



B SERIES



**Multi-Fuel High Efficiency Furnaces
For Commercial Applications**

Fuel Your Independence



The B Series Multi-Fuel Biomass furnace can give you unlimited heat and hot water for large spaces and applications for a remarkably low price.

The B Series furnace automatically feeds biomass fuel from your storage bin into the firebox. The furnace uses a high efficiency design to transfer the maximum amount of heat from the fire to the water jacket. The water is pumped through insulated underground lines to your building(s) where heat exchangers deliver the heat where you need it.

- It easily ties into almost any type of heating system
- You can heat multiple structures with the same furnace

BOTTOM LINE:

You'll have **Energy Independence and Cost Assurance** no matter what is happening in the fossil fuel markets.

Four Reasons Why The B Series is Right For You

1 Energy Independence and Rapid Return on Investment

Take control of your energy costs! The HeatMaster^{SS} Biomass Furnace grants you freedom from fluctuating fossil fuel prices. Fuel flexibility allows you to burn fuels that are readily available and economical including wood chips, pellets, coal, and more.

Developed with world class engineering, the high efficiency design ensures you get the maximum heat to your building using 30 - 50% less fuel than conventional systems.

Additional ways B Series furnaces ensure your Energy Independence

- | | |
|------------------------------|--|
| ■ Energy cost assurance | ■ Low capital cost |
| ■ Rapid return on investment | ■ Minimal time needed for loading, maintenance and operation |

We back each furnace with our best-in-industry Lifetime Limited Warranty, which is twice as long as the leading mild steel competitor. We are confident that you will enjoy the natural warmth they provide for many years.



2 Easy On You

Offering the ultimate in convenience and ease of use, B Series furnaces promise to reduce stress and worry, save you time, and eliminate the mess. This leaves you more time to spend on the important things in life.

The B Series offers:

- **Fully automated operation**
- Minimal maintenance and cleaning
- Remote systems monitoring
- A more comfortable, unlimited source of heat

3 Built to Last

HeatMaster^{SS} combines the best materials with expert engineering to create the most rugged, longest lasting furnaces available. We use 409 Titanium Enhanced Stainless Steel which is the only product that provides the right blend of longevity and cost effectiveness to meet our very high standards of excellence.

Titanium Stainless Steel is the best choice for your furnace because:



- **It resists corrosion.** Titanium Stainless Steel is coated with a chromium film so it will not corrode from:
 - Wet ashes or creosote in your firebox
 - Sweating on your water jacket
 - Corrosive elements in your water
- **It can withstand higher continuous temperatures**
- **It transfers more heat.** Heat gets to your water at a higher rate which will save you fuel.
- **It has a low Thermal Expansion Rate.** It won't crack and warp in a high heat environment.

HeatMaster^{SS} furnaces are built to the very highest standards with **ISO 9001 Certified** processes and are **CSA and UL Certified**.

4 Partners in Independence

We are committed to developing enduring relationships with all of our customers. We want you to enjoy long term energy independence and the convenience of our products. Here's how we help:

- We have experienced and knowledgeable field reps and installers
- Our specially trained technical staff can answer questions, help troubleshoot and perform remote diagnostics
- We offer hands-on training for you
- System design and engineering services

Safe for you

Safety always come first when designing and testing our furnaces.

Safe for the Environment

Properly burning wood and biomass fuels releases the same amount of carbon as decomposing biomatter, making it a carbon-neutral process.

Managed wood harvesting helps maintain a healthy forest ecosystem.

Done the right way, this cycle can be repeated forever without increasing the amount of carbon in the atmosphere.

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The B Series Multi-Fuel Biomass Furnace gives you **full automation and rapid return on investment**. The high-efficiency design transfers the maximum amount of heat from the fire to the water jacket, providing constant heat and hot water at a remarkably low price. You can heat multiple structures with the same furnace and easily connect to almost any type of heating system. Best for large spaces or commercial application.



OPTIONAL

Automatic Heat Exchange Tube Cleaning

Timer system activates the flue cleaner on a regular basis giving you piece of mind.

Guardian Air Lock

Your best line of defense to ensure proper fuel flow and prevent fire from burning back to the fuel bin.

