



PRODUCT CATALOG



Financing Available*

MASTER
FINANCING™

*At participating dealers. See dealer or WoodMaster.com for details.

WOOD MASTER
CleanFire

Ignite the revolution.

CleanFire checks every box of what an outdoor furnace should be.

High efficiency. Clean burning. Easy to operate.
Easy to maintain. Built to last a lifetime.

If you thought that the cleaner and more efficient outdoor furnaces are, the harder they are to operate, it's time to think again. CleanFire outdoor furnaces are not only EPA Step 2 Certified, they are specifically engineered and designed to be easier to operate than ever before.

Enjoy the benefits of cleaner burning and high efficiency, and use up to 60%+ less wood compared to other methods of wood heating. Take a minute to look at CleanFire and see all of the features and benefits in this revolutionary outdoor wood furnace.

FREE 25-YEAR LIMITED WARRANTY

A **free 25-year limited warranty** is available if your CleanFire is registered at the time of purchase.



Four color combinations to complement your landscape



Copper and Bronze



Green and Bronze



Charcoal and Bronze



Taupe and Bronze

Color selections are close representations but are limited due to print variations.

CleanFire

EPA Step 2 Certified Outdoor Wood Furnaces



CleanFire 300

TITANIUM STAINLESS STEEL FIREBOX

Overall Efficiency (LHV) - 88.4%*
Overall Efficiency (HHV) - 82.2%*
Heat Output (12 hr) - 66,894 Btu/hr
Mfr's Rated Heat Output Capacity - 150,000 Btu/hr

CleanFire 500₁

TITANIUM STAINLESS STEEL FIREBOX

Overall Efficiency (LHV) - 86.4%*
Overall Efficiency (HHV) - 80.6%*
Heat Output (12 hr) - 92,000 Btu/hr
Mfr's Rated Heat Output Capacity - 190,000 Btu/hr

CleanFire 1800

TITANIUM STAINLESS STEEL FIREBOX

Overall Efficiency (LHV) - 92.7%*
Overall Efficiency (HHV) - 86.5%*
Heat Output (12 hr) - 156,000 Btu/hr
Mfr's Rated Heat Output Capacity - 245,000 Btu/hr

CleanFire 900

TITANIUM STAINLESS STEEL FIREBOX

Overall Efficiency (LHV) - 92.1%*
Overall Efficiency (HHV) - 85.6%*
Heat Output (12 hr) - 212,957 Btu/hr
Mfr's Rated Heat Output Capacity - 400,000 Btu/hr

Firebox Volume.....10 cubic ft
 Firebox Dimensions..... 28"L x 29"H x 21"W
 Door.....16"W x 16"H
 Ash Cleanout Door..... 18"W x 9"H
 Water Capacity..... 150 gallons
 Weight..... 1,365 lbs
 One set of 1-1/4" Supply and Return Ports
 (can be configured for two pumps.)

Firebox Volume.....14 cubic ft
 Firebox Dimensions..... 33"L x 32"H x 23"W
 Door.....18"W x 18"H
 Ash Cleanout Door..... 18"W x 9"H
 Water Capacity..... 205 gallons
 Weight..... 1,668 lbs
 One set of 1-1/4" Supply and Return Ports
 (can be configured for two pumps.)

Firebox Volume.....23 cubic ft
 Firebox Dimensions... 37"L x 41.5"H x 26"W
 Door.....22.75"W x 28.75"H
 Ash Cleanout Door.....19"W x 11"H
 Water Capacity..... 360 gallons
 Weight..... 2,500 lbs
 Three sets of 1-1/4" Supply and Return Ports

Firebox Volume..... 32 cubic ft
 Firebox Dimensions... 42.75"L x 43.5"H x 31.5"W
 Door..... 22.75"W x 28.75"H
 Ash Cleanout Door..... 20"W x 11"H
 Water Capacity..... 420 gallons
 Weight..... 2,714 lbs
 One set of 1-1/4" Supply and Return Port
 Two sets of 3/4" Supply and Return Ports

[Download Furnace Base & Dimensions illustration at WoodMaster.com](http://WoodMaster.com)

*Based on EPA qualifying test.

CleanFire Outdoor Wood Furnaces



See live demo
at MyFireStar.com/demo

CONVENIENCE

Heating with wood can't be easier than this. The FireStar® combustion controller constantly monitors how the wood is burning and adds air where and when it's needed for the cleanest, most efficient combustion. You can even see how it's operating in real time on your smartphone or set up notifications so you'll know when it's time to add wood.

