

Available Now!

The **HearthCAT™** Fireplace Technology

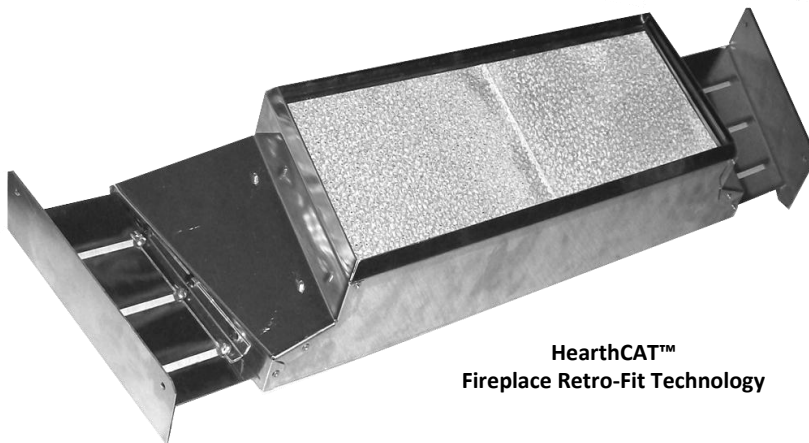
# for Chimney Sweeps



Revolutionary Emission Control Retro-Fit System for Wood Burning Fireplaces

## Chimney Sweeps Wanted as Installing Distributors

Wood smoke emissions are currently one of the most significant health risks in the US. While new regulatory standards for wood burning fireplaces will help to reduce particulate emissions in the coming years, there are 30 million existing wood burning fireplaces that will continue to pollute the air that we breathe. The HearthCAT Wood Burning Fireplace Retro-Fit Technology is designed to solve this problem.



HearthCAT™  
Fireplace Retro-Fit Technology

Clear Skies Unlimited Inc. has successfully developed a fireplace emission control retro-fit technology that reduces particulate emissions in wood burning fireplaces by as much as 90%. The HearthCAT™ system reduces particulates from existing masonry fireplaces to 4.3 g/kg. Well below the EPA Phase 2 emissions standard of 5.1 g/kg. The HearthCAT™ system is catalytic and employs a patented hood design to isolate the offensive pollutants and wood smoke. The particulates are then destroyed by our state-of-the-art catalytic system. The HearthCAT™ System can be installed in less than an hour, doesn't require any maintenance and is affordable to the consumer.



The US Environmental Protection Agency is introducing a new emissions requirement that will require all wood burning fireplaces to meet a projected Phase 2 emission limit of 5.1 g/kg. Existing fireplaces currently emit 12-15 g/kg of particulate pollution. There hasn't been a technological solution for the millions of existing wood burning fireplaces to meet the new EPA Phase 2 emissions limit . . . UNTIL NOW!

The HearthCAT™ System was tested to stringent EPA requirements at Omni Test Laboratory in Portland OR. Conclusive test data from Omni Laboratory indicates that HearthCAT™ Fireplace Technology reduces particulates substantially in all open hearth fireplaces.

We are distributing the HearthCAT™ System for wood burning fireplace retro-fit applications exclusively through the nationwide network of chimney sweeps. This arrangement insures that the chimney is properly cleaned and inspected prior to installing the HearthCAT™. Clear Skies is conducting a CSIA / NFI Approved Training Program for installing technicians. Visit our website @ [www.clearskiesunlimited.com](http://www.clearskiesunlimited.com)

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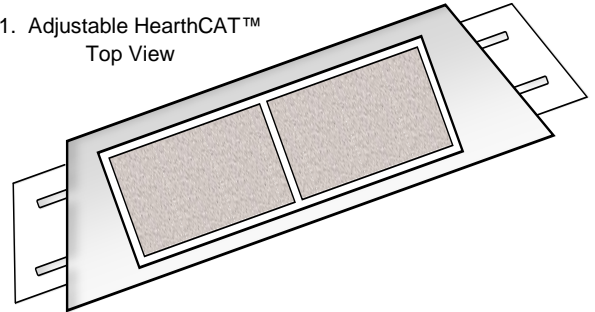
Installation Information on back page

