

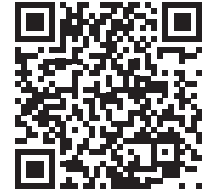
Furnace Quick Start Guide



Watch the Furnace Operation Video

When you understand and follow the concepts in this video, your furnace will operate optimally.

The video can be found on the DVD in your Owner's Manual packet or on CentralBoiler.com/Support.

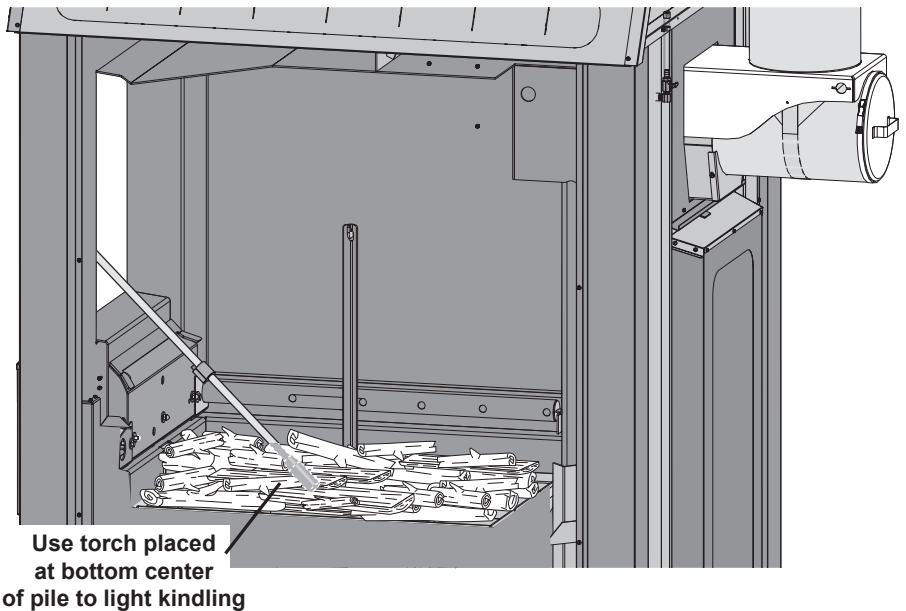


Initial Fire Up - First Fire of the Season

Follow the steps in the Initial Fire Up video or in the Owner's Manual to fire the furnace using either dry kindling or lump charcoal (not briquettes).

Lump charcoal (not briquettes) can be used in place of kindling for a clean, easy fire up.