More features you'll only find with FireStar.

- Reserve Mode** - Reserves a portion of the previous wood load so you'll never have to relight a fire
- Burning Time Monitor** - Helps to estimate how much wood is left
- Clean Reload** - Can eliminate smoke when you open the firebox door to add wood
- Text Alerts** - If you want, be notified when it's time to add wood



SMARTDRAFT™ SYSTEM

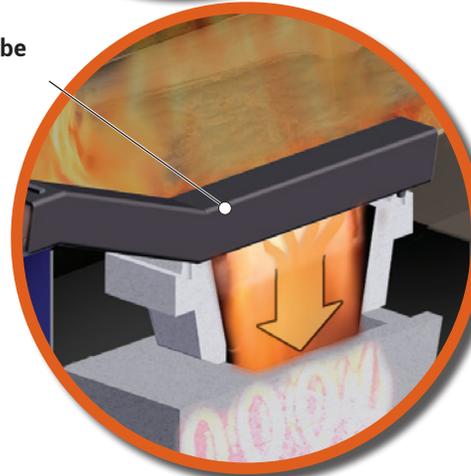
Efficient combustion requires precise air. When the fire needs a lot of air (such as during startup), the FireStar Controller instructs the SmartDraft system to open the air regulating discs precisely to deliver the exact amount of air needed. The motors in the SmartDraft system are maintenance-free, use less power than other air control methods and never need adjustment or replacement due to wear.



Patented Air Charge Tube

MULTIPURPOSE DESIGN

The CleanFire's patented Air Charge Tube is an example of an innovative features with multiple purposes. It keeps coals from falling into the Reaction Chamber and it also directs oxygen into the Fusion® Combustor. There, the oxygen mixes with the combustion gases and is focused down into the Afterburner. The Air Charge Tube also helps the furnace to relight faster.



FINGERTIP ACCESS

The patented vertical Easy View® Heat Exchanger with hinged door provides full access without the use of tools. Simply open the door for a quick inspection and easily clean from outside the firebox while your keeping your feet planted firmly on the ground.

Patented
Easy View®
Vertical Heat
Exchanger

Hinged Door - no
tools required

Fully accessible
front and rear ash
cleaning area

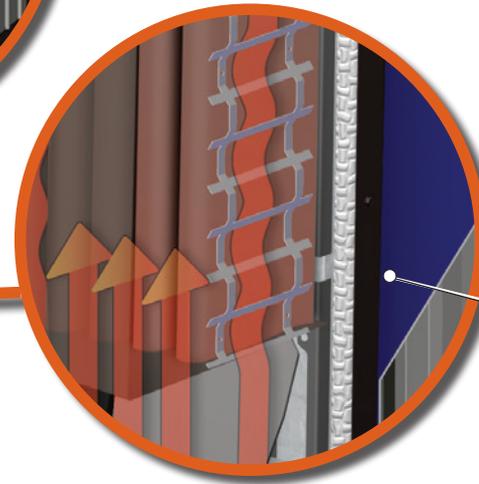


OVERALL TOP VALUE

Use up to 60+ percent less wood compared to other methods of wood heating and deliver more heat to your home. CleanFire furnaces are engineered to minimize heat loss, from the construction of the firebox door, panels and pump access area to the airtight, waterproof sprayed-on urethane foam insulation. The larger firebox allows for longer burn times, saving you even more time.

MAXIMUM USE OF HEAT

Removable turbulators in the heat exchanger cause turbulence of the exhaust gas flow through the exchanger. This forces the heated exhaust to "bounce around" and better contact the heat exchanger. This action transfers more of the heat energy into the surrounding water jacket before exiting out the chimney.



Turbulators cause air
turbulence and better
contact with the heat
exchanger walls

TOP PERFORMANCE

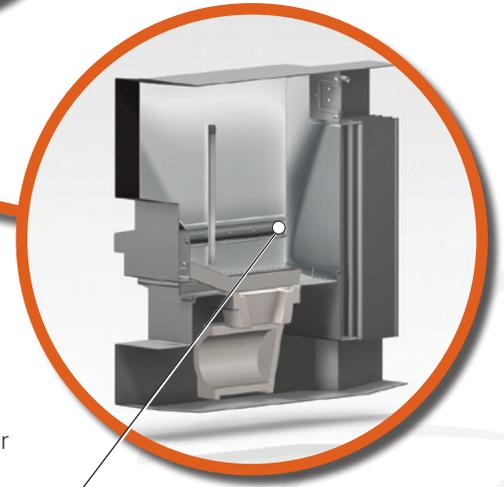
Super-heated gases enter the round chamber of the Afterburner and swirl in a turbulent vortex, creating a **Fireball**. This unique effect allows more time for complete combustion to occur.



