

# THE ULTRA GREAT CLASSIC

Heat Exchanger



**Installation and Operation  
Instructions**

SAVE For Future Reference

**INSTALLATION INSTRUCTIONS FOR THE ULTRA GREAT CLASSIC  
MODELS 4228 AND 4232**

MANUFACTURED BY: WILKENING FIREPLACE CO.  
9608 STATE 371 NW, WALKER, MN 56484  
(218) 547-3393

**SAFETY NOTICE: IF THIS HEAT EXCHANGER IS NOT PROPERLY  
INSTALLED OR OPERATED, A HOUSE FIRE MAY RESULT. THIS UNIT IS  
INTENDED FOR USE ONLY IN A MASONRY CONSTRUCTED FIREPLACE.**

1. **Thoroughly read and understand these instructions before starting installation.** Save these instructions for future reference. Consult local building and/or fire officials for any installation restrictions, required permits or required inspections.
2. **Thoroughly** inspect and clean your masonry fireplace and chimney structure to verify that it is built in accordance with NFPA 211 standards and local building codes. The fireplace masonry structure must be free from loose brick, cracks, creosote deposits, loose mortar and be in good structural condition. **All deficiencies must be repaired!!** The chimney must be in good working condition and conform to the standard for chimneys, fireplaces, vents and solid fuel appliances **NFPA 211** and other codes. The minimum flue size must be 8" x 12" or 9" round. The use of a non conforming chimney or fireplace structure could create a **FIRE HAZARD** with loss of personal property and death!
3. A minimum hearth extension shall be at least 16" in front of the facing material and at least 8" on each side of the opening. Floor level hearths shall extend not less than 16" with a 1" thick non combustible material.
4. **Verify** the fireplace opening size, making sure that proper unit size has been selected and that the proper minimum spaces to a combustible mantle and to any combustible side trim is maintained. See diagrams on page 4.
5. **Permanently lock and secure the chimney damper in the open position or remove it from the fireplace.** Failure to do so may allow the damper to accidentally close. This will result in smoke spillage into the home with resulting property damage.
6. When not in use, a top sealing chimney damper is recommended. Install in accordance with the manufacturer's instructions. Furnish these instructions to the home owner/operator.
7. Remove the glass doors to ease installation. Slide the unit into the center of the masonry opening and level. Adjust the back leveling legs if necessary using a

9/16" wrench. If the masonry front is irregular, fill any voids and low spots with masonry cement to create a smooth surface that is the size of the faceplate. Failure to do so will allow air around the opening and may cause excessive burning rates which will develop excessive temperatures.

8. Insert the top clamp bolts into the predrilled holes located on each side of the heat outlet. Position the L shaped clamps inside the fireplace throat onto the attachment bolt with a washer and nut. This clamp will grip the back side of the masonry face of the fireplace. Tighten the attachment hardware, securing the insert to the fireplace. **Verify** the integrity of the seal and caulk with either high temperature silicone or stove and furnace cement if necessary. To seal the bottom of the unit to the hearth, remove the fan assembly, following step #7 of the operation and maintenance instructions, and apply a small bead of sealant along the base seam. Reinstall the fan.

9. Set the doors in place. Unwrap the upper and lower grill and install. Screws are provided for attachment.

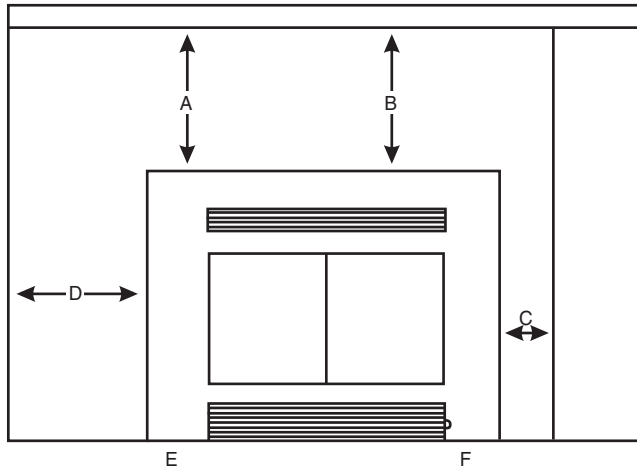
10. Plug the fan into a wall outlet. A 15 AMP 115 VOLT AC 60 HZ GROUND CIRCUIT IS REQUIRED. Consult a licensed electrical contractor if this outlet is not properly grounded. DANGER of electrical shocks or death may occur if proper outlet is not used. The fan has a variable speed control with a thermostatic on/off. The fan will not operate when the unit temperature is lower than 110° F.

