

Congratulations! You have purchased the Series 0066 **StoveCAT™**, a revolutionary Emission Control Device for wood burning stoves, heaters and furnaces that have a 6" exhaust pipe. Follow these instructions carefully for safe and efficient operation. You will find additional information @ www.healthyhearth.net

The **StoveCAT™** utilizes a patented catalytic design to capture the pollutants from the wood burning fire without developing any back pressure or harmful blockage with no need for a by-pass so there is NO intervention required by the user.



The **StoveCAT™** Catalytic System provides secondary ignition for the wood smoke combustibles preventing them from leaving the firebox as particulate pollution. The direct flame on the catalytic surface actually cleans the catalytic unit. The internal components of the **StoveCAT™** 0066 are manufactured from high quality stainless steel utilizing a proprietary design to suspend the catalytic component in the stovepipe. The catalytic component is a state-of-the-art ceramic material from Healthy Hearth LLC. The **StoveCAT™** can either be installed by a chimney professional or as a "Do-it-Yourself" project by the homeowner.

The **StoveCAT™** 0066 is easily installed. It doesn't require any power and has no moving parts. The StoveCAT™ catalytic device is installed into the flue collar of the exhaust port of the wood heater. The installation of the **StoveCAT™** converts a conventional wood burning appliance into a cleaner burning heater with better heating efficiency. Up to 80% reduction in harmful pollutants.

These instructions allow for the fast and easy installation of the emission control device on the wood heater for safe and efficient use. **SAFETY IS MOST IMPORTANT !** Follow all Safety Instructions closely.

CAUTION

The **StoveCAT™** ECD 0066 is a catalytic device that produces a flu temperature up to 1000F. It is very important to inspect your existing connector pipe for any creosote build-up . If there is creosote inside the connector pipe, the pipe should be cleaned or replaced prior to installation.

Preparing the Wood Heater for Installation of the StoveCAT™

The ECD is 8" high. It is designed to be installed on either a top mounted or back mount exhaust port. You need to remove 2.5 " of connector pipe to make the installation. You can also use telescopic pipe that offers flexibility in creating a 2.5" opening. Ensure that the mounting surface inside of the flue collar is clean.

The ECD is easily installed on the wood heater. There are fasteners (self-tapping screws) that will secure the device. It is very important that the **StoveCAT™** is properly aligned to avoid any exhaust leakage. Insure that the thermometer is properly aligned and facing upward.

No sealant should be required to install the StoveCAT™. It should seal inside the mounting surface of the wood stove when properly installed. However, Rutland Products Stove Gasket Cement can be applied in a thin film to the sealing surfaces to insure a safe installation.

Align the StoveCAT™ ECD on the Exhaust Port

The **StoveCAT™** 0066 has a 6" male connection on the bottom for insertion into the stove outlet (flue collar). It is designed to have a 6" OD single wall connector pipe connected to the top of the StoveCAT. Double wall connector pipe can also be used. Ensure that the thermometer gauge is oriented in the proper position. It should be facing forward and facing upward.

CAUTION

It is very important that the male end the the bottom of the StoveCAT™ is fully inserted into the exhaust port on the stove. Ensure that the StoveCAT™ is secure in the flue collar prior to the insertion of the connector pipe on the top of the device. Self tapping screws should be used.

Adapting the StoveCAT™ to Fit Properly onto the Wood Stove

Once the **StoveCAT™** is properly mounted on the flue collar of the wood heater, you can install the connector pipe. Remember, if you are using single wall black pipe, the 6" pipe needs to be inserted 1.5" into the **StoveCAT™**

You can also use telescopic stove pipe for the **StoveCAT™** installation. Once the connector pipe is adjusted and secured, the **StoveCAT™** is properly installed.



CAUTION

A chimney cap **MUST** be installed. It will keep rain water from coming down your stove pipe. Having rain or water coming down the stovepipe onto the catalytic component will have a significant performance impact on the catalytic activity.. It can fracture the ceramic cat. Rain water can also damage chimneys with stainless steel liners, chimney dampers and chimney mortar joints. Beyond the damage from the water itself, moisture from rain water can produce mold and mildew in your exhaust system.

CAUTION

The first time that the wood stove is operated after installation of the **StoveCAT™**, the stove should be monitored for any smoke spillage. Check the mounting connection on the top of the stove and the connector pipe for any leakage. If there is any smoke leakage, properly ventilate the room and allow the fire in the appliance to go out. Email Healthy Hearth @ cleanfireplaces@yahoo.com with any problems or questions.