Satisfaction™

CLEAN BURN

www.CleanBurn.com
The technologies for efficiently burning used-oils for reliable heat recovery are extremely demanding. Used-oil viscosities vary widely, and oils contain grime of all types. It requires precision engineering and leading edge technology to handle it right. It requires a Clean Burn heating system.

Clean Burn heating units are the longest-lasting, best-engineered in the industry. The bottom line for your business is obvious. Within a very short time, the investment in a Clean Burn used-oil heating system pays back more handsomely than any other alternative available. With our unmatched service and support, you’ll realize energy savings and a comfortable working environment.

It’s time you experienced the one investment that is sure to pay both immediate and long-term dividends. It’s time for a reliable source of free heat.

WHY CLEAN BURN
THE CLEAN BURN ADVANTAGE

The #1 Selling Used-Oil Furnace of All Time
Discover
The Clean Burn
Advantage
Turn Your Oil Flow
Into Cash Flow

High-Efficiency Furnaces:
More Heat From Less Oil
Your company’s used-oil is a free source of fuel. But the efficiency of your heating system’s design and the quality of its construction will determine how far you can stretch your savings. When faced with unpredictable energy costs, only Clean Burn can maximize the value of your oil.

At the heart of Clean Burn’s amazing efficiencies is the Clean Burn Heat Exchanger. Our furnaces are specially designed to allow up to 250% greater heated surface area compared to other competitive systems. The result—far greater heat recovery and longer service life.

The Legendary Burner System
Engineered from the ground up specifically to burn used oils, the combination of pre-heater block, ignition system and special retention head make the Clean Burn Burner unique in the industry.

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IT’S TIME FOR CLEAN BURN
Clean Burn boilers provide “instant” hot water for a wide range of applications, with high efficiency in used oil heat recovery.

Coil-Tube Design is the heart of this unique low mass boiler system.

ASME H-Stamp Certified Boiler

Clean Burn Coil Tube Boilers can be stacked as part of a larger system. Your Authorized Clean Burn Distributor is fully trained and knowledgeable about used-oil boiler applications.

“INSTANT HEAT”—VERSATILE BOILER TECHNOLOGIES

Clean Burn boilers provide “instant” hot water for a wide range of applications, with high efficiency in used oil heat recovery.
For reliability and installation options, nothing else compares. Superior Clean Burn pumping systems carry the potential to pump oil up to 300’ distance with minimum -40°F oil temperatures, and are powerful enough to draw oil stored in outside tanks.

Typical “Off-The-Shelf” Competitor’s Pump
- Plastic Coupling or Fabricated Sheet-Metal
- Plastic Gears, Grease-Packed
- Low-Torque Fan-Cooled Open Motor

Clean Burn’s Powerful & Dependable Metering Pump
- Steel Drive Shaft
- Heavy Duty Steel Gears In Oil Bath
- High Torque, Totally-Enclosed Motor

NOTHING ELSE MATCHES THE POWER & DEPENDABILITY OF A CLEAN BURN
For reliability and installation options, nothing else compares. Superior Clean Burn pumping systems carry the potential to pump oil up to 300’ distance with minimum -40°F degree oil temperatures, and are powerful enough to draw oil stored in outside tanks.

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Proven Technologies. Engineered Like No Other Used-Oil Heating System.

What You See Makes It A Clean Burn.

What You Can't See Makes It Burn Clean

Typical “Blast Tube”
Low-Efficiency Design

- Less Heat Delivered To Your Work Area
- Lower Surface Area For Heat Transfer
- More Heat Escapes Through Your Chimney
- Require Excessive Maintenance
- Shorter Equipment Life

Clean Burn
Advanced “Clean Burn”
High-Efficiency Heat Exchanger

- Maximum Heat Delivered To Your Work Area
- 250% More Surface Area For Greater Heat Transfer (compared to competitive units)
- Less Heat Loss Through Your Chimney
- Less Maintenance
- Longest Equipment Life
The Red Box.
The Common Sense Heating System.

Unmatched engineering and quality construction lie at the heart of our furnaces. Cold air is heated by contact with the large volume of heat exchange surface area as it is circulated around the flue tubes. Hot gases return through the interconnected flue tubes, transferring more heat to the room air. Used-oil is more thoroughly combusted due to our patented energy retention disk in the combustion chamber generating more heat and higher efficiency in your shop.