11. The fan motor is permanently lubricated at the factory and requires no further lubrication. **If the fan assembly requires removal during installation, see step #7 of the OPERATION AND MAINTENANCE INSTRUCTIONS.**

**12. THERE ARE NO USER SERVICEABLE PARTS ENCLOSED IN FAN ASSEMBLY HOUSING. ALL REPLACEMENTS MUST BE PERFORMED BY A QUALIFIED SERVICE PERSON OR ELECTRICIAN. CONSULT YOUR DEALER.**

13. Use ONLY genuine factory replacement parts to repair this unit. Replacement parts are available from your dealer and are as follows: 4232 ceramic glass panel #100-4232, 4228 ceramic glass panel #100-4228, door gasket rope #900-100, fan motor #500-220, speed control #SC-3, heat sensor #BB-1.

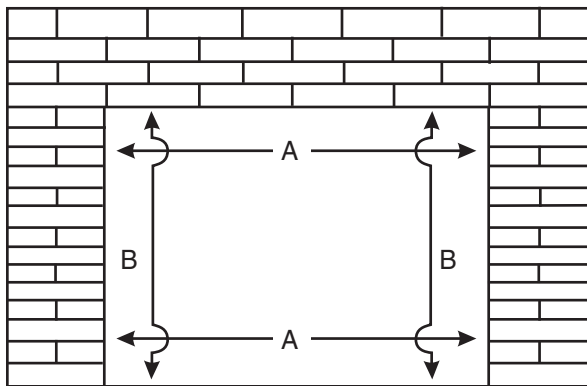
14. **Save** these installation instructions for future reference.



**CLEARANCE TO COMBUSTIBLE**

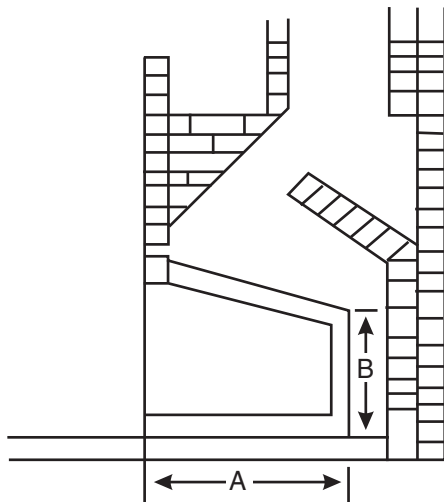
	MODEL 4228	MODEL 4232
<b>A - to wood mantle</b>	18"*	18"*
<b>B - to top face trim</b>	18"*	18"*
<b>C - to side trim</b>	6"	6"
<b>D - to side wall</b>	16"	16"
<b>E - raised hearth extension</b>	16"	16"
<b>F - floor level hearth extension</b>	18"	18"

\* A 1/2" air space to combustible is required when at 18" for clearance.



