



**CLASSIC
EDGE™**

Outdoor Wood Furnace



PERFORMANCE AND VALUE BY DESIGN

Introducing the revolutionary patent-pending, EPA-certified, clean-burning
Classic Edge from the leader in outdoor furnaces

CentralBoiler.com

Welcome to the best way to heat with wood.

Welcome to Central Boiler.

Your reasons for heating with wood are likely the same reasons Central Boiler was founded in 1984. But rather than just develop another way to heat with wood, Central Boiler set out to develop **better ways to heat with wood**. They dared ask the tough questions: can heating with wood be **safer, less time-consuming, cleaner and more efficient**? Today, with those questions still in mind, and a goal of continuous improvement and refinement, Central Boiler is the largest manufacturer in North America of the best-selling, industry-leading outdoor wood furnaces available.

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PEACE OF MIND Keep the fire outside and it eliminates the traditional indoor wood stove hazards. Burning wood indoors is inherently dangerous as there is a threat of a fire and carbon monoxide buildup.
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IMPROVED INDOOR ENVIRONMENT The mess stays outside with a Central Boiler outdoor wood furnace. Anyone that has burned wood inside is familiar with the smoke, ashes, odors and soot that often occur. In addition, bringing wood indoors can bring unwanted bugs, bark and dirt.
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FREEDOM TO DO MORE Those that choose to heat with wood often do so because of the cost savings. With a Central Boiler outdoor wood furnace, it can take less wood to heat more space, so no matter what your costs and time are associated with acquiring your wood supply, using less wood means you'll have more time (plus save more money!) to do other things.
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STABILITY Wood is usually sourced locally. Conventional heat sources like propane, natural gas and fuel oil will always be susceptible to price fluctuations and are irreplaceable fossil fuels. Historically, the price of electricity trends only upward.
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SUSTAINABILITY Harvesting wood with sustainable forestry practices helps to maintain a healthy ecosystem for wildlife habitats, aesthetics, soil and water quality, native biological diversity, recreational opportunities and fire prevention.

..... *"It's the right thing to do!"*

PRESERVES WILDLIFE HABITAT



Harvesting wood has a pruning effect on forests – planting new trees ensures wildlife will have a healthy habitat.

SOIL AND WATER QUALITY



Reforestation reduces erosion risks and protects watersheds that are a source of the water we drink and use.

What do you currently pay for heat?

Cost per 100 million Btu

Cost per cord of seasoned red oak	\$	x	6.61	=	\$		Cost of fuel annually
Cost for one gallon of fuel oil	\$	x	892.9	=	\$		Cost of fuel annually
Cost for one therm of natural gas	\$	x	1250	=	\$		Cost of fuel annually
Cost for one gallon of propane	\$	x	1359	=	\$		Cost of fuel annually
Cost per kilowatt of electricity	\$	x	29300	=	\$		Cost of fuel annually

Appliance efficiency will affect annual fuel cost.
Water heater savings up to an additional \$1200 per year.

“Nothing is more satisfying than walking by the nearly stopped electric meter and stepping into a house more warm and comfortable than it’s ever been.”

- Bo, IN



AESTHETICS AND RECREATION



Sustainable forestry makes more room for new and healthier growth through reforestation.

REDUCES FOREST FIRES



By harvesting old and dead trees that can easily burn, it can significantly reduce the risks of costly wildfires.





Installing your Central Boiler outdoor furnace is easier than you might think. Many customers choose to install their own furnace because the installation can be easily completed using the installation manual. Authorized Central Boiler dealers have all the supplies and accessories you need for installation and maintenance. All of our dealers can provide you with information regarding your installation, and most dealers can even handle the entire installation for you.

Sophisticated, yet simple.

How a Central Boiler outdoor wood furnace works.

While a Central Boiler outdoor wood furnace is one of the most sophisticated, technologically advanced methods to heat with wood, how it heats is a pretty simple idea. A Central Boiler outdoor wood furnace burns wood to heat water. The heated water is circulated through insulated underground pipes called ThermoPEX to the buildings being heated. Heated water can transfer its heat energy by direct circulation or by moving through one or more heat exchangers, or both.

LOCATION The Central Boiler outdoor wood furnace is located outside, typically 30 to 200 feet (but as far as 500 feet) away.

CIRCULATION The furnace contains a high volume of water that surrounds the furnace firebox and heat exchanger. This heated water is circulated to buildings through insulated underground pipes which is a highly efficient way to move heat over distances.

INTEGRATION Central Boiler outdoor wood furnaces are designed to work with your existing heating system. Water-to-air or water-to-water heat exchangers or direct circulation conveys the heat into the structure's forced-air furnace, radiant baseboard or radiant floor heating system. This allows you to control the heat simply with your thermostat.