Precision Engineered For Maximum Performance.
Clean Burn furnaces are engineered, designed and manufactured to provide you with

1) Easier installation
2) Reduced cleaning requirements
3) Highest efficiency performance in the industry
4) Maximum service life of your furnace

Patented Heat Exchanger Performance
The patented long-lasting Clean Burn Heat Exchanger delivers more heat from less oil—while providing a longer service life.

Manufactured For Durability
Clean Burn’s unique metal-joining processes are more durable than welding. Swaging allows for expansion and contraction of the joints without cracking, to ensure a longer life.

Easy-Access Design Features—For Easy-Clean Maintenance
- In-line washable oil filter
- Vacuum gauge for filter
- Wall thermostat
- Tank filter
- Barometric damper
- Oil line fittings package
- Oil supply pump

Inside
The Red Box.

Door swings open for easy cleaning.
Burner swings out for easy service.

www.CleanBurn.com
**Model CB-3500**

The Clean Burn Model CB-3500 is rated at approximately 350,000 BTU/hr. Designed for easy installation and convenient service. UL listed for use as a unit heater or central (ducted) furnace.

*Maximum BTU/hour*  
350,000 (102 kW)

*Maximum oil consumption*  
2.5 GPH (9.5 L/h)

**Fuels**

- Used oils: Crankcase, ATF, hydraulic
- Fuel oils: #2, #4, and #5 fuel oil

**Air flow output (CFM)**

- Unit heater: 4200
- Central furnace (ducted): 0.25 SPWC (in.) 4000, 0.40 SPWC (in.) 3800

*Air compressor req’d*  
2.0 CFM @ 25 PSI  
(3.4 m³/h @ 1.7 bar)

**Stack size**  
8 inch dia. (203mm dia.)

**Furnace dimensions, assembled**  
74” L x 35 W x 61 H  
(1880mm x 889mm x 1549mm)

**Approx. weight (uncrated)**  
850 pounds (385 kg)

**Electrical requirements**

- 230 VAC 60 Hz, single phase
- 30 A circuit breaker

*Values indicated above are nominal. Actual values will vary depending on fuel and installation.*
**Furnaces**

**Model CB-2500**

The larger of the four low profile models, the Model CB-2500 used-oil furnace is rated at approximately 250,000 BTU/hr. Popular at facilities with multiple bays. UL listed for use as a unit heater or central (ducted) furnace.

- **Maximum BTU/hour**: 250,000 (73 kW)
- **Maximum oil consumption**: 1.7 GPH (6.4 L/h)

**Fuels**

- Used oils: Crankcase, ATF, hydraulic
- Fuel oils: #2, #4, and #5 fuel oil

**Air flow output (CFM)**

- Unit heater: 2700
- Central furnace (ducted): 0.25 SPWC (in.) 2500, 0.40 SPWC (in.) 2400

- **Air compressor req’d**: 2.0 CFM @ 20 PSI (3.4 m³/h @ 1.4 bar)

**Stack size**: 8 inch dia. (203mm dia.)

**Furnace dimensions, assembled**: 103.25” L x 29.25 W x 31.5 H (2623mm x 743mm x 787mm)

**Approx. weight (uncrated)**: 509 pounds (229.1 kg)

**Electrical requirements**

- 115VAC 60 Hz, single phase
- 30 A circuit breaker

**Model CB-1750**

The Clean Burn Model CB-1750 is rated at approximately 175,000 BTU/hr. Low profile design for convenient installation. UL listed for use as a unit heater or central (ducted) furnace.

- **Maximum BTU/hour**: 175,000 (51.25 kW)
- **Maximum oil consumption**: 1.2 GPH (4.54 L/h)

**Fuels**

- Used oils: Crankcase, ATF, hydraulic
- Fuel oils: #2, #4, and #5 fuel oil

**Air flow output (CFM)**

- Unit heater: 1700
- Central furnace (ducted): 0.25 SPWC (in.) 1500, 0.30 SPWC (in.) 1400

- **Air compressor req’d**: 2.0 CFM @ 20 PSI (3.4 m³/h @ 1.4 bar)

**Stack size**: 8 inch dia. (203mm dia.)

**Furnace dimensions, assembled**: 83” L x 29.25 W x 31.5 H (2118mm x 743mm x 787mm)

**Approx. weight (uncrated)**: 406 pounds (182.7 kg)

**Electrical requirements**

- 115 VAC 60 Hz, single phase
- 20 A circuit breaker
Model CB-500-CTB

- **Maximum BTU Input:** 500,000 (146.5 kW)
- **Maximum BTU Output:** 372,000 (109.0 kW)