**REQUIRED FIREPLACE OPENING SIZE**

	MODEL 4228	MODEL 4232
<b>A - minimum</b>	28-3/4"	28-3/4"
<b>A - maximum</b>	40"	40"
<b>B - minimum</b>	24"	27-1/2"
<b>B - maximum</b>	27"	31"



	MODEL 4228	MODEL 4232
<b>A - DEPTH INTO FIREPLACE</b>	18-1/4"	18-1/4"
<b>B - HEIGHT AT 18-1/4" BACK</b>	18"	18"
<b>WIDTH AT 18-1/4" BACK</b>	24-1/4"	24-1/4"

## OPERATING INSTRUCTIONS

- 1. READ AND UNDERSTAND ALL OPERATING INSTRUCTIONS BEFORE LIGHTING THE FIRST FIRE!!** It is very important to clean the chimney before using your fireplace. This chimney should be inspected monthly during the heating season for creosote deposition, clean as required. Burn only seasoned natural wood. Non-seasoned wood will result in more creosote formation and less heat than seasoned wood.
- 2. CREOSOTE: formation and need for removal.** When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow burning fire. As a result, creosote residue accumulates on the flue lining. When ignited, this creosote makes an extremely hot fire. Inspect this chimney every month during the heating season. If creosote has accumulated, it should be removed to reduce the risk of a chimney fire.
3. Things to remember in case of a chimney fire. 1. Unplug the fan and keep doors closed. 2. CALL the fire department. 3. Prepare to leave the house.
4. **DISPOSAL OF ASHES:** Ashes must be placed in a **metal** container with a tight fitting lid. This closed container of ashes must be placed on a noncombustible floor or on the ground, well away from all combustible materials, pending final disposal. If these ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in this closed container until all cinders have thoroughly cooled.
5. **NEVER** use gasoline, gasoline-type lantern fuel, kerosene, charcoal lighter fluid, or similar liquids to start or to freshen up a fire. Keep all such liquids well away from the fireplace accessory while it is in use. Do not store fuel wood near the fireplace accessory.
6. Use no grates or andirons to support the wood. Burn directly on the bottom of the unit. Never allow the ashes to build up over 2 inches deep. Never allow the coal bed or base of the fuel to exceed the height of the ash retainer ring. Over firing of this unit may cause failure.
7. **NO** lubrication of any moving parts is required. The fan motor is permanently lubricated at the factory. **Cleaning of the fan should be done on a regular basis.** Dust from your home will collect on the blower assembly and cause failure of the fan if it is allowed to build up. To remove the fan, unplug it from the wall outlet and loosen the two nuts located on each side of the blower assembly, behind the lower grill. Slide the assembly out of the insert. Vacuum or use air pressure to remove any buildup of foreign material and reinstall the assembly. To reinstall the fan assembly, finger tighten the right side nut with clip, have the left side loose, slide the fan assembly base plate under both the right and left clip and tighten the left side nut to hold the clip securely in place. Verify that the foil faced insulation above the fan motor has stayed in place and is not blocking the fan inlets or outlets or the combustion air passages. Attach the magnetic heat sensor to the base of the unit and plug in the power cord.
8. A 15 amp 115 volt ac 60 HZ. grounded electrical circuit is required for this accessory. Consult a licensed electrical contractor if this outlet is not properly grounded or it is of a different voltage than listed. **DANGER**, electrical shocks or death may occur if not using a properly grounded outlet of the correct voltage.
9. Routing of the power supply cord must be done in a manner in which people will not interfere with or trip over the cord. Do not hook to any extension cord.
10. This accessory is designed for use with the doors closed to create a controlled fire effect. This will maximize your fireplace efficiency and minimize air flow from the structure.

**WARNING: RISK OF SMOKE AND FLAME SPILLAGE, WHEN OPENING THE DOORS TO REFUEL OR ADJUST THE FIRE, OPEN BOTH DOORS AT THE SAME TIME. SLOWLY CRACK BOTH DOORS OPEN TO ALLOW THE SMOKE WITHIN THE FIREPLACE TO VACATE PRIOR TO OPENING THE DOORS FULLY. FAILURE TO DO SO MAY RESULT IN SMOKE AND FLAME ESCAPING INTO THE ROOM DUE TO IRREGULAR AIR FLOW PATTERNS THAT HAVE BEEN CREATED.**

