

LIMITED WARRANTY 25 YEARS

FACTORY – BUILT FIREPLACE COMPONENTS

DESA International warrants to the original owner and not to any subsequent owner that it's Built in Fireboxes are free from the defects in material or workmanship for a period of 25 years from the date of installation. If any part of these fireboxes fails during the period because of the material or workmanship (DESA International) will correct the defect in the following manner:

120 DAY NO COST REPAIR OR REPLACEMENT PARTS WARRANTY

DESA International warrants the following parts for 120 days from the on date of purchase to be free from the defect in the material or workmanship:

1. Grates
2. Safety Screens
3. Blowers
4. Glass doors Assemblies

NOTE: The glass panel are warranted against breakage due to heat from the firebox and not from the breakage occurred during installation and transportation after the initial installation.

If the original owner of a (DESA International) firebox believes that these parts have failed during the 90 days from the date of installation, the owner should notify the nearest (DESA International) distributor or the dealer. (SEE THE NOTIFICATION OF DEFECT OUTLINED BELOW). After 90 days from the date of installation (DESA International) will for a period of 25 years (TOTAL) provide a replacement part at the current list price for those parts listed above but for the owner must pay any labor and freight charges incurred.

REFRACTORY WARRANTY

FIRST YEAR

DESA International warrants the refractory (except the hairline cracks less than 1/16" in width). One year from the date of manufacture to be free from defect in material and workmanship.

If the original owner of a (DESA International) firebox believes that any of the refractory parts have failed during the above one-year period, the current owner should notify the nearest (DESA International) distributor or the dealer. (DESA International) will pay for the refractory replacement and reasonable labor charges. (DESA International) will be responsible for the freight charges.

SECOND YEAR

DESA International will supply the refractory replacement parts at the current list price that is in effect at time of the replacement. (DESA International) will assume no responsibility for any labor freight charges incurred.

ONE YEAR NO COST REPAIR OR REPLACEMENT OF THE PARTS WARRANTY

If the original owner of a (DESA International) firebox believes that any other part has failed during the one-year period from the date of the installation (including the chimney and the chimney components), because of defective material or workmanship the nearest dealer or distributor should be notified (SEE NOTIFICATION OF DEFECT OUTLINED BELOW).

The dealer or distributor will then send a replacement representative out to examine the fireplace. If the examination in the sole judgment of (DESA International) proves that any part of the firebox has failed because of defective material or workmanship. (DESA International) will, at its option, either repair or replace the part without charge to the owner. (DESA International) will also pay the cost of the examination by the dealer or distributor to determine whether or not the part is defective.

SECOND THROUGH FIFTH YEAR FREE PART OF REPLACEMENT ONLY WARRANTY

At the end of the one year from the date of installation, (DESA International) will then for the next 4 years replace the parts, which fail due to defect in the material or workmanship under the following terms.

Again, the original owner should notify the (DESA International) dealer or distributor for an examination of the part. If the examination in the judgment of (DESA International) proves that any part of the firebox has failed because of defective materials or workmanship, (DESA International) will furnish a replacement part and the owner must pay the installation of the replacement part. (DESA International) assumes no responsibility for any freight charges.

SIXTH THROUGH TENTH YEAR 50% COST PRICED OF THE PARTS REPLACEMENT WARRANTY

At the end of the 5-year period of free part replacement, 5 years from the date of installation, (DESA International) will replace any part, which fails due to defect in material or workmanship during the next 5 years subject under the following terms.

Again, the original owner should notify the (DESA International) dealer or distributor for an examination of the part. If the examination, in the sole judgment of (DESA International) proves that any part of the firebox has failed due to a defect in material or workmanship. (DESA International) will provide a replacement part at the current list price for that part must be paid by the owner. (DESA International) assumes no responsibility for any freight charges.

ELEVENTH THROUGH THE TWENTY FIFTH YEAR COST PRICE OF PARTS REPLACEMENT WARRANTY

From the 11 to the 25-year after the date of installation, (DESA International) will replace the part that fails due to the defects in material or workmanship to the following terms:

Again, the owner of the firebox should notify the nearest (DESA International) dealer distributor for an examination of the part of the fireplace, which has failed due to a defect in material or workmanship. (DESA International) will provide a replacement part at the current list of the part. The owner must pay any labor charges connected with the examination and the removal of the defective part and installation of the replacement part. (DESA International) assumes no responsibility for any freight charges.