Afterburner

LONG LIFE

The CleanFire's titanium-enhanced stainless steel firebox is impervious to corrosion from high-moisture wood, creosote or condensation.



The stainless steel Primary Air Delivery Tubes
are visible and easily serviced without tools

Four color combinations to complement your landscape



Brown Green Charcoal Black

Color selections are close representations but are limited due to print variations.



4400 DIMENSIONS
5'2" x 5'9" x 8'1"

4400 TRADITIONAL

TITANIUM STAINLESS STEEL FIREBOX

| | |
|----------------------|--|
| Fire Box | 38" x 44" |
| Door Size | 24" x 24" |
| Draft Control | Fan |
| Heating Area* | 5,000 sq ft |
| Water Capacity | 117 gallons |
| Ports | Two sets of 1" Supply and Return Ports |
| Warranty | 25-Year Limited Warranty |

*Heating area may vary depending on construction, insulation and climate.

Traditional Outdoor Wood Furnaces

Heat your application for far less money than fuel oil, propane, natural gas and even off-peak electric rates. Owners who have scrap wood sources or cut their own basically eliminate their "fuel" costs. Energy savings allow all owners to dramatically lower their heat costs.

WoodMaster's four traditional wood furnace models generate economical, natural, safe heat and are:

- Compatible with most existing and new heat systems, including hot water, forced air, hydronic heat, radiant baseboard, existing water-to-water and in-floor
- Built to heat entire buildings, garages, workshops, and other spaces, plus hot water systems

In the U.S., traditional furnaces are for non-residential applications only.

FEATURES

SAFE

No fuels enter the building which limits smoke, soot, fire hazards and the risk of dangerous carbon monoxide buildup

EFFICIENT

Designed to deliver maximum Btu for more usable heat with less wood cutting and furnace-filling time

LONG LIFE

The titanium-enhanced stainless steel firebox is impervious to corrosion from high-moisture wood, creosote or condensation.

WOODMASTER EXCLUSIVES:

Round chamber design provides optimum internal air movement and water circulation for even heat transfer and more efficient burn. This design also offers:

- Forty percent fewer seams than a square box, for less chance of cracking or leaking and minimal pitting
- No dead spots, so creosote doesn't build up

Digital Electronic Temperature Control (ETC) is one center for operating temperature settings, blower, reset, water level indicator and nightlight in an easy-to-read display.

3300

The WoodMaster 3300 wood furnace, plumbed with a single heating loop, is an economical choice when there is no need for multiple hook-ups. The 3300 furnace comfortably heats an average sized building and its hot water.



3300 DIMENSIONS

5'2" x 4'9" x 7'10"

3300 TRADITIONAL

TITANIUM STAINLESS STEEL FIREBOX

| | |
|----------------------|---------------------------------------|
| Fire Box | 34" x 32" |
| Door Size | 20" x 21" |
| Draft Control | Fan |
| Heating Area* | 2,000 sq ft |
| Water Capacity | 105 gallons |
| Ports | One set of 1" Supply and Return Ports |
| Warranty | 25-Year Limited Warranty |

5500

The WoodMaster 5500 super duty wood furnace is double-plumbed and ideal for farms or businesses, providing heat for a barn and a large shop or a mid-size commercial building. Increased fuel capacity for higher heat output, plus a larger door (more than two feet by two feet) for easier loading makes this an efficient choice for agricultural or business applications.



5500 DIMENSIONS

6' x 6'10" x 8'6"

5500 TRADITIONAL

TITANIUM STAINLESS STEEL FIREBOX

| | |
|----------------------|--|
| Fire Box | 50" x 56" |
| Door Size | 27" x 27" |
| Draft Control | Fan |
| Heating Area* | 10,000 sq ft |
| Water Capacity | 194 gallons |
| Ports | Two sets of 1" Supply and Return Ports |
| Warranty | 25-Year Limited Warranty |

6500

The WoodMaster 6500 super duty wood furnace is plumbed with four heating loops and has double doors for large loads of wood. It's built to heat commercial buildings or multiple buildings. This model will heat up to 20,000 square feet in any combination of office space, workshop, greenhouse, wood kiln or other structures.



