What Is It?
It can be called a furnace, a boiler, a heater, or a stove. Technically, it’s a hydronic heater. But whatever you call it, it’s a great way to save money, eliminate your heating bill and gain independence from the utility companies. Some people burn wood, others use coal or a variety of other fuels. No wonder there’s some confusion as to what it is! Here, we take the mystery out of it.

Which to Choose
HeatMaster offers four models that accommodate different fuels, different sizes of buildings, and some are even certified to operate indoors. We outline your options in this section.

Reasons People Buy
Why exactly do people choose to purchase outdoor furnaces? We will try to answer all of your questions (before you even get a chance to ask!)

Design & Installation
If you’re getting serious about buying a furnace, you’ll need to do some research on the costs of installation. Our dealers are extremely knowledgeable and will help you through the process, but here is a good overview.
INTRODUCTION

Buying an outdoor wood furnace can be a daunting task. There are numerous manufacturers and even more models to choose from. Some brands tout toughness, some brands are all about the price. Warranties differ, materials vary and you probably have dozens of questions you’re trying to sift through.

That’s why we’ve developed this booklet to help you better understand if an outdoor boiler is right for you, and if it is, which is the best fit.

We admit we’re biased, but we want to share the benefits and features of our amazing HeatMasterSS furnaces. Rest assured the information and tips within will apply to the purchase of any wood burning furnace.

Please take the time to read through it and at any time, if you have questions that we haven’t answered here, just visit our website to find a dealer near you. www.heatmasterss.com

HeatMasterSS is a family owned company that has been operating since 2001. We pride ourselves in making quality products and are always looking for innovative improvements. If you choose a HeatMasterSS we promise it will come with our guarantee of quality, service and integrity.

Ryan Friesen
General Manager
Outdoor wood furnaces consist of a firebox, a water jacket, a blower and access doors for loading, cleaning and maintenance. The firewood is burned in the firebox which heats the water surrounding it. The hot water is then piped to the building through underground pipes. Once the water reaches its destination, a heat exchanger converts it to usable heat to be distributed throughout the building.

WHAT IS IT?

HeatMaster SS indoor/outdoor furnaces are among the most effective wood boilers available. These furnaces, sometimes referred to as boilers, furnaces, heaters or stoves are typically placed outdoors, however our G Series models are UL and CSA approved and certified to be installed indoors in a garage, shop or outbuilding. An outdoor furnace burns wood or coal to heat water which is then used to heat your home, garage, shop, domestic water, swimming pool, hot tub, or all of them at the same time. If you have a good supply of firewood or coal nearby, our furnaces can eliminate your heating bill. It's a safe, economical way to reduce your energy costs and make use of materials you have readily available.
WHICH TO CHOOSE

HeatMaster offers several models and sizes of furnaces and we're sure one of them will fit your needs.

It should be noted that all of our furnaces have several things in common.

1. All are made with Titanium enhanced Stainless Steel. That's important because stainless steel is more durable than mild steel. It can handle higher temperatures for a longer period of time, it won't corrode from creosote or condensation and has excellent heat transfer properties.

2. All of our furnaces come with a Lifetime Limited Warranty which includes 100% coverage of the water jacket and firebox for five years, and is twice as long as the leading mild steel competitor. Because we take pride in our products and stand by them, we promise you'll always have great support. From purchase to design to installation and after sales support, we are here for you.

3. Our furnaces are built to the high standards of the ISO 9001 certified manufacturing process. That means we are audited regularly to prove that we are building our furnaces to these strict levels of quality.

Here's an overview of the models we offer.

The GS Series is our most basic and affordably priced EPA compliant model. Available in three sizes, its perfect if you're looking for an economical unit that does the job, but without the cost of additional features. The GS is certified for outdoor wood burning and has an easy-to-read water level gauge, insulated hinged rear door (for easy access to your plumbing) and a covered control panel that uses smart programming for an efficient burn. The control panel is also backlit and easy to see.