NOTIFICATION OF DEFECT

A (DESA International) dealer or distributor should be contacted directly by the owner for any service, including service under these WARRANTIES. The repair and replacement of any defective part covered by these warranties is in the responsibility of the nearest (DESA International) dealer or distributor.

EXCLUSION OF INCIDENTAL, SPECIAL AND CONSEQUENTIAL DAMAGES

DESA INTERNATIONAL SHALL HAVE NO LIABILITY FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE SALE OR USE OF THE FIREBOX.

LEGAL RIGHTS

This warranty gives you specific legal rights and you may also have other rights, which may vary, from state to state.

EXCLUSIONS

These warranties do not apply and (DESA International) assumes no responsibility for any damages that result due to the following:

1. Improper installation of a firebox.
2. In any case where the firebox has been either tampered or altered in any way.
3. In any case where the sole judgment of (DESA International), the fireplace has been misused, used negligently or suffered damage.
4. In any case where the firebox has been moved from its original installed location.
5. In any case where a poor draft is caused by air conditioning systems or any other mechanical devices such as heating systems, exhaust fans or by adverse environment factors. (DESA International) is not responsible for smoking caused by inadequate chimney heights resulting from adjoining roof structure, buildings or nearby trees and structure caused unusual wind conditions resulting in a downdraft.
6. This limited warranty does not apply to a chimney fire due to lack of adequate cleaning (refer to operating instructions) of creosote build-up.
7. (DESA International) further assumes no responsibility for defects or damages caused by the use or installation of any modification to the fireplace and other devices not manufactured or approved by (DESA International) in writing.

THESE WARRANTIES ARE GIVEN IN LIEU OF ANY OTHER EXPRESS WARRANTIES. (DESA INTERNATIONAL) DOES NOT AUTHORIZE ANY PERSON OR REPRESENTATIVE TO MAKE ANY REPRESENTATIONS TO THE CONTRARY IN CONNECTION WITH THE SALE OF A BUILT-IN FIREBOX.

DESA International
P/N 106625-01
REV C
5/02



HOMEOWNERS GUIDE FOR YOUR WOOD BURNING FIREPLACE

Before building your first fire, read this manual carefully by fully understanding and observing the operating guidelines included in this manual. You will enjoy safe and comfortable warmth from your fireplace. Remember, you are building a fire inside your home, so it is important that you observe these guidelines.

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IMPORTANT HOMEOWNER INFORMATION ***DO NOT REMOVE***

DESA INTERNATIONAL

2701 Industrial Drive

Bowling Green, KY 42102

www.desatech.com

IMPORTANT SAFETY PRECAUTION

The DESA international limited warranty will be voided by and DESA will disclaim any responsibility for the following:

- A. Improper installation of your DESA fireplace and DESA component parts. Consult your installation instruction book.
- B. Any altering of the DESA fireplace and the DESA component parts.
- C. The use of an insert in a DESA fireplace. DESA international does not recommend or authorize the use of any insert in our fireplaces and we will assume no responsibility for any damages that may be created by its use.

The safety precautions and operating instructions presented in this homeowners guide cannot cover all possible situations that may arise during your fireplace operation. Common sense, caution and care must always be used.

- D. Never start a fire with a liquid type fire starter, such as:
 - 1. Gasoline
 - 2. Kerosene
 - 3. Liquid bar-b-que starters
- E. Never burn trash or christmas trees
 - 1. They create extremely hot fires
 - 2. They cause sparks that may be hazardous
- F. Never use wood products with synthetic binders
 - 1. They build up creosote in your flue system and termination, which may cause a hazardous condition.
- G. Caution your children and be aware of your pets
 - 1. The exposed metal parts of your fireplace and glass doors (if installed) become very hot during the fire.

UNDERSTANDING YOUR FIREPLACE

This fireplace has been tested to U.L. 127 test standards and is well insulated for clearances to combustible construction materials used to build your home. The proper clearances are outlined by a label on each component for the use by the installers and by the building inspector to insure compliance.