WoodMaster 6500 available in black only.

6500 DIMENSIONS

7'4" x 8'10" x 9'3"

6500 TRADITIONAL

TITANIUM STAINLESS STEEL FIREBOX

| | |
|----------------------|---|
| Fire Box | 60" x 58" |
| Door Size | 44" x 31" |
| Draft Control | Fan |
| Heating Area* | 20,000 sq ft |
| Water Capacity | 487 gallons |
| Ports | Four sets of 1" Supply and Return Ports |
| Warranty | 25-Year Limited Warranty |

WOOD MASTER
Flint
 Outdoor Wood Furnace

In the U.S., WoodMaster Flint outdoor wood furnaces are for non-residential applications only.



Flint 1100

Heating Capacity - approx. 1,300 sq ft*
Heat Output (8 hr) - 50,000 Btu/hr
Heat Output (12 hr) - 33,000 Btu/hr
Mfr's Rated Heat Output Capacity - 60,000 Btu/hr

Firebox Volume.....9 cubic ft
 Firebox Dimensions..... 29"L x 28"H x 23"W
 Door..... 20.5"W x 20.5"H
 Water Capacity......85 gallons
 Weight......700 lbs
 Overall Size..... 48"L x 84"H x 38"W
 Furnace Base..... 36"W x 40.5"L
 One set of 1-1/4" Supply and Return Ports



Flint 2200

Heating Capacity - approx. 1,800 sq ft*
Heat Output (8 hr) - 70,000 Btu/hr
Heat Output (12 hr) - 46,700 Btu/hr
Mfr's Rated Heat Output Capacity - 84,000 Btu/hr

Firebox Volume..... 14.5 cubic ft
 Firebox Dimensions..... 29"L x 32"H x 31.5"W
 Door..... 20.5"W x 20.5"H
 Water Capacity..... 113 gallons
 Weight......755 lbs
 Overall Size..... 48"L x 88"H x 46"W
 Furnace Base......44.5"W x 40.5"L
 One set of 1-1/4" Supply and Return Ports

FLINT Outdoor Wood Furnace

If you're looking for an economical option to heat with wood safely outdoors, a Flint model could work for you. This is a reliable, inexpensive way to burn wood for heat when you want and helps to reduce or eliminate other heating bills. The pump and fittings are installed on the furnace, saving time and money when installing. And options are available if you're thinking of heating another building in the future.

Reliable, Inexpensive Supplemental Heat - Burn wood for heat when you want and reduce or eliminate other heating bills.

Why Burn Wood Outdoors? - The mess stays outside. No smoke, ashes, odors, soot, bugs, bark and dirt indoors. Keeping the fire outside eliminates the hazards associated with indoor wood stoves like the threat of a fire and carbon monoxide buildup.

Simple to Get Started - The pump and fittings are installed on the furnace. Simply connect the ThermoPEX piping to the furnace and to the heat system in the building and you're ready to start heating with wood.

Room to Grow - Thinking of heating another building in the future? Options are available for additional heating applications.

Includes the components already installed, to quickly connect to your heating application.



**Actual results will vary depending on the quality of wood and loading density, the heating system, applications, climate and building insulation values. The 8-hr heat output is the average heat output rate per hour over 8 hours.*

NOTE: Ratings for 8- and 12-hour Heat Output are calculated based on test results running at full capacity. This number is a reflection of maximum burn rate, heat delivery, efficiency and firebox volume. These numbers can vary greatly depending on fuel quality, moisture content, piece size, loading density and consumer maintenance.



Maxim M255 PE Outdoor Wood Pellet Furnace

If you're looking for the best way to heat your entire home with wood pellets, look no further than the Maxim M255 PE. Unlike an indoor stove that can be labor-intensive and dirty and won't provide heat evenly throughout your entire house, the Maxim can deliver days or weeks of heat from its safe outdoor location.

FEATURES

EASY TO LOAD WITH LARGE INTEGRATED HOPPER

Large, top-loading door gives easy access to the hopper. Holds up to 12 bags of wood pellets to heat for days (or even weeks) on a single fuel load. Increase fuel capacity even more by adding the optional 48-bushel hopper.