UNLIMITED HOT WATER When you install a heat exchanger on your domestic water heater, you can enjoy unlimited hot water and the savings when you turn your water heater off.

HEAT MULTIPLE BUILDINGS Unlike an indoor wood stove, a Central Boiler outdoor wood furnace has the ability to heat multiple buildings such as a house, garage, workshop, shed, greenhouse or barn. It can even be used to heat a swimming pool or hot tub.

Installation is a breeze.

Connect the piping and heat exchangers to your existing heating system and the Classic Edge is ready to go to work.

Find additional information about how outdoor furnaces work, installation scenarios, and more at **CentralBoiler.com**

Engineered to the highest standards...ours.

A Easy Installation

Every Classic Edge model is designed with a **skid base framework** to make installation easy with or without a cement foundation. Simply set the furnace in place, connect the piping and heat exchangers to your existing heating system, and the Classic Edge is ready to go to work.

B Designed to Perform

Patented **Air Charge Tube** adds air in all the right places to aid in combustion and keeps the coals from falling through into the lower Reaction Chamber.

C Lower Emissions

Extreme temperatures in the **Fusion Combustor** re-burn the exhaust gases from the upper firebox.

D Higher Efficiency

Final combustion takes place as these gases move downward through the **Fusion Combustor** to the **Reaction Chamber** where extremely high temperatures aid in complete combustion. This entire process results in high efficiency and extremely low emissions.

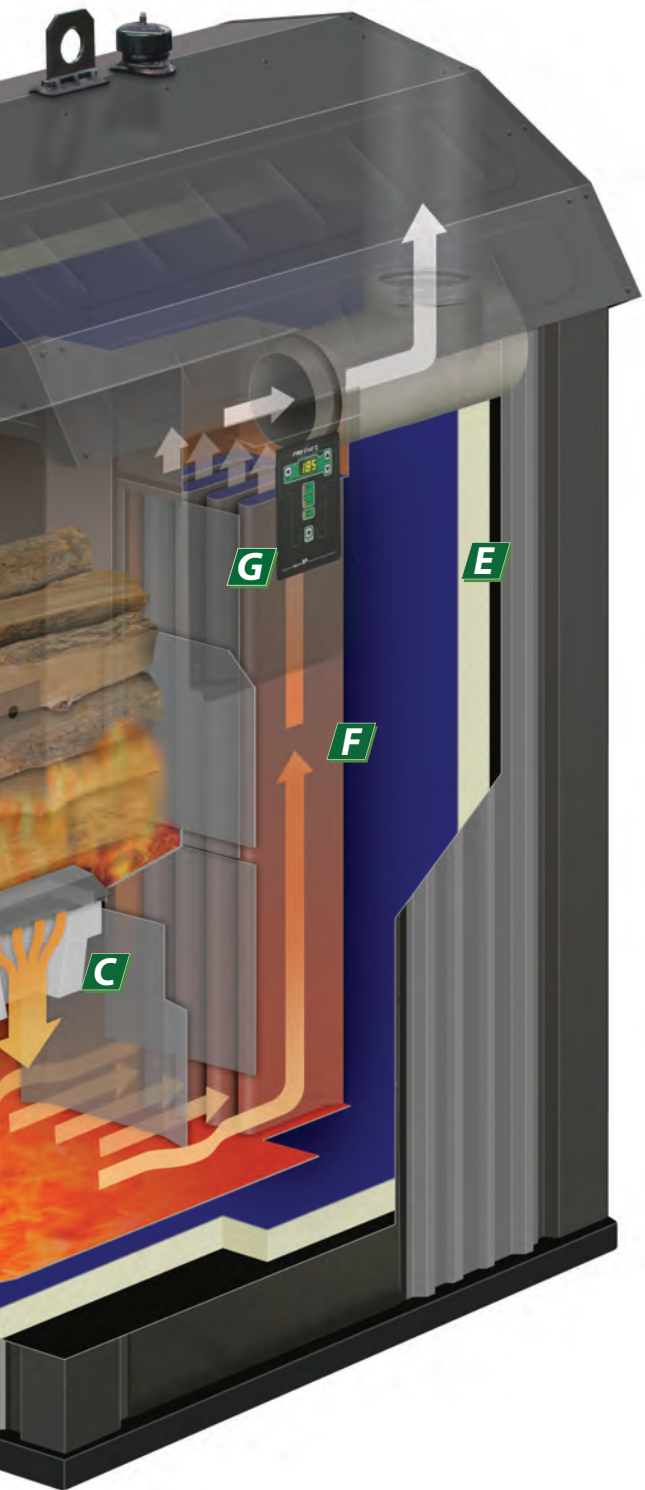
E Burn Less Wood

A hallmark of Central Boiler furnaces for over 30 years, **spray-on urethane** is the **ultimate airtight, waterproof** insulation that locks the heat in to reduce wood usage, even at temperatures of -35°F or colder. It provides 2-3 times the effective **R-value** of conventional fiberglass batt insulation. Fiberglass batt insulation also settles and compresses over time.



