

**PRO-FAB**  
INDUSTRIES INC.



**EMPYRE**



# High Quality Outdoor Wood Boilers



- SAFE OUTDOOR HEAT SOURCE
- HIGH OUTPUT BOILER
- SAVE MONEY ON FUEL AND INSURANCE

- HEAT WITH RENEWABLE RESOURCES
- HEAT YOUR HOUSE, SHOP, POOL, DOMESTIC HOT WATER AND MORE



The *Empyre Outdoor Hot Water Boiler* is ideal for heating houses, shops, small greenhouses, pools, hot tubs, garages, sheds and domestic hot water. The *Empyre* is designed to connect directly into your existing heating system.

The *Empyre's* central firebox is enclosed by a large capacity water jacket. The top of the firebox is corrugated to provide maximum surface area for the most efficient heat. Once the water is heated, it is channeled to your home's heating system through insulated underground pipes.

The hot water from the boiler may be used for several applications in your home. The hot water line is typically connected to your hot water tank through a heat exchanger, providing all your domestic hot water. The water is then channeled into the existing radiant or forced air heating system. A water-to-air heat exchanger can also be installed to direct the heat into your heating system. The *Empyre* is installed in conjunction with your existing heating system, which remains connected as a backup system.

Heat is thermostatically controlled on the boiler by setting the aquastat to the desired temperature, ensuring even, consistent, efficient heat.

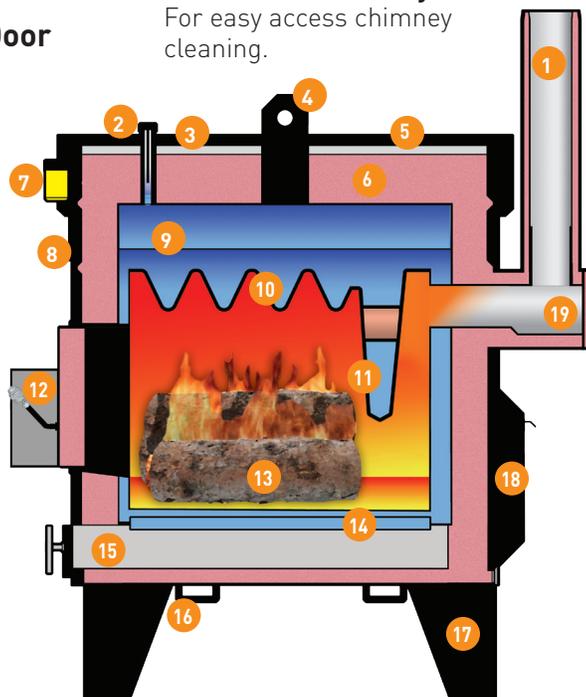
The *Empyre* is equipped with multiple hookups, allowing you to heat several buildings at once.