CONVENIENT OPERATION

Based on your personalized needs, the FireStar® II electronic controller automatically controls the water temperature, heat output and air settings. Starting the fire is as easy as pushing a button with the automatic electronic ignition.

USE LESS FUEL

The Maxim's electric ignition saves fuel. When there is no call for heat, the controller stops adding fuel and lets the fire go out. When heat is once again needed, the electric ignition relights the fire.

Spray-on urethane is the ultimate airtight, waterproof insulation that locks the heat in to reduce fuel 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.

DURABILITY AND RELIABILITY

Maxim furnaces are manufactured with attention to detail. From its sealed and permanently lubricated gear drive (no chains or sprockets to worry about) to the aerator in the burn chamber that agitates the fuel and adds oxygen to the center of the fire, every component must meet the highest standards...ours.

EASY INSPECTION AND MAINTENANCE

Pumps and the inner components of the Maxim are all easily accessible. The high efficiency heat exchange system is designed to require less maintenance and is easily accessible with the removable rear exhaust cover.

Maxim M255 PE

Overall Efficiency (LHV) - 96.2%*

Overall Efficiency (HHV) - 89.2%*

**Mfr's Rated Heat Output Capacity -
190,000 Btu/hr**

| | |
|------------------|----------------------|
| Door Size | 15.5"W x 13.5"H |
| Water Capacity | 90 gallons |
| Hopper Capacity | 11 bushels (600 lbs) |
| Overall Size | 34"W x 50"H x 57"L |
| Limited Warranty | 5 years |
| Shipping Weight | 1,310 lbs |

Included with furnace: Water Test Kit, Cleaning Rod, Flue Brush Kit, Ground Rod Kit, Ash Scoop, Rain Cap and two 4-foot chimney sections

TERRA BROWN / TAUPE (textured finish) shown - also available in GREEN / OLIVE GRAY

The Maxim M255PE outdoor wood pellet furnace is EPA Step 2 Certified.

Find Your Perfect Fit.

| 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 |
|----------------------|------------------------|
| Flint 1100 | 0-115 |
| Flint 2200 | 0-155 |
| CleanFire 300, 3300 | 0-170 |
| CleanFire 500, 4400 | 0-395 |
| CleanFire 1800, 5500 | 250-710 |
| CleanFire 900, 6500 | 500-1800 |

†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

Parts for all.

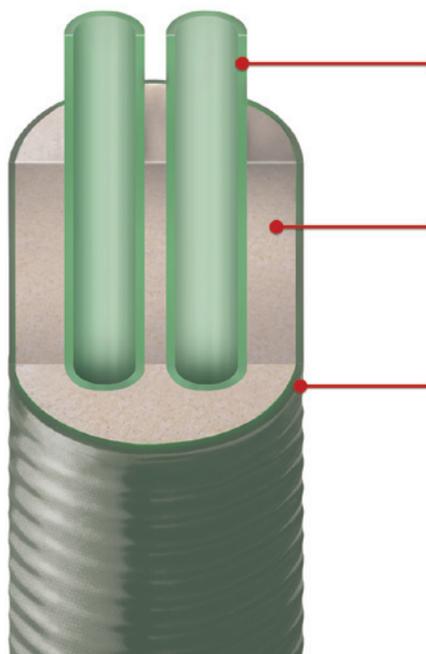
WoodMaster dealers carry complete lines of quality, affordable parts and accessories for most furnace brands, including new and existing heating systems, plus parts and accessories for in-floor heat and complementary home comfort systems.



Download the Parts & Accessories catalog @ WoodMaster.com

It pays to install ThermoPEX®.

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



PIPE: Oxygen-barrier PEX® is a high-density, cross-link pipe, rated for 180°F at 100 psi. It is compatible with standard PEX insert fittings that cost much less than competitors' compression fittings. PEX lines are marked to easily identify supply and return lines.

INSULATION: This industry-best high-density urethane provides the ultimate control against heat loss. The high thermal efficiency of the urethane allows for a small overall size than some competitors, and provides lower heat losses per foot.

OUTER JACKET: The ThermoPEX high-density polyethylene outer jacket is thick, durable and seamless. It provides the necessary protection, is waterproof, and is corrugated for flexibility, making it easy to route around obstacles. It is also UV protected and can be installed above ground. It eliminates concerns with ground moisture or water affecting insulating properties of the urethane insulation.