Cold Start Initial Fire Up with Dry Kindling



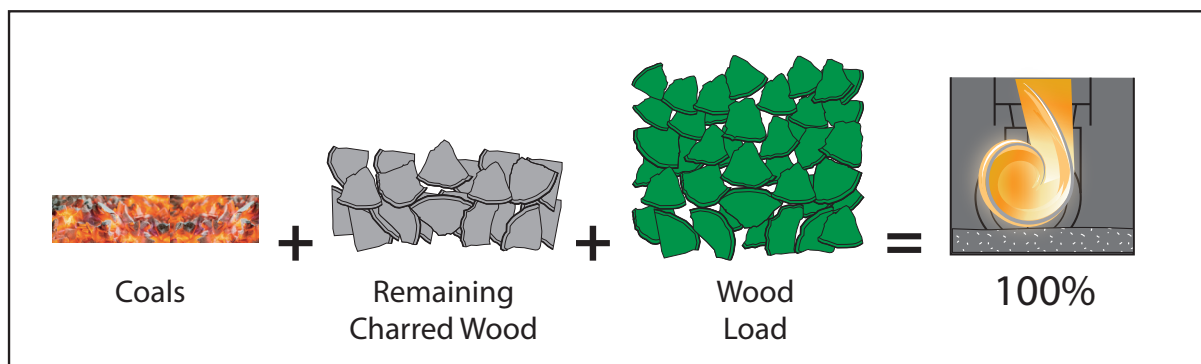
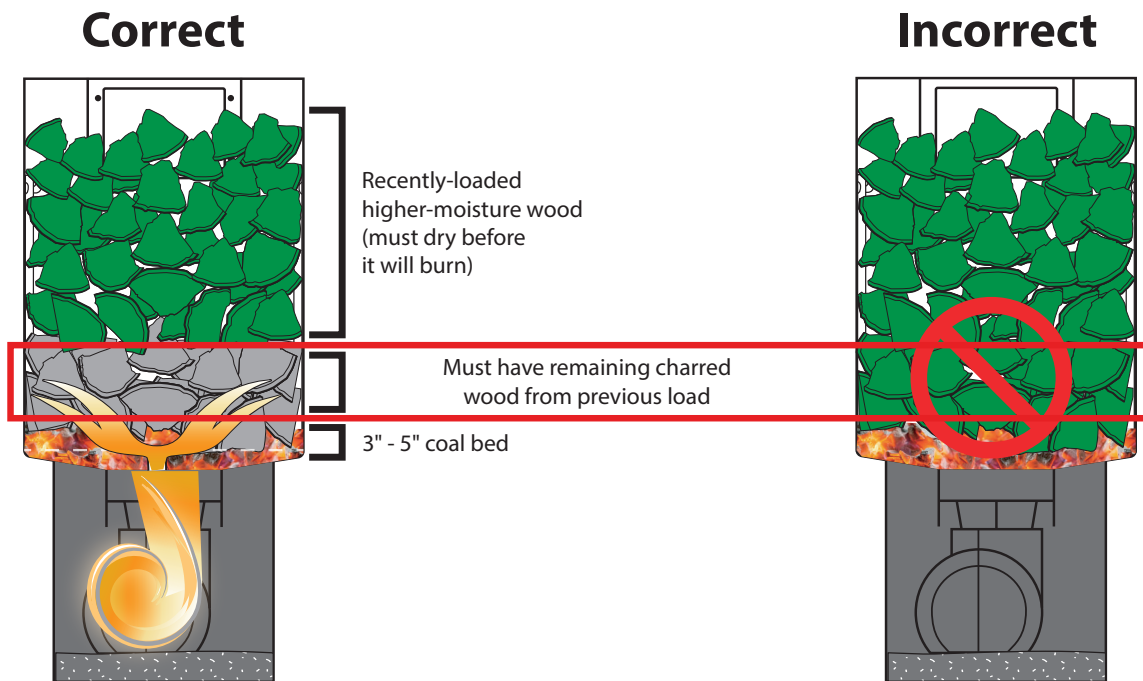
Daily Operation and Maintenance Summary

1. Load the furnace while there is plenty of charred wood and coals remaining (see page 2).
2. Maintain air flow through the furnace (see page 3).

Daily Operation: Loading the Furnace

- Use the cleaning rod to loosen the ashes before loading (see page 3).
- Wood cannot burn until it is dry enough to burn.
- If higher moisture wood* is used, it must be dried in the firebox before it will burn.
- For higher moisture wood, load the furnace sooner - load when the remaining charred wood and coals are up to the bottom of the door frame.
- Heat from the remaining charred wood and coals will dry the new wood enough to burn.
- If you deplete all the wood in the firebox and load higher moisture wood, the furnace will not operate optimally. The fire likely will go out.
- In most cases it is better to add more pieces of wood than fewer pieces in order to obtain an optimal burn.

Loading Wood with a Higher Moisture Content



*Seasoned wood burns best. Visit <https://www.epa.gov/burnwise> for more information.

See the Operation Video and Owner's Manual for more detailed instructions.

Daily Operation: Maintaining Air Flow

Understanding Air Flow

- In order for the fire to burn, air must be able to flow.
- Whenever wood is burned, ash is created and must be managed to maintain air flow.
- Some types of wood create more ash than others.



