

Burner Booster™ 101(Explained)

What is The Burner Booster™?

Developed in 2007, the Burner Booster™ is *the only ultra-high-pressure burner system for heating systems* that burn oil. This is a revolutionary system that replaces the inefficient low-pressure burner currently in all heating systems. There is no need to replace your entire heating system in order to significantly reduce fuel consumption and operating costs. We can replace your existing burner with the Burner Booster™ in order to start saving more of your hard-earned money! 90% of our customers report that the Burner Booster™ pays for itself in less than three years!

What does The Burner Booster™ do?

The Burner Booster™ *reduces your costs by using less oil* to generate heat and energy compared to all other oil burning systems.

How does The Burner Booster™ use less fuel?

The Burner Booster™ uses less fuel *by utilizing our patented technologies, applying a combination of heat and ultra-high pressure to the fuel*, atomizing the fuel into an ultra-fine mist. This patented process results in a hotter, cleaner flame producing more BTU's per gallon of oil compared to all other oil burning systems.

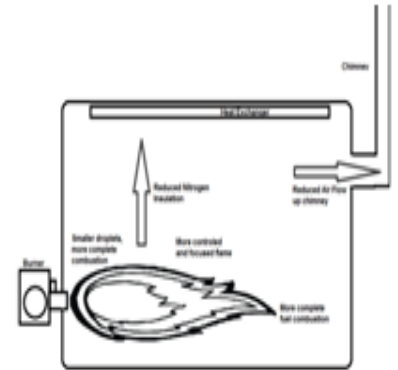


Figure 2. Oil fired boiler

- The Burner Booster's™ ultra-high oil pressure system is 1,000 PSI to 3,800 PSI compared to most industry standard pressures of only 120 PSI to 180 PSI.
- The Burner Booster™ preheats the oil prior to ignition in order to accelerate and maximize the process of oil atomization and ionization.
- Burner Booster's ultra-high pressure forces the oil through our patented ultra-fine injector nozzle, which produces the atomized mist.

Simply put, the Burner Booster™ patented process modifies the fuel oil state, causing it to perform more like a gas thus *yielding more BTU's per gallon of fuel than all other current burner systems* that have been the industry standard for more than 40 years.

What are the benefits of using the Burner Booster™?

The Burner Booster™ produces *several benefits that cannot be duplicated by other oil burning systems*:

- *15% less fuel* required per heating output = *lower operating costs* and less use of our natural resources.
- *Better* fuel-to-air ratio, which results in *less combustion air required* for operation of the system.
- *Efficient flame size* and flame control, which prevents impingement damage, uneven thermal zones and leaks from thermal shock. Shorter boiler life means *a safer burn*.
- The *more complete burn* provides a hotter flame while burning off more of the fuel along with 96% of compounds and off gasses, producing *fewer harmful emissions* and *less soot pollution*.
- The Burner Booster™ *will burn several different grades of oil and fuel blends*.

But I already have a high-efficiency system...

Yes, most modern systems are high-efficiency, eclipsing their predecessors in energy efficiency. There are several important things to consider when looking at efficiency ratings:

- Current energy efficiency ratings measure efficiency in terms of heat loss (also referred to as stack temperature). They **do not** measure the amount of fuel being used.
- **Current efficiency ratings do not account for efficiency of fuel consumption.**
- Burner Booster™ will allow your system to operate at stack temperature 100°F to 150°F lower than the traditional burner system you use today.
- The Burner Booster's™ more even flame control with less input air going into the combustion chamber makes for a greater heat transfer (less heat loss) and **improves the efficiency of the boiler's existing heat exchanger without changing or replacing it.** We have 40-50 year old boilers performing like modern boilers. Independent tests have validated this.
- The Burner Booster™ achieves **the same BTU output using less fuel** than existing burners

The bottom line from our customers

- 90% of customers show 20% to 26% savings in fuel consumption = real \$\$ savings.
- 90% of customers report less maintenance and cleaning required after 4 years.
- 98% have made little to no emergency "no-heat calls."
- The more complete burn reduces emissions and odors. Many report a dramatic reduction and in some cases, elimination of odors.
- 6% of our customers have saved more than 32% in oil, in some cases saving over \$ 28,000 a year.
- Fewer CO₂ and NO_x emissions.

In Conclusion

The Burner Booster™ technology holds **multiple U.S. Patents**. The Burner Booster™ is ETL Intertek **listed to UL 296, 296A, and 343 safety standards and is certified for use in both commercial and residential environments**. The Burner Booster™ has been in use since 2008 and is currently in service in all the New England states.

Contacting us today and start saving money and the environment.

We produce the only oil-fired burner with a savings of 8-15% reduction in oil use or your money back.



Figure 1. Comparison of tradition burner and Burner Booster combustion.

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Designing, Manufacturing, and Installing
Energy-Efficient Technologies

Revolutionary “Fuel-Injector” Burner Booster™ Oil Burner System Significantly Cuts Heating Oil Use

Manufacturer Guarantees at Least 15% Fuel Use Reduction

Dear Oil Energy User/Contractor/Consumer:

September 2013

We think you’ll want to know about the innovative fuel-injector-like oil burner system we’ve developed for cutting your oil-fired heating costs. **Since 2007, 90% of our Burner Booster™ customers have saved a consistent 20-28%** reduction in their oil use, and as a result, enjoy having a ROI (return on investment) of less than three years. And there’s no need to change your boiler! Our patented technology also cuts harmful combustion emissions by up to 70%.

Many in the combustion field say, “**It is one of the best innovations in oil heating technology in forty years.**” This is made possible by a patented pressurized pump and heater process. Our Burner Booster™ system also includes a new modified burner, tested to UL Standards, which creates a much finer oil spray mist that greatly improves your system’s combustion efficiency. This new technology doesn’t use the old efficiency methodologies. Our technology makes your existing heating system operate more efficiently than ever before and generates fuel savings for years to come and takes less than two hours to install.

The Burner Booster™ System is listed to all UL-safety standards and has proven itself over the last six years by improving operations and big fuel savings in: commercial and municipal buildings, manufacturing processes, apartment houses, townhouse complexes, college buildings and dormitories, mixed-use mill buildings, churches, and private homes. We also offer 100% equipment financing for most of our customers.

We would like to meet with you, talk about our breakthrough system, and discuss how we can affordably make it work for your application. We can come to your office or, if you wish, by appointment you can visit our production and lab facility in Holliston, Massachusetts. Please let me know what is more convenient for you. We now offer our new **TS series system** (for residences and small commercial buildings) **with 8%+ savings guaranteed** and there is no box with this new system.

In the meantime, you can find additional information at: www.theburnerbooster.com

Thank you for your interest in *The Burner Booster™*.

Best wishes,
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