High Efficiency Firebox and Vertical Heat Exchange Tubes

Spins hot exhaust against the tubes to transfer over 80% of the heat into the water.

OPTIONAL

Wireless Monitoring

Stay connected! View system status from anywhere using your electronic device.

OPTIONAL

Automatic Ash Removal

Let the auger do the ash cleaning for you.

Sight Glass

Easily check for proper combustion.

Automatic Fuel Ignitor

Creates a very hot burn, allowing your furnace to quickly react to your heating demands.

Automated Features

- Fuel Feeding - No messy or heavy loading. Won't jam or burn back.
- Walking Fire Grate - Walks stones, clinkers, and ash to the ash drawer while stirring the fuel for a better burn.
- Ignitor - Relights the fire for you
- Automated Ash Removal -

Every Step of the Process is **automated** to be **efficient, safe and trouble free**. Just make sure there's fuel in the bin!

B SERIES



	B250	B500	B1000
BTU Output	200,000 to 250,000 BTU/hr	400,000 to 500,000 BTU/hr	1,000,000 BTU/hr
Water Capacity (US gallons)	164	312	597
Weight	3108 lbs	4056 lbs	5500 lbs
Dimension with Insulated Housing	70" w x 89" h x 113" l	84" w x 92.5" h x 110" l	94" w x 94" h x 119" l
Chimney Size	6" Double Wall Insulated	8" Double Wall Insulated	10" Double Wall Insulated
Fuel Storage	112.5 Cubic Feet	200 - 3000 Cubic Feet	200 - 3000 Cubic Feet
Outlets	1-1" Pair and 1-1/2" Pair NPT	2 Return, 2 Supply, 2" Outlets	1-2" Pair and 1-3" Pair NPT
Power Requirements	125/250V, 1 Phase, 60Hz, 19 Amp	125/250V, 1 Phase, 60Hz, 31 Amp	125/250V, 1 Phase, 60Hz, 31 Amps
Max Breaker Size	30 Amp	40 Amp	40 Amp

*Well-insulated house.

**BTU's are approximate and will vary depending on fuel quality.

*** Height of the furnace is to the top of the lift hook

Build Your Own Furnace with these Great Options

- Save time and effort with auto ash removal and heat exchange tube cleaning.
- Have true peace of mind with remote monitoring of your furnace systems.
- Get longer times between fuel loads with an 8' or 15' storage bin and bin floor.
- Improve heating efficiency and eliminate fuel bridging with an insulation package.
- Reduce capital costs with a hopper bottom auger for burning wood pellets and coal.



Find out more at HeatMasterss.com/build-your-own-furnace

Unlimited Heat, Unlimited Options

Your B Series furnace can provide unlimited heat and hot water for a variety of applications at the same time. This creates a natural buffer to keep all noise, mess and risk of fire safely away from the areas you spend the most time.

Additional Applications Include:

High Volume Hot Water Uses

Such as car washes, pressure washers, cement/aggregate production, etc



Livestock Structures and Water



Grain Drying



Snow-melt



Lodges and Campgrounds



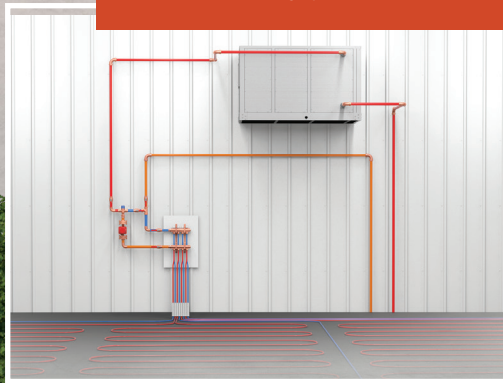
Construction Sites

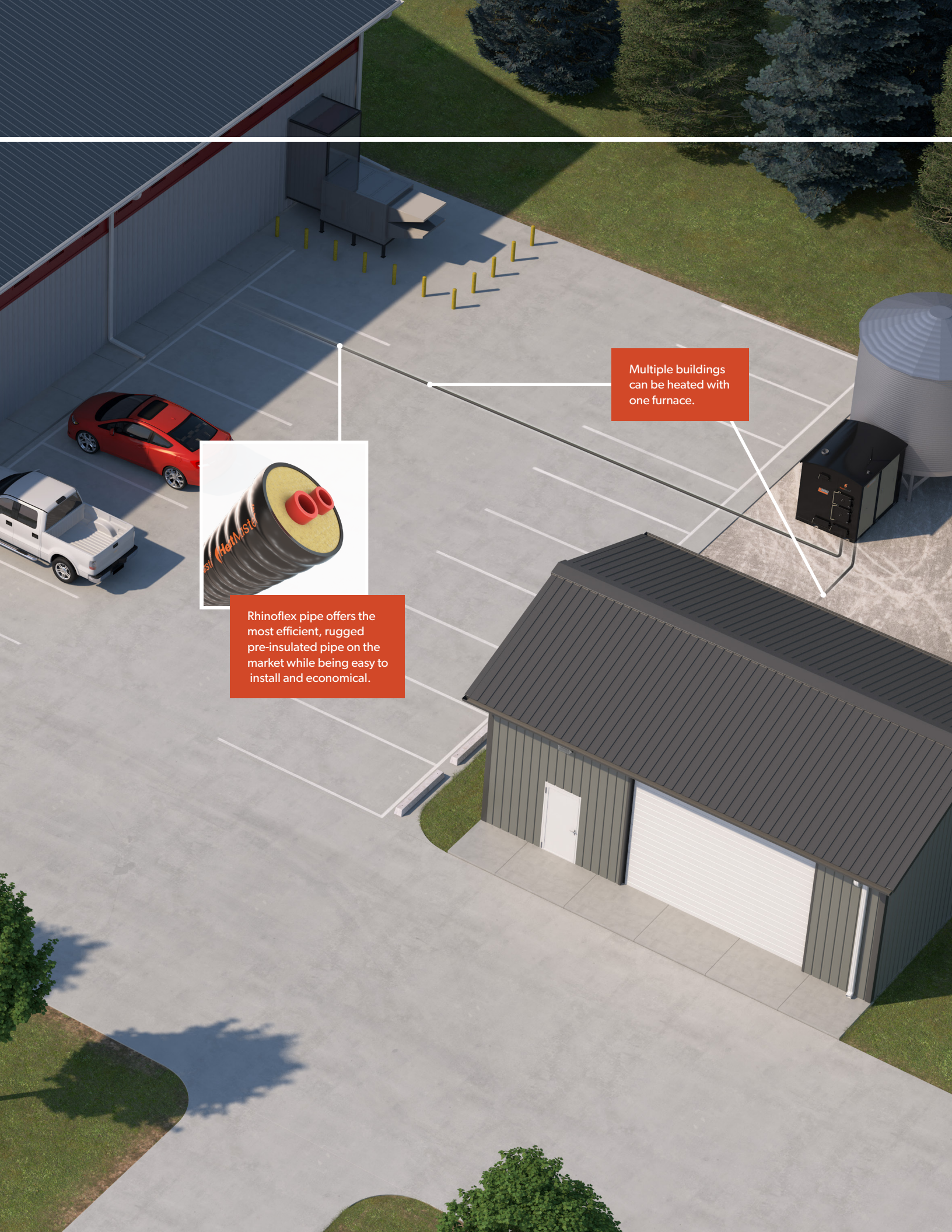


There's no limit to what the **B Series** can heat!

Heat Where You Need It

The HeatMaster^{ss} system is perfect for garages, shops, and other outbuildings. It will power an overhead forced air heating unit or if you prefer, an in-floor heating system.





Multiple buildings
can be heated with
one furnace.



Rhinoflex pipe offers the
most efficient, rugged
pre-insulated pipe on the
market while being easy to
install and economical.



HeatMaster^{ss} is a family-owned company which has manufactured and distributed its own line of outdoor furnaces since 2001. Our dedicated staff have many years of knowledge and experience and we continually research new and innovative ways to improve our products.

HeatMaster^{ss} offers prompt delivery, expert installation, and the highest standard of after-sales service. We thoroughly inspect and test every furnace before it leaves our plant.

To find a dealer in your area, visit

HeatMasterss.com