EASY TO INSTALL

ThermoPEX comes pre-assembled and ready to install. No special tools or equipment are required. No drainage tile or gravel backfill is required. ThermoPEX only needs a narrow trench for installation. ThermoPEX is affordable and will reduce installation time, therefore saving you 25% to 40% on your installation costs.



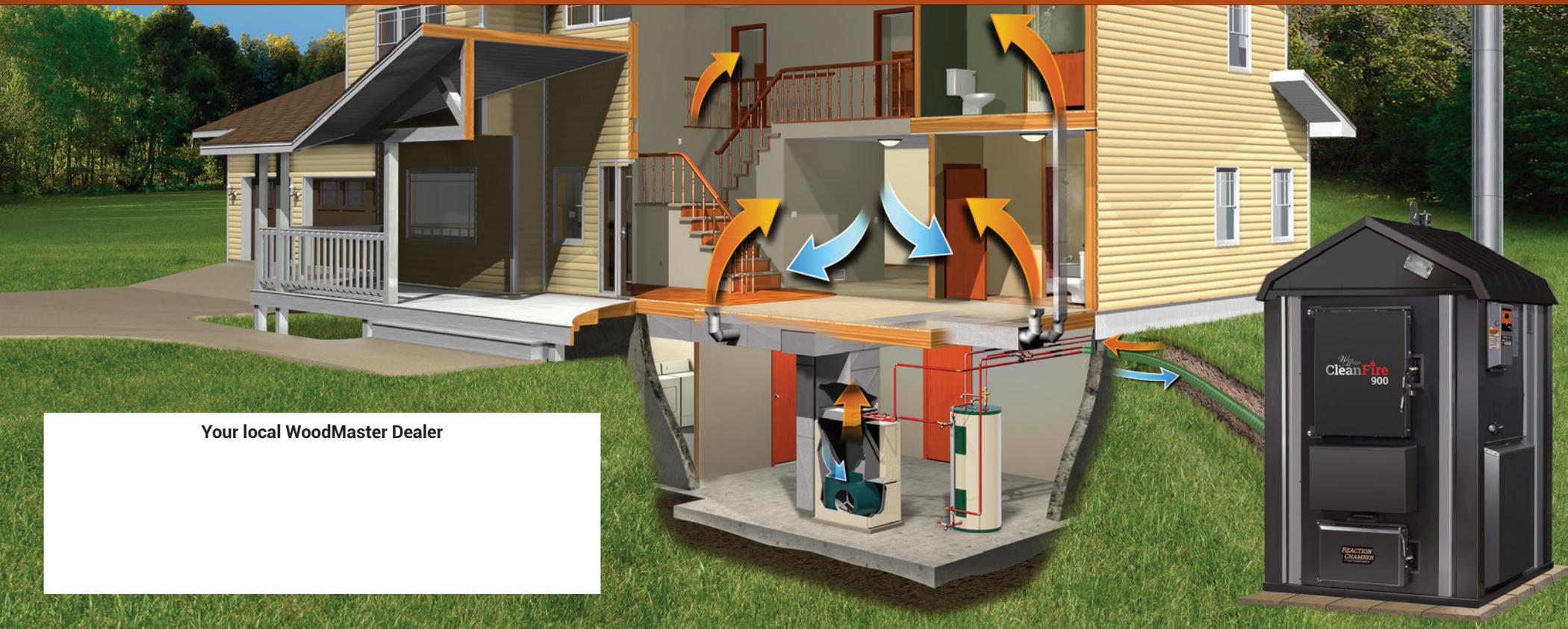
GRUNDFOS CIRCULATORS

Grundfos circulators continuously circulate heated water within the WoodMaster wood furnace system to provide consistent heat in your home.





**Proven Performance,
Reliability, and Savings.**



Your local WoodMaster Dealer

600 Polk Ave SW • Red Lake Falls, MN 56750 | WoodMaster.com | For the maximum performance and life of your furnace, always insist on using WoodMaster 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 WoodMaster at the time of the design of this publication and may not represent what was previously manufactured. Product specifications and appearance subject to change. Must be installed in accordance with all applicable codes and regulations. 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.

The CleanFire 300, 500, 1800 and 900, and Maxim M255 PE are U.S. EPA Step 2 Certified. Using wood as a heating fuel is endorsed by the U.S. Forestry Service.

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