Comparing Insulation

	Urethane	Fiberglass Batt
Waterproof	✓	
Airtight	✓	
Effectively covers all surfaces	✓	
Maintains R value	✓	
Higher R value	✓	
Doesn't compress	✓	



UP TO
50%
LESS
WOOD*

Less

- Cutting
- Splitting
- Loading

More

- Expense
- Work
- Free Time
- Money

*Compared to traditional and some other methods of wood heating.

F Less Maintenance

Patent-pending **vertical heat exchanger** optimizes heat transfer and requires **little maintenance**.

G Ultimate Control



THE MOST ADVANCED FURNACE

Standard on all Classic Edge models, the FireStar™ II electronic controller monitors all functions of the furnace and can store and share operational data. The controller's technology optimizes the gasification process by automatically adjusting the primary and secondary air for a cleaner and more efficient burn. Operational data can be utilized with a memory card or on the FireStar™ XP module when connected to the FireStar II.

Central Boiler's Research and Development department is home to one of the most complete state-of-the-art testing laboratories in the industry. Since 1984, its goal has been to develop, engineer, test and refine a wide range of quality heating products to ensure Central Boiler quality, performance and value are in every outdoor furnace manufactured.



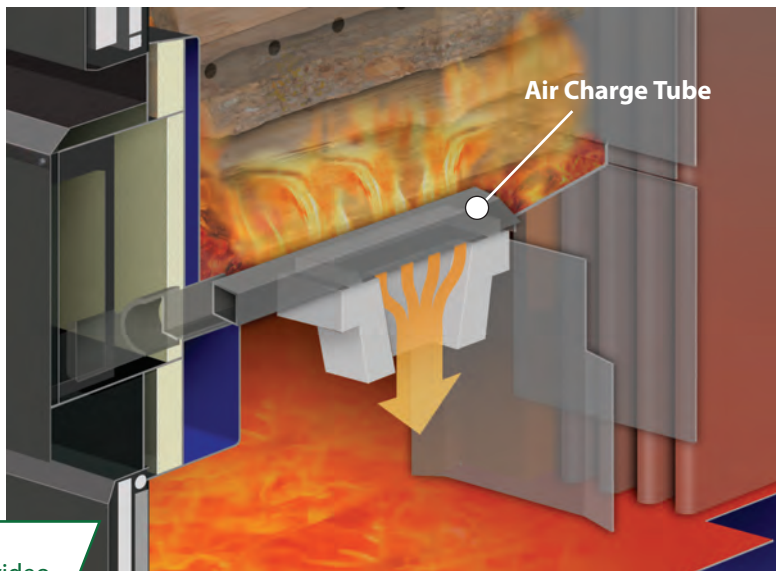
Smart features designed with you in mind.

Easier and convenient operation, and choices to fit your lifestyle.

Air Charge Tube

Unique to Central Boiler, the air charge tube takes the power of a raging fire and focuses it into a highly-efficient, low emission, engineering marvel. It prevents the coals from falling through into the lower Reaction Chamber, protects the ceramic and helps the furnace relight faster.

Ultimately, the result is increased efficiency which puts more heat into your home.



Watch the Air Charge Tube video
CentralBoiler.com > [Explore](#) > [Videos](#)



STAYING CONNECTED.

Stay connected to the furnace that saves you money on your heating bills from almost anywhere in the world. Adding the FireStar XP wi-fi module keeps you in constant contact with your Central Boiler furnace if you're away. The FireStar XP wi-fi module can even send you reminders such as when to add wood.

View operational information and receive text alerts on your smartphone.

Phone not included. Requires data plan, wireless router and internet to enable remote access.

FIRE STAR™ XP
with E-Link Technology



The optional FireStar XP is easy to install and configure.

Wireless outdoor version shown. Also available as desktop or wall-mount version.