**Fuels**
- Used oils
- Crankcase, ATF, hydraulic
- Fuel oils #2, #4, and #5 fuel oil

**Heating surface:**
- 97 sq. ft. / 9.0 sqM

**Boiler water volume:**
- 20.6 gal. / 78 L

**Design water flow per coil:**
- 37 gpm / 140 lpm

**Cabinet dimensions**
- 66.5" L x 39.75" W x 41.75" H
- 1689 mm x 1009 mm x 1060 mm

**Overall dimensions (with burner/breach/plumbing):**
- 85.25" L x 43.5" W x 47.85" H
- (2165mm x 1105mm x 1215mm)

**Approx. weight (uncrated):**
- 1600 pounds (725.7 kg)

**Electrical requirements**
- 115 VAC 60 Hz, single phase

**Maximum oil consumption:**
- 3.57 GPH (13.5 L/h)

**Stack size**
- 10 inch dia. (254mm dia.)

**Air compressor req’d**
- 2.5 CFM @ 25 PSI (4.25 m³/h @ 1.7 bar)

**Recommended clean-out:**
- 1000 hours

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Model CB-350-CTB

- **Maximum BTU Input:** 350,000 (102 kW)
- **Maximum BTU Output:** 260,000 (76.2 kW)

**Fuels**
- Used oils
- Crankcase, ATF, hydraulic
- Fuel oils #2, #4, and #5 fuel oil

**Heating surface:**
- 78 sq. ft. / 6.3 sqM

**Boiler water volume:**
- 12 gal. / 45.4 L

**Design water flow per coil:**
- 25 gpm / 95 lpm

**Cabinet dimensions**
- 56" L x 34.25" W x 41" H
- 1422 mm x 870 mm x 1041 mm

**Overall dimensions (with burner/breach/plumbing):**
- 74" L x 39.25" W x 41" H
- (1880mm x 997mm x 1041mm)

**Approx. weight (uncrated):**
- 1240 pounds (562.4 kg)

**Electrical requirements**
- 115 VAC 60 Hz, single phase

**Maximum oil consumption:**
- 2.5 GPH (9.5 L/h)

**Stack size**
- 8 inch dia. (203mm dia.)

**Air compressor req’d**
- 2.5 CFM @ 25 PSI (4.25 m³/h @ 1.7 bar)

**Recommended clean-out:**
- 1000 hours

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**Furnace and Boiler Systems Include:**
- In-line washable oil filter
- Vacuum gauge for filter
- Wall thermostat
- Tank filter
- Barometric damper
- Oil line fittings package
- Oil supply pump

*Values indicated above are nominal. Actual values will vary depending on fuel and installation.
Model CB-200-CTB

*Maximum BTU input:
200,000 (56.8 kW)

*Maximum BTU output:
148,500 (43.5 kW)

Fuels
Used oils  Crankcase, ATF, hydraulic fuel oils  #2, #4, and #5 fuel oil

Heating surface:
39 sq. ft. / 3.6 sqM

Boiler water volume:
5 gal. / 19 L

Design water flow per coil:
15 gpm / 57 lpm

Cabinet dimensions:
39.5" L x 29" W x 29" H
1003 mm x 737 mm x 737 mm

Overall dimensions (with burner/breach/plumbing):
57.5" L x 33.25" W x 37" H
(1460mm x 844mm x 939mm)

Approx. weight (uncrated):
677 pounds (304.7 kg)

Electrical requirements:
115 VAC / 60 Hz, single phase

*Maximum oil consumption:
1.4 GPH (5.3 L/h)

Stack size:
8 inch dia. (203mm dia.)

*Air compressor req’d:
2.0 CFM @ 20 PSI
(3.4 m3/h @ 1.4 bar)

Recommended clean-out:
750 hours

Used-Oil Recycling Center

When used in combination with a Clean Burn furnace, a state-of-the-art Clean Burn Recycling Center is the ideal system for collecting, storing and generating heat recovered from used oils. The Clean Burn Recycling Center works with most Clean Burn used-oil furnace models and includes a 215 gallon storage tank.

A Clean Burn Recycling Center makes oil handling and free heat generation easier because it combines the tank and furnace in one convenient unit complete with all vents, connectors, brackets, mounting plates and wiring harnesses.