If you're looking for the ultimate in convenience, the G series might be for you. Also available in three sizes, it has everything that the GS has, plus a smoke bypass that redirects the smoke so you can load the furnace without getting any in your eyes, a sight glass so you can see that it is burning properly, and an easy clean handle so you don't have to spend time cleaning the heat exchange tubes.

The C Series is a coal-burning furnace and is available in five sizes. If coal is easily accessible to you, this could grant you freedom from the utility company. The C Series furnace has cast iron shaker grates to make cleaning the firebox remarkably simple. There's also an easy-clean removeable ash pan, hinged rear door and forced air fan, plus a timer to keep the coal bed lit during periods of idle (ideal for when you're burning hard coal)

The MFe Series furnace is unique in that it can burn either wood, or coal.

The illustration shows the gasification process. Wood gas is generated in a high temperature reaction between the wood and a limited amount of oxygen. The heat and lack of oxygen "bakes" the wood, causing the gases in the wood to be released. The gas is drawn through the base of the fire and burned at temperatures around 2000°F. This creates a very hot, very clean burn which helps you get the most out of your fuel.
The GS Series furnace is our most basic EPA compliant model. Burn less wood and cut less wood with this highly efficient gasification unit. It may be perfect for you if...

• You're looking for a low-cost, entry-level furnace that's easy to clean and maintain
• You have a fuel source that's readily available
• You have adequate space in your yard

The G Series furnace is our top-of-the-line model that gives you additional convenient features. This might be the one for you, if...

• You'd like the option of installing it indoors to avoid loading in bad weather
• You value loading it without getting smoke in your face
• You appreciate easy cleaning
• You have a busy lifestyle and would appreciate less time loading, less time cutting and less time prepping

The C Series/MF Series furnace is made for coal or wood. This might be the furnace for you if...

• Your main fuel source is coal
• If you like the flexibility of burning a variety of fuels
• If you appreciate easy cleaning; The shaker grates drop the ash into a pan so you can easily remove it
• Note: In the US it is illegal to burn wood for residential heat in a MFe or C Series

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REASONS PEOPLE BUY

To Save Money
- Burn fuel that is easily accessible and inexpensive
- Gain independence from the utility company

For Peace of Mind
- Don't worry about fluctuations in fuel or utility prices
- Feel safe in the knowledge that the fire is outside and out of reach of children and pets

Less Mess
- Keep bark, bugs, rodents and smoke out of the house
So you've decided you're going to buy a furnace. To get to this point, we hope you've conducted the following research first:

- Talked to some current owners who can share real-life experiences with you
- Visited online reviews websites like www.furnacecompare.com
- Consulted with a dealer to determine the size and model you will need.

The next step is to plan for the location and installation of your unit.

We know that you have many questions about placement, how it actually works, how much will it cost, and what happens once it's in place.

Fortunately, we've done this many times and are happy to share our knowledge.

Our experienced dealers can help you through the entire process so you can start to live your life of energy independence.

Your dealer will take you through a series of questions like:

1. **Where to place the furnace** (it can be placed up to 300 feet away from your home)

2. **What to use as a foundation.** You will want to place it on something other than the ground, which could include concrete blocks, or a concrete pad.

3. **The path for your piping.** You will need to install piping underground from the furnace to your home (or other buildings you wish to heat) Make sure you contact your local utilities before you dig.

4. And your dealer will make sure to **complete the installation** of the plumbing, then have a qualified electrician wire the boiler.

5. You can use your boiler for domestic hot water, hot water baseboards, forced air or fan/coil heating, pools, hot tubs, embedded floor heating, and even snow melt for driveways, sidewalks and decks. At this point you may also want to **install a yard light** near the furnace to give you light when loading in the dark.

6. Once you have the installation complete, you'll need to get ready to fire it up for the first time. **Just fill the water jacket, add treatment, load it and light it.** Remember to submit water tests once a year, and also sign up for our newsletters and notices.

7. The initial couple of weeks will help you to learn how much wood you are using, how often you need to load, etc.