Live FireStar XP Demo
at CentralBoiler.com

Urethane Foam Insulation

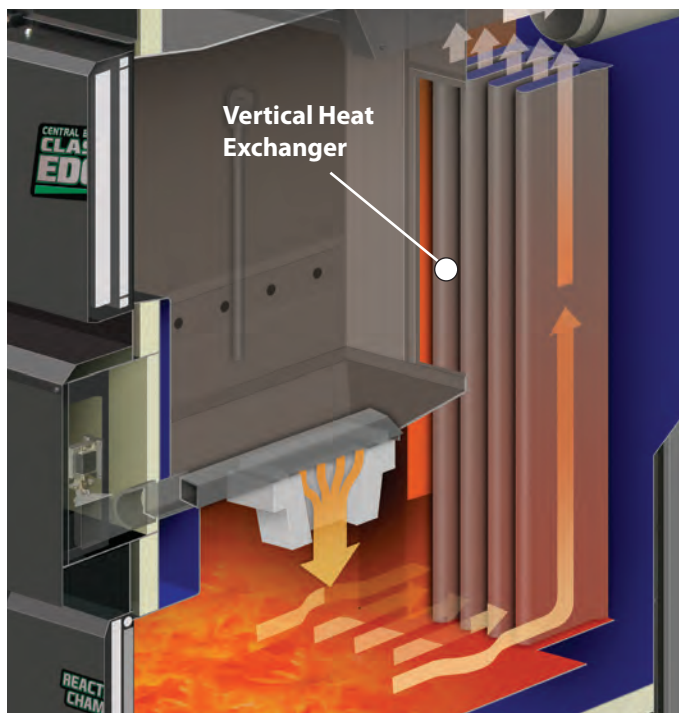
Sprayed on during the manufacturing process, urethane foam insulation is the ultimate airtight, waterproof insulation. It effectively covers all surfaces, maintains its high R-value, and won't settle or compress over time.

For you, that means having to use less wood while the Classic Edge delivers more heat to your home.

Sure, there are cheaper ways to insulate an outdoor furnace. But none are better than Central Boiler's urethane foam insulation.



Watch the Urethane Foam Insulation video
CentralBoiler.com > [Explore](#) > [Videos](#)



Vertical Heat Exchanger

Provides great efficiency and makes maintenance and operation easy.