11. Consult the listing label for any additional warnings or instructions.

12. This unit is intended to use SOLID WOOD THAT IS PROPERLY SEASONED ONLY! DO NOT USE EXCESSIVE AMOUNTS OF KINDLING OR PAPER TO START THE FIRE AS OVERHEATING OF THE CHIMNEY AND MASONRY STRUCTURE CAN OCCUR. NEVER USE ANY TREATED WOOD OR COMPRESSED FIREPLACE LOGS. NEVER BURN EXCESSIVE AMOUNTS OF NEWSPAPER OR RAPIDLY FLAMMABLE CARDBOARD. DO NOT USE TO BURN PLASTIC OR ANY FORMS OF GARBAGE.

13. If a chimney top damper is installed, open it before attempting to start a fire.

14. To start the fire, crumble up into a ball 2 or 3 pieces of newspaper, placing a small amount of kindling wood upon. Stack several small pieces of fuel wood on this and ignite. Do not nest the wood tight as this will restrict air needed for combustion. Leave the doors open slightly ( $\frac{1}{2}$  inch) for several minutes to induce a draft in the chimney. Place several more pieces of split fuel upon the fire and close the door. An internal heat sensor activates the fan once it reaches 110 degrees F. A 10 to 15 minute warm up period is required after starting a fire to allow the fan to activate. Adjust the fan speed with the variable speed control located behind the lower grill on the right side. Combustion air for the fire is provided by the fan. With a faster fan speed, more air will be available for combustion and create a faster burning fire and more heat. Properly instruct all users prior to their operation of this unit.

**15. Initial firing of this unit will cure the heat resistant paint and cause any oiled metal surface to release smoke.** This will occur once the unit heats up and may last for several hours. Open a door or window in the room to allow the odor and smoke to escape.

16. The ceramic glass panel will withstand all of the heat output of this accessory. These glass panels can be easily cleaned with an ammonia based glass cleaner. Never use any sharp tool to scrape glass. Non-seasoned wood will result in a greater buildup of smoke residue than seasoned wood. In the event that you break the ceramic glass panel by impact, consult your dealer for a replacement. Do not continue to use your fireplace accessory if the glass panel is broken. Never use a substitute glass. Consult your dealer for replacement.

17. OVER FIRING OF THIS FIREPLACE ACCESSORY MAY CAUSE A FIRE! NEVER FILL THIS UNIT FULL OF WOOD. IF ANY PARTS START TO SMELL HOT OR STARTS TO GLOW, TURN THE FAN TO THE OFF POSITION. DO NOT ADD ANY MORE WOOD, ALLOW THE UNIT TO COOL OFF NATURALLY. STAY CLOSE AT HAND TO SUMMON THE FIRE DEPARTMENT IF NECESSARY. IF THE HEAT RESISTANT PAINT ON THE FRONT STARTS TO DISCOLOR, YOU ARE OVER FIRING!! CONSULT YOUR DEALER TO INSPECT THIS BEFORE USING AGAIN. ALL EXPOSED METAL SURFACES ARE HOT. CONTACT WITH THESE MAY CAUSE BURNS AND PERSONAL INJURY.

18. Before operating this appliance, install or inspect smoke detectors and purchase a fire extinguisher. Keep the extinguisher close at hand for unexpected occurrences.

19. SAVE these operating instructions for future reference!!



**ULTRAGREAT  
5 YEAR LIMITED WARRANTY**

Wilkening Fireplace Co. Inc. (hereinafter Wilkening), the manufacturer of the ULTRAGREAT unit, (hereinafter unit), hereby extends the following warranty:

1. Wilkening warrants that the metal components and glass panels will be free from defects in materials and workmanship for a period of (5) five years from date of purchase.
2. Wilkening warrants that the electrical components, fan, switches and controls will be free from defects in materials and workmanship for a period of (1) one year from date of purchase.
3. Upon proof that any metal parts or components are defective in either materials or workmanship under conditions of normal use and service, Wilkening agrees to the following:
  - a. If a defect in workmanship or material is shown during the first or second year, Wilkening shall, at their option, either replace or repair the same at no cost to the original retail purchaser.
  - b. In the (3rd) third through the (5th) fifth year, Wilkening shall furnish a replacement part or parts at no cost to the original retail purchaser.

