



AES Technical Bulletin

Fireplace Blowing Cold Air

Topic: This technical bulletin will be addressing when a fireplace is blowing cold air into the home, what to look for and what maybe happening and how repairs are handed so that normal operation can be resumed.

Causes/repairs:

- ❖ If the unit is on an outside wall and not insulated properly, the cold air will penetrate the block (there is no insulation value in cement block) and will drop into the lower cavity of the fireplace enclosure and spill out into the room.
 - ◆ Follow the guideline stated in the owner's manual or contact your local dealer/installer for instructions.
- ❖ If the area above the slab was not insulated properly and the chase above it was not insulated, cold air will drop down through the slab and spill into the room.
 - ◆ Insulation may need to be installed. Follow the guideline stated in the owner's manual or contact your local dealer/installer for instructions.
- ❖ If there was no positive air shut off installed on the outside air, cold air will come in when the unit is not being used and will cool the air in the chamber and then cold air will spill into the room.
 - ◆ The positive air shut off will need to be installed. Follow the guideline stated in the owner's manual or contact your local dealer/installer for instructions.
- ❖ If the combustion air pipe is not connected to the fireplace it will drop cold air into the cavity and it will spill into the room.
 - ◆ Connect the combustion air venting pipe. Follow the guideline stated in the owner's manual or contact your local dealer/installer for instructions.
- ❖ If the ash dump area (if one was installed) was not properly sealed cold air can penetrate through the lower slab and spill into the home.
 - ◆ Check the ash dump area for proper seals. Follow the guideline stated in the owner's manual or contact your local dealer/installer for instructions.
- ❖ If the chimney has excessive draw, the damper rod left open, the outside air left open excessive cold air can be drawn through the fireplace causing the chamber to cool down and cool the room air.
 - ◆ Closing the damper rod and outside air can alleviate this. Follow the guideline stated in the owner's manual or contact your local dealer/installer for instructions.

Until the cold air penetration in the installation is solved the fireplace will not operate according to design. Always contact your local MagnuM dealer/installer for information or help concerning the installation of your fireplace to reduce improper installation problems.