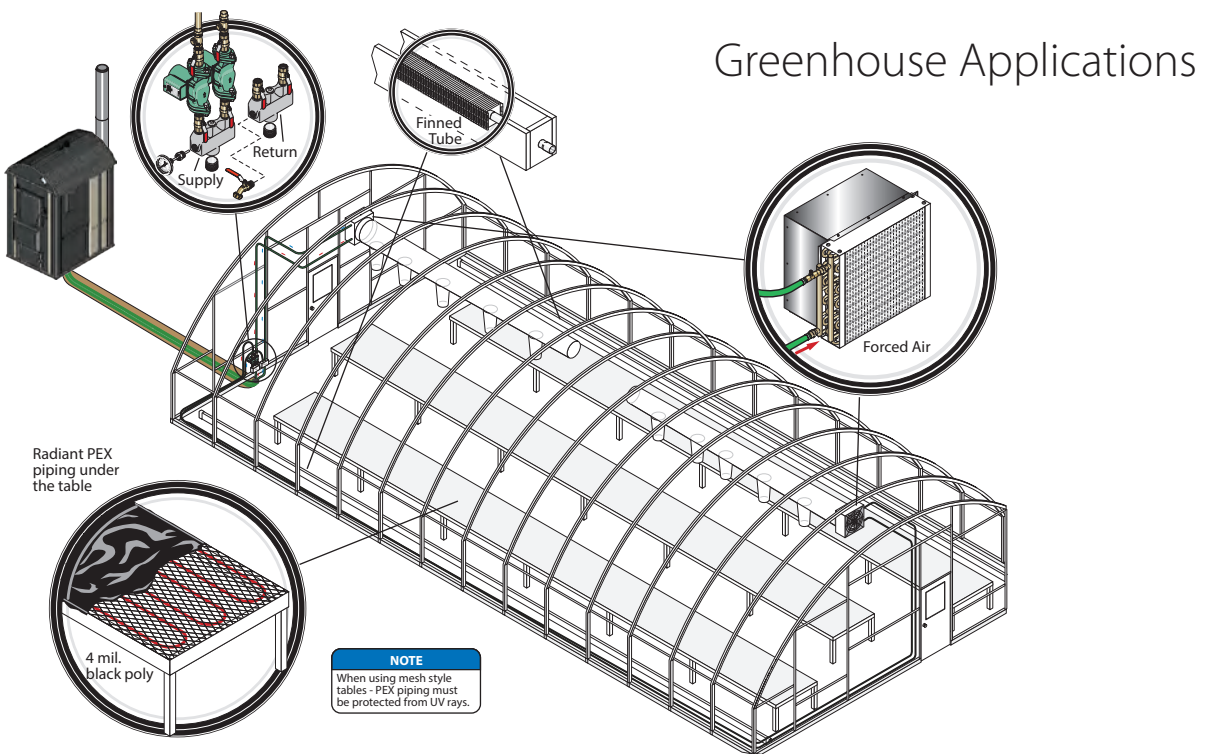
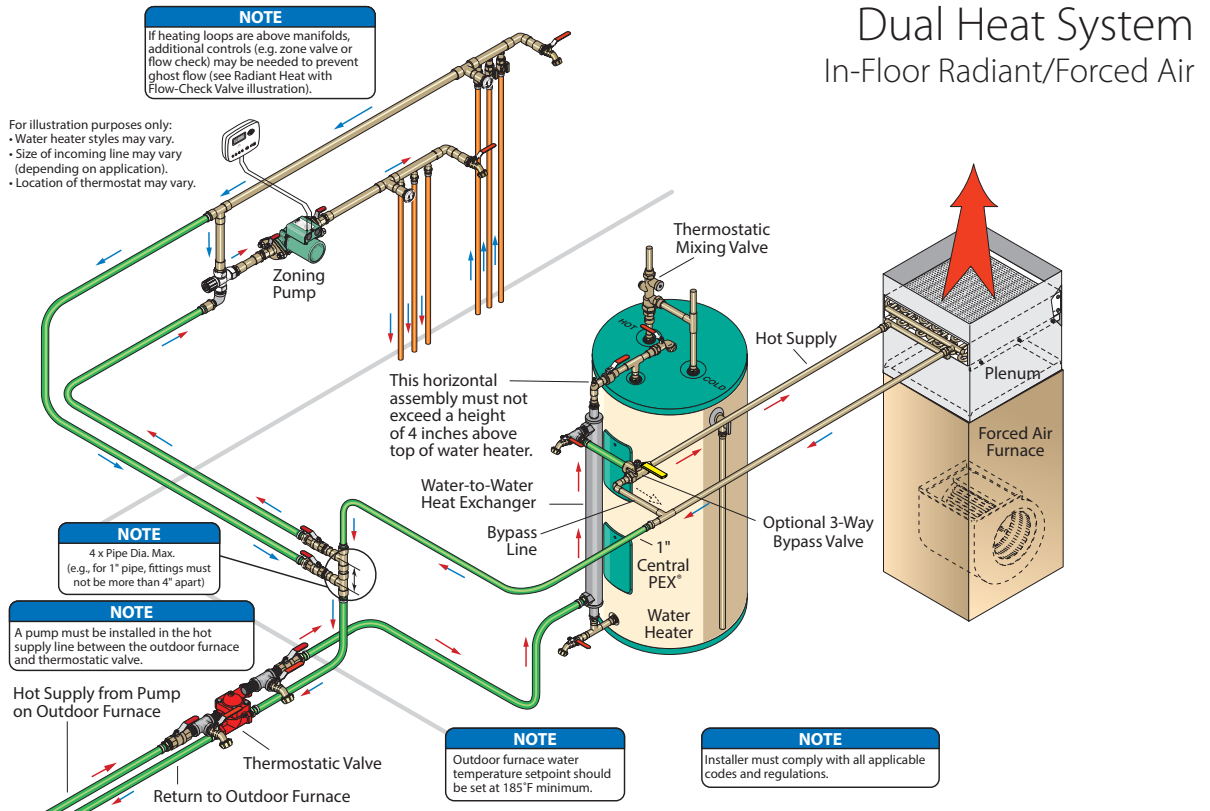
As heat passes through the heat exchanger it is transferred into the water. Small particles in the exhaust can drop to the bottom and are easy to clean out from the Reaction Chamber. In essence, a lot of the maintenance is done for you by gravity.

In other brand furnaces with a horizontal heat exchanger, particles settle in the horizontal tube or passageways, reducing exhaust flow and heat transfer efficiency. This can lead to a lot of maintenance, frequent cleaning and, over time, it can plug.