## Fast and Easy Installation

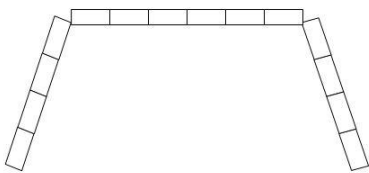
The HearthCAT™ can easily be installed in less than an hour. Four mounting screws will hold the two mounting brackets in place. Then the HearthCAT™ is simply positioned on the mounting brackets. It's that simple. Just follow the directions as specified below:

1. The HearthCAT™ Hood is has a trapezoidal shape to fit the angular sides of the firebox. The hood is equipped with adjustable extensions that slide-in-and-out. The 01 Series hood can be adjusted for firebox back wall widths from 23" to 31".

1. Adjustable HearthCAT™  
Top View

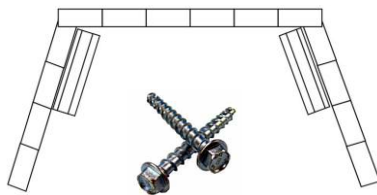


2. Typical Fireplace Firebox



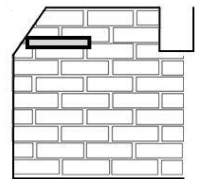
2. The HearthCAT™ should be installed after the fireplace is completely built. It is designed to be installed as an add-on device. It is mounted on two brackets that are mechanically attached to the side walls of the firebox. Insure that the firebox is structurally sound before beginning the HearthCAT™ installation. The brackets will be mounted on the sides of the firebox using the (4) masonry screws (provided). It is very important to install the brackets in the proper location in the firebox as described in STEP # 3.

3. Install Brackets



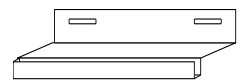
3. The two stainless steel brackets should be attached to firebrick on the side walls with the ends touching the back wall as shown in the diagram on the left. The height of the bracket installation is determined by the fireplace opening. The brackets should be installed so that they are even with height of the fireplace opening (lintel). The brackets can be used to identify the location

Side View of Bracket



location of the mounting screw holes. A black felt tip should be used to mark the location for drilling. Two holes will need to be drilled on each side of the firebox. The firebrick is easily drilled with the 3/16" masonry drill bit. Drill the holes to a depth of 1". A ratchet or other suitable hand tool should be used to attach the brackets with the masonry screws. Insure that the brackets are installed as shown on right. There is a lip on the bracket that supports the HearthCAT™ Hood. The open end of the lip should be facing the back of the firebox while the closed end faces the front. The closed end of the lip will prevent the HearthCAT™ from moving.

Bracket View



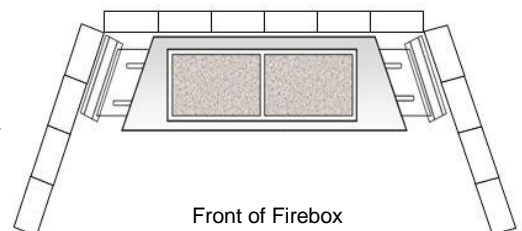
4. Adjust HearthCAT™



4. After the brackets are installed, the HearthCAT™ hood should be adjusted to the right dimension to properly fit into the brackets. Measure the distance between the installed brackets at their widest point (front). Now, move the adjustable extensions on the hood until the widest dimension on the hood extensions equals the widest dimension of the mounting brackets. Now, tighten the retention screws on each side of the hood.

5. The HearthCAT™ can now be installed in the firebox. Position the device in the brackets so that the HearthCAT™ is securely in place. The closed end of the location groove in the brackets will prevent the HearthCAT™ from moving forward in the brackets. The HearthCAT™ should be located against the back wall of the firebox directly above the grate. The damper handle (if required) should pass between the combustor blocks and remain operational. Chain operated units will have the chain in front of the hood.

5. HearthCAT™ Installed



The HeartCAT™ Emission Control System is now ready for use.