Fig. 1

Next Steps

- Before reloading, use the cleaning rod to loosen the ash and maintain air flow through the firebox. The cleaning rod should be slid along the yellow lines shown in Fig. 2 to loosen the ash.
- Check for blockage alongside and under the air charge tube (see Figs. 1 & 2).

NOTE: With regular use of the cleaning rod, ashes fall into the Reaction Chamber.

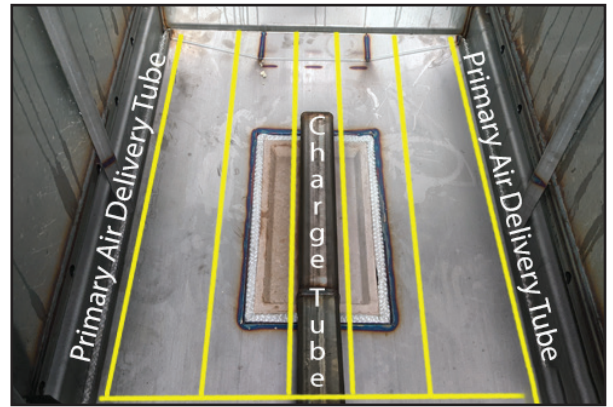


Fig. 2

- Remove the ashes from Reaction Chamber when needed (Fig. 3).



Fig. 3

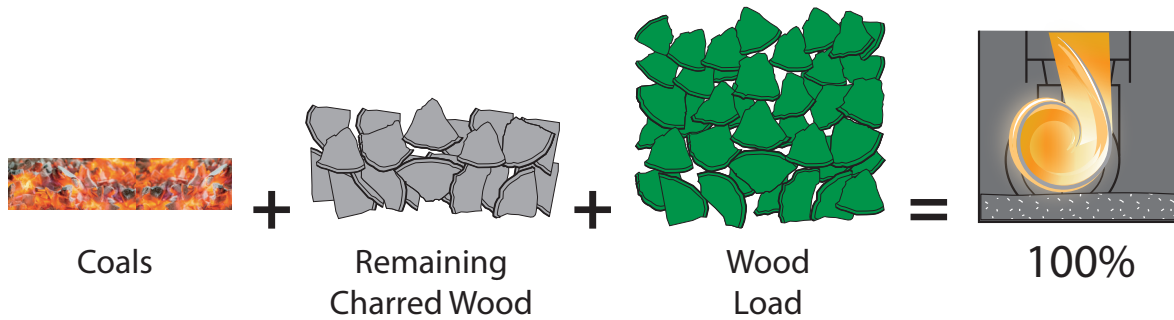
- Remove the turbulators and slide the cleaning rod through the entire heat exchanger—including above and behind the door frame (Fig. 4).



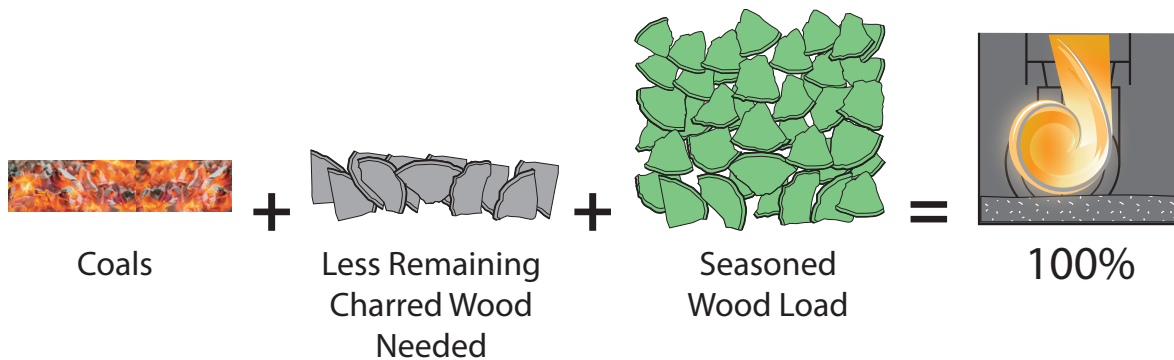
Fig. 4

See the Operation Video and Owner's Manual for more detailed instructions.