Your Clean Burn Distributor is a qualified expert in system selection, installation and service, and will make sure you get the system that is perfect for your facility.

www.CleanBurn.com

Specifications are subject to change without notice.
It’s time to discover the tremendous savings your company can experience from the installation of a durable Clean Burn heating system. If your business generates used motor oil, you’ll benefit by reducing your company’s heating costs—potentially all the way to zero.

**Clean Burn. Green Burn.**

In a world faced with severe environmental challenges, Clean Burn just makes sense. First, recycling your used oil through on-site heat recovery reduces risks of spill and contamination. Second, the use of used oils as a fuel source sharply reduces pressure on natural gas and fuel oil supplies. Finally, Clean Burn used-oil combustion meets or exceeds every Environmental Protection Agency (EPA) requirement for helping preserve clean air. The EPA and corresponding agencies worldwide recognize Clean Burn equipment as a preferred method of recycling used motor oils.
World-Class Service

Three Reasons To Call Your Authorized Clean Burn Distributor Today

1) Assistance In Designing the Right Heating System for Your Business to Maximize ROI
2) Full Installation—Meeting Every Local Code
3) Service After the Sale—Highly Responsive and Unequaled

FREE Heat for a wide range of commercial facilities—including Yours

Corporate facilities of every type are discovering the tremendous energy savings that can be easily delivered through the installation of a Clean Burn Energy System:

- New Car Dealerships
- Automotive Service Centers & Shops
- Carwash Facilities
- Quick Lube & Tire Centers
- Service Facilities (RVs, trains, busses, boats, etc.)
- Construction Companies
- Excavation & Mining Companies
- Farms & Agri-Businesses
- Corporate Fleet Facilities
- Recycling/Salvage Facilities

If your business generates used-oil, your company is the ideal site for Clean Burn used-oil furnaces and boilers. You’ll benefit in many ways, including:

1) Reducing your heating costs—potentially to zero
2) Providing the safest possible handling of your firm’s waste oil
3) Reducing the need for new energy consumption from the earth’s energy reserves.

www.CleanBurn.com
More Clean Burn Used-Oil Heating Systems Are In Use Today Than Any Other Brand In The World.

Tractor Dealer
“We absolutely love this unit,” says Greg Larimore, owner of Webster County Tractor Company in Marshfield, Missouri. The company has been saving energy costs for more than four years with his Clean Burn 2500 unit. “Our Clean Burn hasn’t missed a beat—we get 100 percent free heat.”

Agri Business
“We have 17 trucks that haul thousands of cattle each year throughout the western portion of the United States,” says Brad Bingham, vice president of Bingham Livestock in Tremonton, Utah. “In maintaining those trucks, we have a great deal of used motor oils to dispose of all the time. The Clean Burn furnace we’ve had for five years is great. I think every farmer who maintains heavy equipment should have these units.”

Auto Dealer
“We recycle almost 10,000 gallons of used-oils each year with our Clean Burn units,” says Gordon Moore, vice president of McCormick Motors in Nappanee, Indiana. “The energy savings are significant. But the most important benefit is that we’ve eliminated our liability for transporting the used-oils to a disposal site and we’re doing something positive for the environment.”
Tire Center
In 2006, Robinson Tire was spending $4,000 yearly in gas heating costs. Since adding their Clean Burn furnace, they've reduced gas usage by 87 percent. The Lafayette, Indiana seven-bay auto center has just added a second Clean Burn furnace and expects even greater energy savings in the future.

Truck & Auto Dealer
“One of the first things we did when we purchased our 13,000-square foot reconditioning and clean-up building was buy our Clean Burn furnace,” says Craig Burkholder, president of Magnam Truck and Auto in Lima, Ohio. “We create more than 2,300 gallons of used-oils every year with the sports utility vehicles and trucks we sell and service. Remarkably, for the past two years the Clean Burn unit has converted our waste fuels into energy. We’re looking to buy more of these units in the near future!”

Construction Company Owner
Two Clean Burn furnaces purchased in December of 2007 recycled 6,000 gallons of used oils in just three months, saving the Kilbarger Construction of Logan, Ohio, more than $28,000.

“These units will more than pay for themselves within the first year,” says mechanic Mike Smith. “We deal with a large amount of heavy equipment, drilling rigs and trucks. They produce an exceptional amount of used-oil during their maintenance. Now we’re transforming that used-oil into free heat for our 13,000-square foot shop operations.”

Car Wash & Lube
“We’ve invested in Clean Burn units for the past 11 years because they’re a critical part of our successful operations,” says Mike Mountz, owner of Cloister Car Wash & Lube in Pennsylvania.