FIREBOX:

The firebox is the portion that the fire is built in and is made of heavy gauge steel lined with brick patterned refractory material (firebrick) on the back, sides and bottom (hearth). This is surrounded by another metal enclosure on the top, back and bottom sides. The air space between the firebox and the outer enclosure provides the circulating feature that has been engineered for a safe and efficient design.

CUSTOMER SERVICE

Enjoy your fireplace. If you have any problems, please review this guide for a possible solution. If the problem persists please contact the dealer or the distributor. If you are unable to contact any of the above, a customer service representative is ready to help you.

PLEASE CONTACT:

DESA INTERNATIONAL
Technical Service Department
2701 Industrial Dr.
Bowling Green, KY 42102
Telephone: (866) 672-6040
www.desatech.com

FOR YOUR FUTURE REFERENCE, PLEASE FILL OUT THE FOLLOWING INFORMATION. IT WILL AID YOU IF YOU SHOULD NEED ASSISTANCE.

FIREPLACE MODEL NUMBER: _____

FIREPLACE SERIAL NUMBER: _____

Date of Occupancy: _____

Note: The serial number and other pertinent information can be found on the rating plate located behind the screen near the upper right hand corner of the firebox. In some models it may be located vertically on the side panel.

GLASS BREAKAGE:

The glass doors used by DESA are tempered (safety) glass and have been tested to National standards. When the glass breaks during use, it is a sign of the following:

1. Fire is too large.
2. Logs too close to the glass.
3. Heat has built up too fast.

Logs and any burning materials should not touch the glass. The chance of glass breaking will occur if this happens.

CONTINUED OPERATION AT EXCESSIVELY HIGH TEMPERATURES MAY CAUSE THE GLASS TO PARTIALLY LOSE ITS TEMPER AND BREAK.

CLEANING THE GLASS:

Clean the glass with any commercial glass cleaner or soap and water. DO NOT use any abrasive material to clean the glass. DO NOT clean the glass with any cool water if the glass is still hot from the fire.

▲ WARNING: DO NOT INSTALL A FIREPLACE INSERT IN THIS FIREBOX UNLESS THE MANUFACTURER'S INSTRUCTIONS WITH THE INSERT SPECIFICALLY STATE THIS FIREBOX HAS BEEN TESTED FOR USE WITH THE INSERT.

GAS LOGS:

A full line of vented and vent-free DESA designed gas logs is available. See your dealer or distributor or visit www.desatech.com.

DO NOT OVERLOAD THE FIREPLACE. Piling excessive wood on your grate will not increase efficiency and could possibly cause smoke to enter your room.

FANS/BLOWERS:

This accessory is designed to enhance the convection principle. It is not a blower system (on circulating units only).

CHIMNEY SYSTEM:

The chimney is also made of metal extending from the top of the fireplace through the roof and capped with a screened termination. The inner liner (flue) of the chimney is made of stainless steel and provides for the exhaust of gases (carbon monoxide) from the fire. The outer liner is made of galvanized steel and provides the passage for the cooling air to keep the chimney safe at the labeled clearance to combustible building materials.

DAMPER:

The damper is the metal disk found at the base of the chimney (flue) and has two (2) positions, open and closed. The flue gas damper is located inside the firebox similar to a conventional masonry fireplace. See the installation instructions for your fireplace operation.

OUTSIDE AIR KIT OPERATION:

The outside air damper is located on the inside of the fireplace. See the installation instructions for your fireplace operation.

FAN/BLOWER:

Do not turn on the fan until you have a good fire. The fan system is designed to enhance the convection principal of the fireplace and is not designed to be a blowing system. The switch located on the lower front face of the fireplace operates the fan.

FIREPLACE GRATE:

The unit has been equipped with a grate designed to keep the operation of your fireplace efficient and safe. Do not attempt to defeat its purpose. The size and the position of the grate were engineered to give the ideal combustion characteristics for the fire. By keeping your logs within the grate and not on the hearth, you will prevent the chance of having a log "spill" or roll out of the fireplace. DO NOT OVERLOAD THE FIREPLACE. Piling excessive wood on your grate will not increase efficiency and could possibly cause smoke to enter your room. When replacing grate, replace with a DESA replacement grate for your fireplace model only.