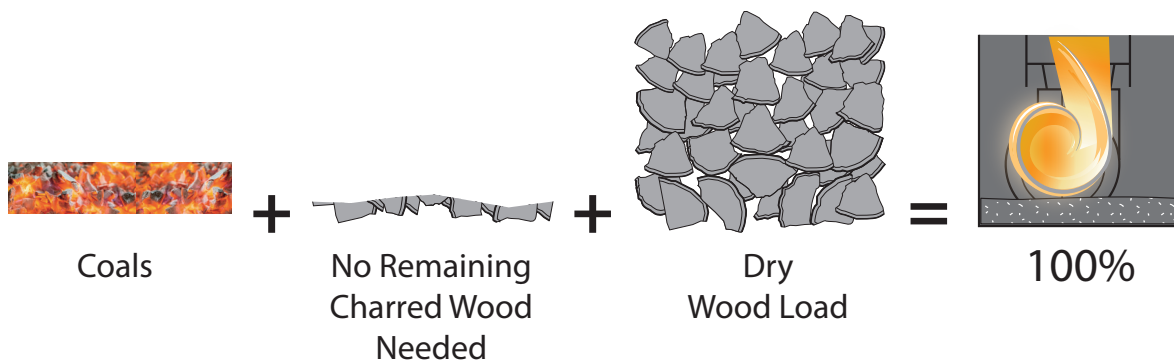
Higher Moisture Wood



Seasoned Wood



Dry Wood



- The higher the wood moisture, the more remaining charred wood and coals are needed when loading.
 - Use the Reserve Mode if necessary
- Wood that is cut, split and seasoned for a year or more, burns very easily and can normally be loaded with just glowing coals remaining in the firebox.
- If the coal bed becomes too deep, use the cleaning rod to open a passage into the Reaction Chamber and let the coals burn down before loading.

See the Operation Video and Owner's Manual for more detailed instructions.

CLEAN RELOAD™ QUICK REFERENCE



LESS SMOKE

Why use the Clean Reload feature?

- Clean Reload stops the active fire and Pulse Mode, resulting in less smoke during reload
- Easier to see inside firebox for ash maintenance



*Press the **Clean Reload** button on MyFireStar.com Dashboard **30-60 minutes before** you want to reload.



For best results, wait until the countdown time is at **T-30** or less.



Reload the furnace with wood and close the firebox door. The furnace will **resume** normal operation.