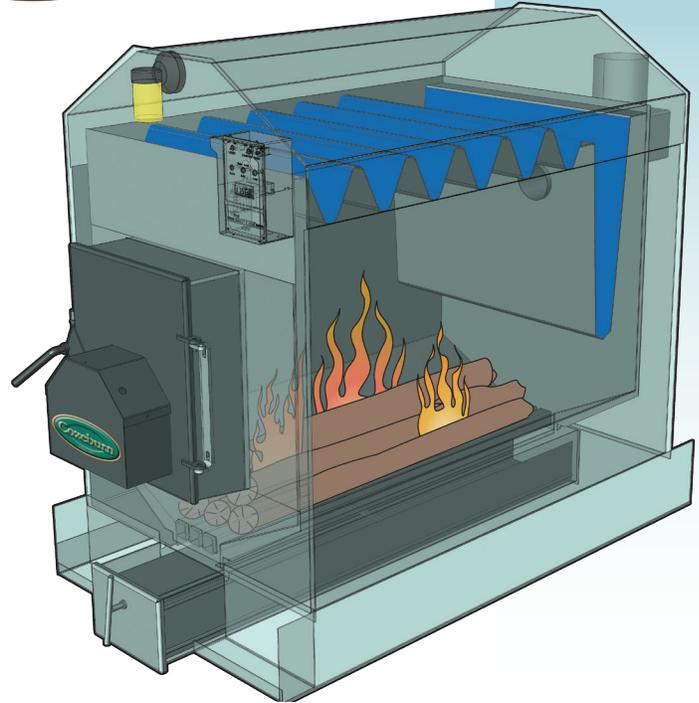
## The Empyre Up Close

- 1 Stainless Steel Chimney**  
Insulated and double walled to reduce condensation.
- 2 Floating Water Level Indicator**  
Eliminates pressure and evaporation.
- 3 Heavy Duty One Piece Roof**  
Leak proof to protect your boiler from the elements.
- 4 Top Lifting Hook**  
For easy installation.
- 5 304L Stainless Steel Construction**  
Laser cut components and solid steel construction for quality and longevity.
- 6 Fiberglass Insulation**  
For safety will not dry out, shrink, crack or ignite.
- 7 Exterior Light**  
For night wood loading.
- 8 Digital Control Panel**  
With easy to read temperature and water level indicators.
- 9 Large Capacity Water Jacket**  
Pressure and die tested for fast heat recovery.

- 10 Corrugated Firebox Top**  
Maximizes heat transfer and efficiency.
- 11 Baffle Ports**  
Increase heat transfer and combustion efficiency and reduce smoke when opening the door.
- 12 High Temp Insulated Door**  
Pressure touch handle provides a firm seal and automatic solenoid damper or front air reducer improves combustion efficiency.
- 13 Firebox**  
Large firebox capacity.
- 14 Water Filled Grates**  
Located below firebox to maximize heat transfer and combustion efficiency.
- 15 Full Length Ash Pan**  
For simple and convenient cleaning.
- 16 Forklift Guides**  
For easy lifting, moving and installation.

- 17 Legs**  
Raises the firebox for easy loading.
- 18 Insulated Rear Hookup Cover**  
Provides easy and safe access for pipe hookup.
- 19 Insulated Chimney Door**  
For easy access chimney cleaning.





The *Cozeburn Outdoor Hot Water Boiler* has been keeping families warm since 1989, using natural renewable resources. By using high quality components, you can be sure of years of great performance and reliability. The entire firebox and water jacket is manufactured using top quality steel with fibreglass insulation ensuring maximum heat output. The firebox is specifically designed and tested for maximum heat transfer efficiency and is able to withstand high temperatures. The large capacity water jacket provides fast heat recovery. Water circulating around the firebox and through the water filled grates maximizes heat transfer which improves efficiency. All boilers are pressure and die tested for quality assurance prior to leaving the factory. Features include a full length ash pan

making ash removal easy. An eye level digital control panel has a clear readout allowing for accurate temperature adjustments.

For safety, the *Cozeburn Outdoor Hot Water Boiler* has a large firebox door for ease of loading, high temperature insulation which eliminates hot areas, and a night light for additional visibility for nighttime loading. Because the *Cozeburn* boiler is a non pressurized system it provides a safe environment for you and your family. By meeting all requirements of CSA and UL, you can be rest assured that the *Cozeburn* will provide affordable quality, performance and reliability for your heating needs for years to come.

## Applications

### GREENHOUSE

The *Empyre* and *Cozeburn* are ideal for heating greenhouses. Hot water can be pumped from the boiler to forced air heaters on the ceiling as well as into radiant heating in table tops.

### RADIANT HEATING

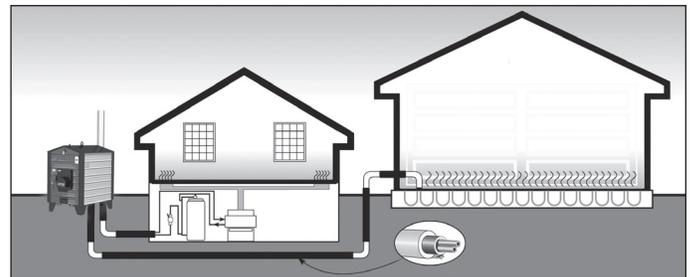
With hot water flowing through tubes in the floors of your house, in-floor heating is the most efficient, consistent and comfortable heat to enjoy.