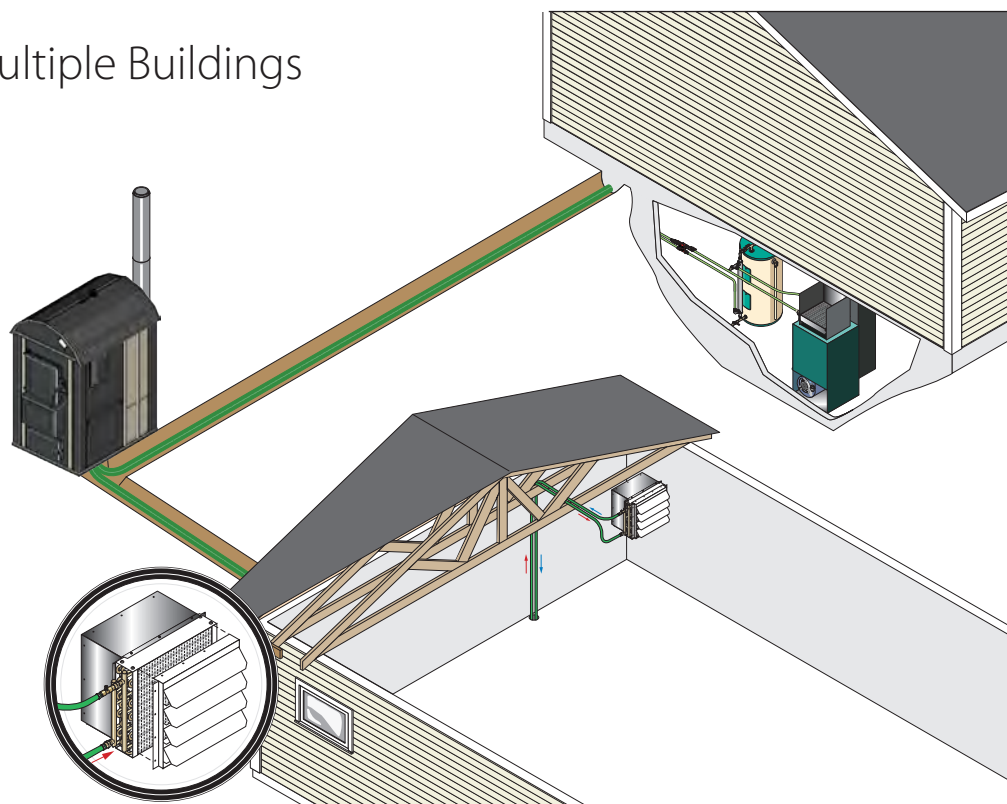


Watch the Vertical Heat Exchanger video
CentralBoiler.com > [Explore](#) > [Videos](#)

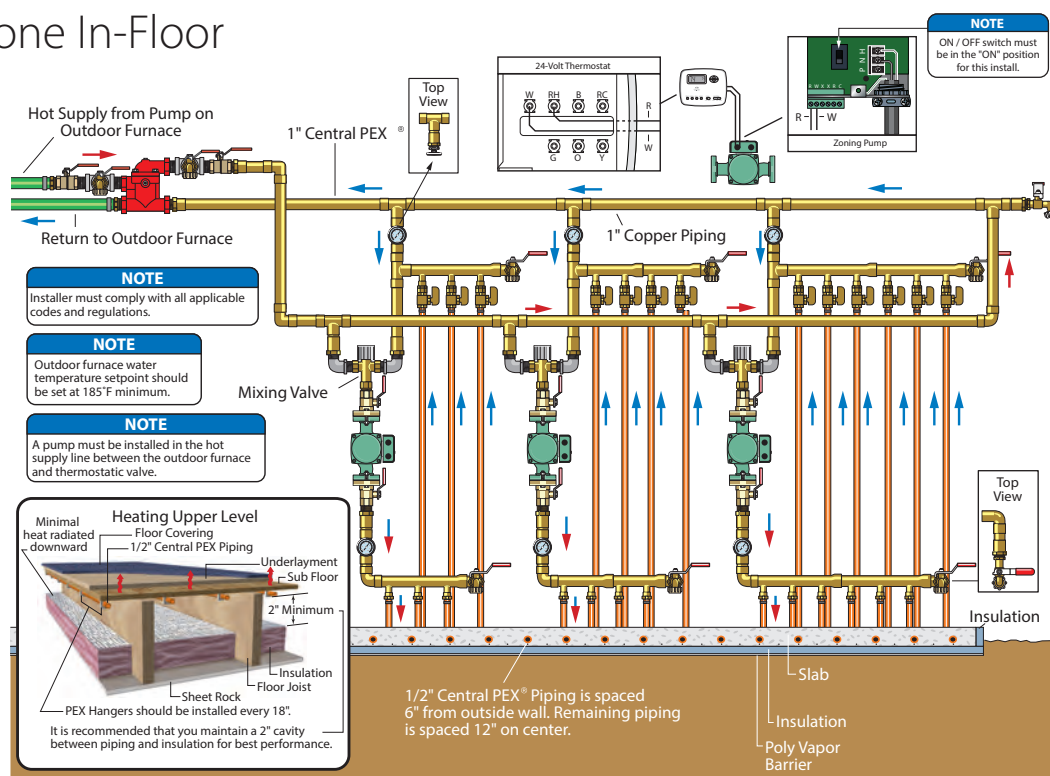
Sample Applications



Heating Multiple Buildings



Multi-Zone In-Floor



Find more applications
 at **CentralBoiler.com**



Choose ThermoPEX. Because performance matters.

