

MINNESOTA DEPARTMENT OF PUBLIC SAFETY

STATE FIRE MARSHAL

**Corn Burning Stoves
Underwriters Lab Warning / Notification**

Underwriters Laboratories Inc. is notifying consumers that corn burning stoves manufactured by Corn Energy Systems Inc. bear unauthorized UL Marks, and may pose a fire or smoke emission hazard to users. UL encourages consumers to stop using these products immediately and return them to the place of purchase.

Name of Product: Snowflake 3000 and Snowflake 5000

Units: Unknown

Manufacturer: Corn Energy Systems Inc.

Date of Manufacture: Unknown

Hazard: These units are not eligible to bear the UL Listing Mark and may pose a fire or smoke emission hazard.

Identification: A label located on the rear of the product displays MH29256 and the UL Listing Mark. It also identifies the manufacturer as "Corn Energy Systems, Bean Station, TN 37708," and lists the model numbers "Snowflake 3000" or "Snowflake 5000."

To view photos of the product, visit <http://www.ul.com/media/newsrel/nr031406.html>

What you should do: UL recommends that users stop using the stove immediately and return it to the place of purchase.

Consumer Contact: Call Corn Energy Systems Inc. at +1-828-891-1006 or +1-828-290-2001.

To view Corn Energy Systems recall of these stoves, visit <http://cornenergysystems.com/Product%20Recall.htm>

For more information, contact Joe Hirschmugl in Northbrook, Ill., by phone at +1-847-664-1508; or by e-mail at Joseph.F.Hirschmugl@us.ul.com.

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Last Modified: April 5, 2006

For additional information, contact **Robert Dahm**, Minnesota State Fire Marshal Division, at Robert.Dahm@state.mn.us or (651)215-0500.

Minnesota State Fire Marshal Division
444 Cedar St., Suite 145
St. Paul, MN 55101-5145



SOLID FUEL-FIRED BOILER ASSEMBLY

No. AK-729057

Northwest Manufacturing Inc.
600 Polk Ave. S. W. Red Lake Falls, MN 56750

WOODMASTER PLUS AFS1100

Solid fuel-fired hot water furnace/boiler
Burn Shelled Corn or Wood Pellets Only
Power Supply - 120V - 50 - 60 Hz - 15 Amps.
Never fire stove if water level light is not on.
Base: Noncombustible, concrete or cement blocks.
Installation clearances to combustibles:

18 inches from back / 48 inches from the front
6 inches from the sides / 18 inches from the chimney connector.

Do not store wood or combustible materials within installation clearances.

Install and use in accordance with the manufacturer's installation and operating instructions.

Auxiliary power generator may be used in the event of a power failure to prevent lines from freezing.

May be connected to existing boiler system only by certified plumber.

CAN/CSA-B366.1-M91 Solid-Fuel-Fired Central Heating Appliances (For Canada)

Refer to owner's manual for further instructions.

UL 391

STANDARD FOR SAFETY FOR SOLID-FUEL AND COMBINATION-FUEL CENTRAL AND SUPPLEMENTARY FURNACES

Scope

These requirements apply to manually fueled, solid-fuel-fired central furnaces. Included are supplementary central furnaces intended for interconnection with forced-air central furnaces utilizing other fuels, and combination oil-fired and solid-fuel-fired, forced-air central furnaces.

The furnaces are intended to burn solid fuels, such as wood, coal, or any other biomass fuel, as specified by the manufacturer.

The furnaces are intended for connection to chimneys for residential and building heating appliances in compliance with the Standard for Chimneys, Fireplaces, Vents, and Solid Fuel Burning Appliances, NFPA 211, and intended for installation in compliance with the Standard for Installation of Warm Air Heating and Air Conditioning Systems, NFPA 90B; and the National Electrical Code, ANSI/NFPA 70; and applicable mechanical codes such as the BOCA National Mechanical Code, the Standard Mechanical Code, and the Uniform Mechanical Code.

A product that contains features, characteristics, components, materials, or systems new or different from those in use when the Standard was developed, and that involves a risk of fire, electric shock, or injury to persons, shall be evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the level of safety for the user of the product as originally anticipated by the intent of this Standard.

UL 391 references these Standards: 1 * 3 * 20 * 62 * 94 * 224 * 296 * 310 * 331 * 343 * 353 * 372 * 506 * 510 * 514B * 723 * 746A * 746B * 746C * 746D * 797 * 810 * 842 * 873 * 969 * 1004 * 1054 * 1059 * 2111 * .

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Solid Fuel-fired Boiler Assemblies

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NORTHWEST MFG INC
600 POLK AVE SW
REDLAKE FALLS, MN 56750 USA

MH29131

Wood-fired boilers, Models 3300, 4400 and 5500.

Wood pellet or shelled corn fired boilers , Model AFS1100.

[Last Updated on 2005-11-29](#)

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[Heating Appliances] (Boiler Assemblies) Solid Fuel-fired Boiler Assemblies

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USE AND INSTALLATION

This category covers solid fuel- (wood and/or coal) burning boiler assemblies intended for installation in accordance with ANSI/NFPA 70, "National Electrical Code," and ANSI/NFPA 211, "Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances."

The installation is intended to be accomplished by a qualified agency (one who is engaged in, and is responsible for, or is thoroughly familiar with the installation and operation of solid fuel-burning heating appliances, who is experienced in such work, familiar with all precautions required, and has complied with all the requirements of the Authority Having Jurisdiction). The type of fuel (wood and/or coal) which the appliance is designed to burn is indicated in the individual Listings.

The installation is intended to be in strict accordance with the manufacturer's installation instructions furnished with the solid fuel-fired boiler assembly, and with the clearances to combustible material not less than marked on the boiler assembly. The type of floor (combustible or noncombustible) on which the boiler assembly may be installed is also marked.

When the boiler assembly is permitted to be installed on a combustible floor, the floor beneath the boiler assembly is intended to be covered with insulating, noncombustible floor protection as specified in the manufacturer's instructions and in ANSI/NFPA 211.

The chimney connector of the furnace should be installed to provide clearances to combustible material not less than specified in the individual Listings and marked on the furnace. The chimney connectors should be connected to a chimney suitable for use with residential type and building heating appliances that burn solid fuel.

ADDITIONAL INFORMATION

For additional information, see Boiler Assemblies ([KVFT](#)), Heating Appliances ([KTCR](#)) and Heating, Cooling, Ventilating and Cooking Equipment ([AAHC](#)).

REQUIREMENTS

The basic standards used to investigate products in this category are [UL 726](#), "Oil-Fired Boiler Assemblies," and [ANSI/UL 391](#), "Solid-Fuel and Combination-Fuel Central and Supplementary Furnaces."

UL MARK

The Listing Mark of Underwriters Laboratories Inc. on the product is the only method provided by UL to identify products manufactured under its Listing and Follow-Up Service. The Listing Mark for these products includes the UL symbol (as illustrated in the Introduction of this Directory) together with the word "LISTED," a control number, and the product name "Solid Fuel Boiler" or "Solid Fuel-fired Boiler Assembly."

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