



**Country Flame®**  
by American Energy Systems Inc.

## AES Technical Bulletin

### **Over Heating of Appliance Causing Shutdown**

**Product models covered:** All models of Biomass/Corn/Wood Pellet  
MagnuM & Country Flame Appliances.

**Topic:**

This technical bulletin will be addressing why an appliance can over heat, what may happen when the appliance over heats and how repairs are handled so that normal operation can be resumed.

**Cause:**

An appliance can over heat when there is not proper air circulation, proper voltage or improper maintenance.

**Procedure:**

Always make sure that the air exchange patterns around the appliance are proper, so that the heat does not cycle from the heat outlet to the air intake for the unit. This will cause the unit to overheat as the heat is pulled constantly in a circle. The appliance is pulling the heat back into the stove, which the blower is pushing out. The area by the appliance is really hot and the rest of the room stays a little cooler. The best thing that can be done is to have some kind of air circulation in the room were the stove is located. This is common and can be eliminated by installing a ceiling fan, to help distribute the heat, or even turn on the home furnace blower, to help circulate the air through out the home. Proper installation and venting is the key factor contributing to why an appliance overheats and shuts down.

MagnuM & Country Flame appliances are designed to shut down as a safety feature, should the appliance not be properly installed and/or vented according to the specifications and manufacturer guidelines. Always follow the recommendations in the owner's manual for proper installation. Proper installation and appropriate air circulation will allow your appliance to burn efficiently and will remain trouble free. Check with your local dealer or service technician for more information or guidance.