Choosing the best insulated piping system for your outdoor furnace is imperative if you want to lower heat loss and reduce the amount of wood you'll burn. The ThermoPEX insulated piping system from Central Boiler is a proven system that saves energy and maximizes the efficiency of your outdoor furnace.

ENERGY EFFICIENT – ThermoPEX saves energy and maximizes efficiency. The thick waterproof jacket keeps moisture out and the inner urethane insulation locks the heat in. Greater system efficiency maximizes the delivery of heat from each pound of wood so you will burn less wood compared to a system using inferior insulated piping.

FLEXIBILITY – Easy to work with, easy to install.

RELIABILITY – ThermoPEX is a proven, time-tested insulated piping system.

INSTALLS FAST – Easy to handle and easy to install, requiring only a narrow trench approximately a foot deep.



IN A HURRY? Some ThermoPEX can be UPS shipped - see dealer for details.



Central Boiler authorized system parts and accessories

For the maximum performance and life of your outdoor furnace, always insist on using Central Boiler authorized system parts and accessories.

Your Central Boiler dealer can provide you with a complete selection of parts and accessories to simplify the installation and maintenance of your system.

To locate your nearest dealer for parts, pricing or technical information, use the Dealer Locator at CentralBoiler.com.

Download the parts and accessories catalog at CentralBoiler.com/pdf/catalog-parts.pdf

Meet owners of Central Boiler furnaces.



“This furnace is built better than all the rest, best investment that I ever made for our home.”

- Jeff, TN

“We purchased our Central Boiler last December and we love it! I sometimes find myself saying I wish I had it 10 years ago. Thanks.”

- Barry, TN

“My bill to heat our shop was \$1200 to \$1400. Now we heat our shop and home with our Central Boiler furnace. We have never had our house this warm during the winter. We don't have to worry about the cost of propane when we turn the thermostat up. We also heat our water which saves on our electric bill. I'm sure glad we invested in our Central Boiler furnace.”

- Ron, OR

“This is my fourth winter owning a Central Boiler. It has literally paid for itself at least twice already. The best investment I think I ever made.”

- Dwayne, OH

“The furnace has paid for itself. It may very well be the best investment I ever made.”

- John, WV

“My Central Boiler has been a great investment over the past 4 years. I originally started heating our house, hot water, and attached garage, then added a second pump to heat a detached garage. I would recommend a Central Boiler to anyone.”

- Steve, WI

“I have just built a 3,600 square ft house. The Central Boiler is the best thing that I could have done. After one heating season the only cost I had was paying rent on the propane tank. The heat is the warmest and most even of anyplace that I have ever been in.”

- George, OH



“I have been the proud owner of a Central Boiler for nearly two years. The performance has been superb. The heat provided is immediate and far beyond what would be generated by the heat pump alone. Try it. You will be impressed.”

- Mark, OR

“Our new Central Boiler system is without a doubt the finest wood burning system we have ever had the pleasure of using. The ease of operation, the efficiency, safety and the end result of a steady, dependable heat source provided by our Central Boiler stove surpasses anything we have encountered in the past 50 years of wood burning as a heat source.”

- Justin, MN



“When we moved here, we knew a Central Boiler outdoor furnace was the only way to go. We save \$1800-\$2000 every year.”

- Mary Jo, MN

“The best decision I ever made was purchasing my Central Boiler.”

- Matt, MI

Read, watch and hear more at **CentralBoiler.com**

Choose the right Central Boiler outdoor wood furnace for your application.

The Best Way to Size Your Furnace – Using Previous Heating History Including Water Heater					
Fuel Type	Fuel Oil	Propane	Natural Gas	Electricity	Wood [†]
Units	gallons	gallons	cubic feet, therms	kilowatts	cords
Units per Month					
Multiplier	x 1.18	x 0.78	x 0.0087/cu.ft x 0.87/therm	x 0.037	x 150
Sizing Value					

If you have New, Well-Insulated Buildings^{††}

New well-insulated buildings with R28 walls, R40 ceilings, insulated basement walls. Normal sizing allows for one picture window and one patio door. Calculation does not allow for extremely large glass or air exchange heat losses. Buildings that are not well insulated are not applicable in this calculation. Use previous heating history to determine sizing.

We recommend you complete a heat loss estimate (e.g., Hydronics Institute - form 1504WH).

Total sq. ft.	
Multiplier	x 0.06
Total Sizing Value	

Total Sizing Value

Compare your **Total Sizing Value** to the **Suggested Sizing Range** for the listed models.