### DOMESTIC HOT WATER

Hot water from the boiler flows through a heat exchanger on the existing hot water heater.

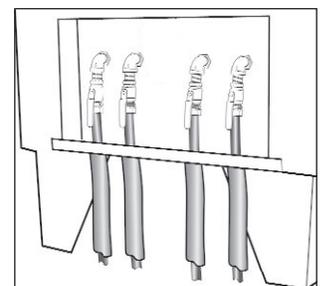
### POOL OR SPA

With the multiple hookup option, the *Empyre* or *Cozeburn* can provide heat for your pool or spa with pipes connecting directly to the existing pool heater.



### MULTIPLE BUILDING HOOKUP

Multiple connection ports on the *Empyre* and *Cozeburn* allow you to heat several buildings such as a pool, greenhouse or shop with a single heating unit.



# Feature Benefits

## TOP GRADE STAINLESS STEEL CONSTRUCTION\*

Quality workmanship means nothing without quality materials. By using top grade 304L Stainless Steel, Pro-Fab Industries ensures the longevity and quality of your boiler.

The stainless steel firebox must be able to sustain intense heat without cracking or breaking. 304L is the stainless steel used by Pro-Fab Industries for superior workmanship and longer product life. With a low carbon and high alloy content, 304L is less likely to rust or crack after welding. It has a higher ductility than other stainless steels, providing more flexibility and greater durability.

With 50% more nickel and 80% more chromium than 409SS, 304L is the highest stainless steel grade and quality used in the outdoor boiler industry. Boilers manufactured from 304L Stainless Steel are built to last. The added protection against rust and corrosion offers the security of a long lasting low maintenance boiler.

\*Refers to *Empyre* boilers

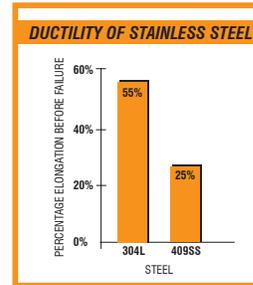
## FULL LENGTH ASH PAN

The full length ash pan makes ash disposal easy and clean. No brushing or awkward, messy shoveling necessary.

## HIGH OUTPUT, LOW EMISSIONS

Pro-Fab Industries is dedicated to producing the most efficient alternative energy boilers on the market.

In addition to efficiency, Pro-Fab Industries is committed to protecting the environment by continually reducing emissions from its boilers. Pro-Fab Industries' in-house testing lab tests and analyzes fuels and boilers to determine the highest output with the lowest emissions. Output and emissions vary based on fuel quality, location and boiler size. Talk to your dealer for more information.



# Specifications



	CPW 250	CPW 450	250 MS	450 MS
Steel Type	304 Stainless	304 Stainless	Mild Steel	Mild Steel
Total Width	49"	57"	49"	57"
Body Width	47"	55"	47"	55"
Total Length	80"	97"	80"	97"
Body Length	59"	77"	59"	77"
Total Height	85"	93"	85"	93"
Chimney Size	6"	8"	6"	8"
Door Size	20" x 20"	20" x 24"	20" x 20"	20" x 24"
Firebox Size - W x H x L	30" x 33" x 42"	36" x 45" x 60"	30" x 33" x 42"	36" x 45" x 60"
Water Capacity	150 U.S. Gal.	300 U.S. Gal.	150 U.S. Gal.	300 U.S. Gal.
Max Heating Area (sq. ft.)	2,000 - 4,000	6,000 - 8,000	2,000 - 4,000	6,000 - 8,000
Shipping Weight	1,400 lbs.	2,100 lbs.	1,900 lbs.	2,800 lbs.
Limited WARRANTY	20 year	20 year	10 year	10 year

Pro-Fab Industries Inc., founded in 1989, is North America's premier designer of alternative heating products. With five manufacturing facilities across three countries, Pro-Fab Industries has the widest range of EPA qualified clean burning units on the market.



Manufactured by:  
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Your **EMPYRE** Dealer