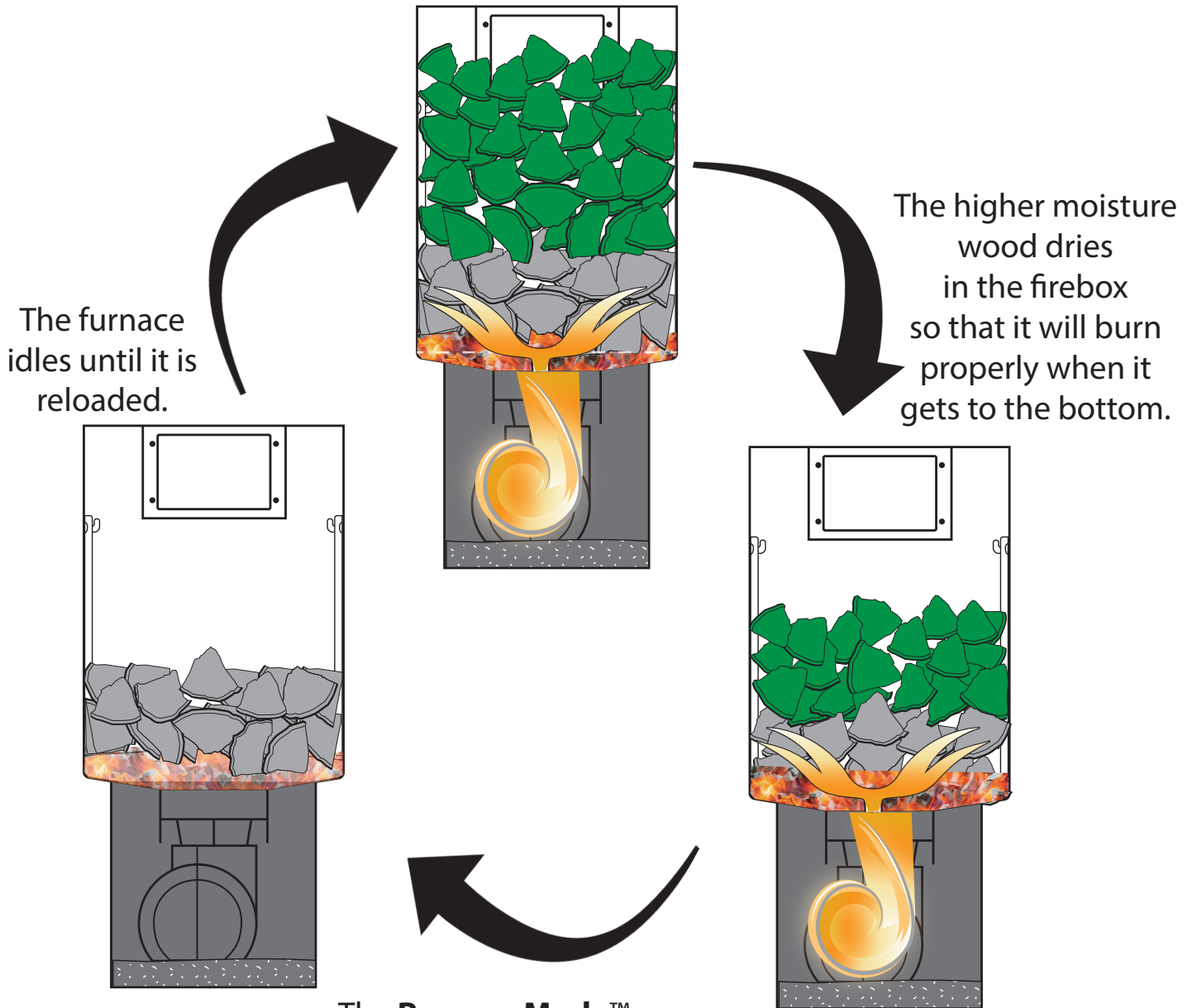
How to enable the Clean Reload feature for the first time:

*To utilize the Clean Reload feature, the furnace must be **connected** to the internet. You must have a smartphone or other web-enabled device with internet access and a **MyFireStar.com account**. On the furnace FireStar controller, **set menu item #15 to 1**. It may take up to 10 minutes for the Clean Reload button to initially appear. If the furnace is not reloaded within 60 minutes of pushing the Clean Reload button, it will automatically resume normal operation.

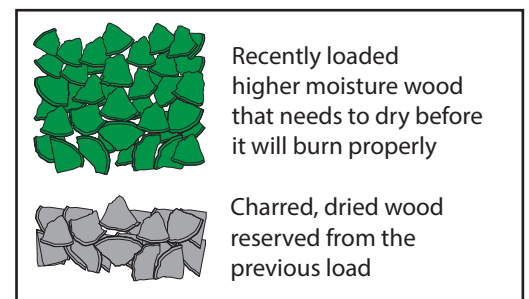
For more information, refer to the FireStar Operation Manual and/or CentralBoiler.com/Support

Use **RESERVE MODE™** when loading higher moisture wood

Higher-moisture wood is loaded
on top of the remaining dry, charred wood.



The **Reserve Mode™** reserves a portion of the previous wood load so that the new load will burn properly.



For more details on the Reserve Mode feature, visit CentralBoiler.com/Support