Furnace	Suggested Sizing Range
Classic Edge 350	0-170
Classic Edge 550	0-395
Classic Edge 750	250-710

[†]Full cords of medium to high-quality wood.

^{††}Improperly insulated radiant slab heating can dramatically affect sizing requirements and heat load.

Be sure to consult your dealer when sizing. Previous heating efficiencies and heat loss need to be considered when sizing a furnace. This is only a guideline.

This sizing worksheet calculation estimates the existing fossil fuel (heating oil, propane, natural gas) heating equipment performing at 75% efficiency.

Factors that affect your fuel burn rate

Lower Fuel Consumption

Decreased heat loss

- Well insulated building(s)
- Minimal cold air infiltration
- Warmer temperature
- Using seasoned wood with moisture content of less than 25%

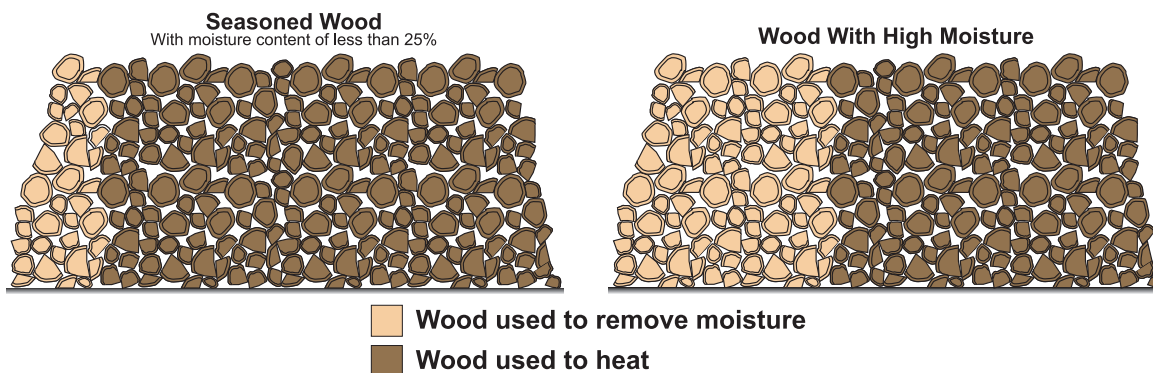
Increased heat loss

- Poorly insulated building(s)
- Cold air infiltration
- Colder temperature
- Using wood with high moisture

Higher Fuel Consumption

BURN LESS WOOD WITH SEASONED WOOD

Btu's Lost when Burning High Moisture Content Wood



The difference between a full load of 25% moisture wood and 50% moisture wood is up to six gallons of water.

LEADERS IN PRODUCT QUALITY, DESIGN AND INNOVATION

Central Boiler traces its roots back to 1984 in a workshop just south of Greenbush, Minnesota. There, a single idea and some welded pieces of metal would grow into a company that is recognized today as North America's largest manufacturer of outdoor furnaces. The company's innovations and patents come from people who take a little more time, pay a little more attention and go a little further to make sure that every Central Boiler product is ready to meet the demands of the real world.

AUTHORIZED CENTRAL BOILER DEALERS LOCATED ACROSS THE U.S. AND CANADA

When you're looking for a wood heating system, a Central Boiler dealer is there to answer questions, provide you with literature about Central Boiler outdoor wood furnaces and help you choose the model right for your heating needs.

To locate a Central Boiler dealer in your area, visit the dealer locator at **CentralBoiler.com**.

Also check out Central Boiler's E-Classic line of outdoor wood furnaces.

The Classic Edge is U.S. EPA Certified.

Using wood as a heating fuel is endorsed by the U.S. Forestry Service.

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CentralBoiler.com

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For the maximum performance and life of your furnace, always insist on using Central Boiler authorized system parts and accessories.

See Owner's Manual for proper chimney height and installation. Minimum chimney height is determined by proximity to other buildings. Consider location and direction smoke may travel with prevailing winds before installing your furnace.

Content of this brochure is information in possession of Central Boiler at the time of the design of this publication and may not represent what was previously manufactured. Product specifications and appearance subject to change.

Operating an outdoor furnace may not be suitable to some individuals' abilities or lifestyles. Be sure to review the Owner's Manual for the appliance with your dealer.

Ask your dealer about Outdoor Furnace Best Burn Practices.

p/n 9000374



FREE 25 YEAR LIMITED WARRANTY

A **free 25 year limited warranty** is available if your Classic Edge is registered at the time of purchase. Central Boiler leads the industry with its commitment to stand behind its outdoor wood furnaces. See Warranty Registration form for details.

Your Authorized Central Boiler Dealer