

NOTE: THE FOLLOWING INSTRUCTIONS ARE FOR THE "FOAM" TYPE COMBUSTORS MANUFACTURED BY CLEAR SKIES UNLIMITED, INC.

IF YOU HAVE A 25-CELL COMBUSTOR OR ANY OTHER TYPE OF COMBUSTOR, CONSULT YOUR MANUAL OR CALL OUR CUSTOMER SERVICE DEPARTMENT.

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**MANUFACTURER'S
INSTRUCTIONS FOR THE
OPERATION, CARE AND
MAINTENANCE OF THE
CS-200 SERIES WOOD
STOVE CATALYTIC
COMBUSTOR**

Revised Feb 2002

1. **INTRODUCTION:** Congratulations, you have purchased a wood burning appliance equipped with the latest catalytic technology, the CS-200 Series Combustor from Clear Skies Unlimited Inc. The CS-200 Series Combustor has been extensively tested and proven as an effective catalytic technology for use in EPA Certified wood burning appliances.

In order to insure proper operation of the CS-200 Series Combustor, we offer the following recommendations:

2. **MANUFACTURER'S OPERATING INSTRUCTIONS:** You will have received "Manufacturer's Operating Instructions" with your wood-burning appliance. THESE INSTRUCTIONS SHOULD BE CAREFULLY FOLLOWED to insure proper operation of the wood burning appliance and the CS-200 Catalytic Combustor. If you DID NOT receive "Manufacturer's Operating Instructions" with your wood-burning appliance, contact the manufacturer.
3. **WHAT TO BURN:** This is a wood-burning appliance and you should burn natural wood only. Do not burn artificial or paper logs, trash, garbage, gift wrappings, colored newsprint or magazines, lighter fluids, chemical starters, treated or painted wood, driftwood, chemical cleaners or coal.
4. **COMBUSTOR OPERATION:** The combustor has been installed to improve the operating efficiency of the appliance. The combustor is designed to activate at a temperature of approx. 380° F. If the stove is operated at temperatures below the activation point of the catalyst, the combustor may experience some soot accumulation. Generally, when this happens it will be burned off once the catalyst becomes active. However, in some situations if the stove is operated at very low temperatures, the combustor may need to be cleaned. If this becomes necessary, follow these instructions:
5. **REMOVING THE COMBUSTOR:** *CAUTION: DO NOT TOUCH THE COMBUSTOR WHILE IT OR THE STOVE IS HOT.*

Carefully remove the combustor from the stove. Do not remove the stainless steel band or manufacturer's holder from around the combustor.

6. **HANDLING OF THE COMBUSTOR:** To prevent damage to your combustor, do not drop the combustor, strike the ceramic surface, remove the stainless steel band from the combustor, scrape the combustor with any sharp or abrasive tools or expose the combustor to any chemicals or fluids other than a mixture of vinegar and hot water as recommended in the cleaning instructions.
7. **CLEANING THE COMBUSTOR:** *CAUTION: BOILING WATER MUST BE USED TO CLEAN THE COMBUSTOR.*
Prepare a mixture of white vinegar and distilled water for cleaning of the combustor. A gallon of distilled water should be available for rinsing of the combustor after cleaning.

White vinegar – 1 QUART enough to make a 50/50 solution with the distilled water to cover the combustor.

Distilled Water – 1 QUART enough make a 50/50 solution with the white vinegar to cover the combustor.

Rinse Water – 1 GALLON of distilled water.

Combine the white vinegar and the distilled water in a pot large enough to soak the combustor.

Bring the solution to a boil.

Soak the combustor in the solution for approx 30 MINUTES. The solution may need to be reheated for maximum cleaning effectiveness.

Rinse the combustor – Thoroughly rinse the combustor in the distilled water.

Remove the combustor from the rinse water and gently shake out the excess water.

NOTE: THE COMBUSTOR MUST BE COMPLETELY DRY PRIOR TO USE.

8. RE-INSTALL THE COMBUSTOR:

After the cleaning procedure, follow the manufacturer's instructions for replacing the combustor and reassembling the stove. Don't operate the stove for at least 24 hours. This will allow the combustor to dry and prevent steam from causing damage to the combustor. If the stove must be returned to operation immediately, the combustor can be dried in an oven. Place the combustor in an oven at 300°F for 60 minutes. Turn off the oven and let it cool to room temperature prior to handling.

This cleaning procedure has been found to be effective for non-damaged and non-worn out catalytic combustors. It will not revitalize a catalytic combustor if the catalyst has been worn out or damaged by use with improper combustibles. Check the performance of your catalytic combustor regularly after cleaning. Reduced effectiveness as a result of age or damage may result in an increased rate of creosote accumulation in your chimney. Contact your stove manufacturer for information regarding a replacement combustor if needed.

IMPORTANT NOTICE:

NEITHER CLEAR SKIES UNLIMITED INC. NOR THE DEALER OR STOVE MANUFACTURER WHO SELLS THE CS-200 SERIES CLEAR SKIES COMBUSTOR IS RESPONSIBLE FOR INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE IMPROPER USE OF THIS PRODUCT OR THE CONTINUED USE OF THIS PRODUCT BEYOND THE WARRANTY PERIOD. IMPLIED WARRANTIES, INCLUDING THOSE OF FITNESS FOR A PARTICULAR USE OR PURPOSE, ARE LIMITED TO THE TERMS AND CONDITIONS OF THE WARRANTY POLICY.