Wilkening shall not be responsible for any labor costs, postage, freight, or other costs or expenses, including, but without limitation, any indirect, incidental or consequential damages.

Wilkening does not warrant any component or part included in the unit that is manufactured by anyone else. This limitation would apply to, but is not limited to painted or electroplated surfaces and gaskets.

Wilkening makes no representations or warranties, express or implied, except as stated herein. All implied warranties of any nature, including, but not limited to, any implied warranty of merchantability or fitness for purpose, are hereby disclaimed.

Wilkening's sole obligation for the unit is as contained in this limited warranty and any representations or warranties, whether express or implied, made by any dealer are not binding on Wilkening.

No warranty of any sort is made as to installation, labor, materials or parts adopted for use with this unit.

To Validate This Warranty, Complete This Card Below and Return to  
Wilkening Fireplace Co. Inc., 9608 State 371 NW, Walker, MN 56484-0625

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Model Number: (circle one) 4228 or 4232 Serial #: WHI- \_\_\_\_\_

NAME \_\_\_\_\_ INSTALLED BY \_\_\_\_\_

ADDRESS \_\_\_\_\_ INSTALLATION DATE \_\_\_\_\_

CITY, STATE & ZIP \_\_\_\_\_ DEALER'S NAME \_\_\_\_\_

I fully understand and agree to the terms of this warranty. CITY & STATE \_\_\_\_\_

Signature \_\_\_\_\_

Alterations, improper installation, abuse, neglect, or over firing of the unit will void any warranty whether express or implied.

A chimney cap must be installed to validate this warranty. A top sealing cap is recommended.

The limited warranty is made only to the original retail purchaser and is not transferable or assigned to any subsequent purchaser or owner.

This warranty is voidable at the option of Wilkening in the event that the unit is installed outside the continental United States or Canada or is removed from the place of original installation.

Wilkening reserves the right to examine any claimed defective unit, part or component thereof, under this limited warranty in its own place of business located at Walker, MN.

Furthermore, since Wilkening has no control over the manner in which the unit is installed, it cannot assume responsibility for such items as inadequate draft or similar problems caused by natural or man-made obstructions.

This unit must be installed in accordance with all building codes and regulations and the purchaser and/or user must determine the suitability of the unit in light of these applicable codes and regulations in advance. Each purchaser must also determine, in advance, the suitability of each unit for their specific needs.

THERE ARE NO WARRANTIES BEYOND THOSE CONTAINED HEREIN. EXCEPT TO THE EXTENT PROVIDED BY LAW, THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES MADE BY WILKENING APPLICABLE TO THIS UNIT INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY, USE, OR FITNESS FOR A PURPOSE. EXCEPT FOR THE WARRANTIES STATED HEREIN, THE PURCHASER TAKES THE UNIT "AS IS".

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. CERTAIN STATES DO NOT ALLOW LIMITATIONS ON THE LENGTH OF TIME OF AN IMPLIED WARRANTY. FURTHERMORE, CERTAIN STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF CERTAIN TYPES OF DAMAGES.

IN ORDER FOR THE LIMITED WARRANTIES GRANTED HEREIN TO BE EFFECTIVE, A COMPLETED OWNERS REGISTRATION CARD MUST BE RETURNED TO WILKENING WITHIN SIXTY (60) DAYS OF THE PURCHASE OF THE UNIT DESCRIBED HEREIN.

IN CASE OF QUESTIONS, OR IN ORDER TO ASSERT ANY RIGHT GRANTED HEREIN, YOU MUST CORRESPOND DIRECTLY WITH WILKENING AT THE FOLLOWING ADDRESS: Wilkening Fireplace Co. Inc., 9608 State 371 NW, Walker, MN 56484-0625 or 218-547-1988.