



American Energy Systems Inc

Information Bulletin

Daily Maintenance

Product models covered: All models of Biomass/Corn/Wood Pellet appliances.

Topic: This technical bulletin will be addressing how to perform daily maintenance on your unit to achieve maximum efficiency and enjoyment. Surfaces on the front of the unit will be extremely hot during operation. Always wear heat resistant gloves to perform maintenance. Be diligent with regular, proper cleanings. Read the owner's manual for detailed maintenance instructions.

Procedure:

Heat exchanger

Move the heat exchanger rod in and out 10 times and return it to operating position, all the way in. This should be done twice a day if you are using wet or dirty fuel. After cleaning, push the rake handle in until it stops.

Tap sides of burn chamber

Using the clean-out tool, tap the side heat exchangers that are located on the left and right sides of the firebox. When you open the door, they are located directly inside to the left and right. When you tap the sides with the clean-out tool the loose fly-ash will drop out of these slots.

Ash clean outs

Pull the lower front ash cleanouts out and scrape any fly-ash down into the ash pan. Push them back in all the way. If these plates are not in the closed position the unit will burn dirty.

Empty the firepot. (For non-stirrer units, clinker)

If a clinker ball develops in the firepot, empty it before it overflows with ash; scrape it out with the clean-out tool. You may have to do this once or twice a day depending on the moisture content of the fuel.

Glass

Open the unit's doors and wipe the inside of the glass with a damp cloth as needed.

Open the draft control wide open/high.

Pull the draft knob all the way out for about two minutes and put the unit on high fire. This will allow the unit to self-clean the heat exchanger area, the draft fan and exhaust chimney pipe.

The Magnum appliances are designed, approved and tested to burn Corn/Wood pellets and other Biomass fuels. The Magnum models will burn high ash content fuels, but will require additional maintenance/cleaning. The unit's performance depends greatly on the quality of your fuel and installation. Clean fuel means a consistent and trouble-free operation.

Daily Maintenance Checklist

- Heat exchanger**
- Tap sides of burn chamber**
- Ash clean outs**
- Empty the firepot. (For non-stirrer units, clinker)**
- Glass**
- Open the draft control wide open**