FIREPLACE SCREEN:

The fireplace screen prevents sparks and embers from escaping the fireplace. Screen should always be closed when a fire is burning. **Caution:** screen handles will become hot.

FIREPLACE GLASS DOORS (IF INSTALLED):

Your glass doors must be in the fully opened or fully closed position during operation of the fireplace.

OPERATING YOUR FIREPLACE

1. Keep the grate in the brackets provided.
2. Open the flue damper. The flue damper must be in a FULLY OPENED POSITION.
3. Open the combustion air damper.
4. Build a proper fire.
 - a. Use seasoned dry wood. Should be seasoned at least ONE (1) year.
 - b. Criss-cross small pieces of wood and place crumpled newspaper under it.
 - c. Place 3 logs on the grate. DO NOT OVERLOAD.
 - d. Light the newspaper.
 - e. Close the fire screen.
5. Fireplace glass doors, if installed, must be in the fully opened or fully closed position during operation of the fireplace.

IN COLD WEATHER, to assure proper draw, preheat the flue by burning a crumpled newspaper in the damper area. This will help to heat the flue. Open the damper before this procedure is started.

- f. Do not close the damper until you are certain there are no warm embers after using your fireplace.
- g. Dispose of ashes by using a metal container with a tight lid. Do not remove the ashes until you are certain they are completely burned out.

This fireplace is not intended to be used as a substitute for a furnace to heat an entire home. Use for supplementary heating only.

WOOD SELECTION

Selecting the right wood burn depends on your preference for comfort, aroma and visual image. If you want a constant heat output, a short flame with a glowing coals type of fire, select a hardwood. If however, you want a short hot fire for damp and chilly mornings, select a softer wood. The following chart is a guide for your selection.

HEATING THE CIRCULATING LOUVERED FIREPLACE

During the operation of this model fireplace, cool air enters the firebox through the lower grilles; heat rises and is expelled into the room through the top grille. This is called *convection* heat.

During periods of extremely cold weather, when the fireplace is not being used, the exact opposite may happen. Warm room air will enter the upper grille due to the extreme cold air near the outside of the metal firebox, the air cools, drops and re-enters the room through the lower grille.

This may be an indication that the cold climate installation procedures were not used.

▲ WARNING: NEVER BLOCK A VENT OR GRILLE OF THE FIRE PLACE. THIS IS IMPORTANT TO THE COOLING OF THE FIREPLACE AND ASSURES A SAFE AND PROPER OPERATION AS DESIGNED.

ACCESSORIES

GLASS DOORS:

The bi-fold glass doors are available for use on most fireplaces as an optional accessory. Refer to the fireplace installation instructions as to which model fits your fireplace. NOTE: Use of glass doors other than those manufactured by DESA voids the warranty and may create a potentially hazardous condition.

Refer to the installation instructions that come with the kit for installation details. The glass doors kits can be installed before, during or after your fireplace has been installed.

▲ WARNING: FIREPLACES EQUIPPED WITH THE GLASS DOORS SHOULD BE OPERATED ONLY IN THE FULLY OPENED OR FULLY CLOSED POSITION. BI-FOLD DOORS, IF LEFT PARTIALLY OPEN, MAY DRAW GAS AND FLAME OUT OF THE FIREPLACE OPENING, CREATING RISKS OF BOTH FIRE AND SMOKE.

CAUTION: CLOSE THE FIRE SCREEN BEFORE CLOSING THE GLASS DOORS.

5. Chimney termination not installed to the proper height.
6. Blockage of the flue or the termination cap.
7. Flue and the termination caked with a creosote build-up.
8. Grate too far forward, not positioned behind the smoke shelf.
9. Damper not in the fully opened position.
10. Outside air damper not in the opened position.
11. Operating Fireplace with partially opened doors.

FOR THE SEE – THROUGH AND PENINSULA MODELS, AIR CURRENTS IN THE ROOM CAN CAUSE SOME SMOKE SPILLAGE.

COLD AIR DRAFTS

In the cold areas, you must take special precautions and follow the "COLD CLIMATE" installation instruction section of your owner's manual.

If the cold air drafts are present when the fireplace is not in operation, you should check the following:

- a. Air coming out of the fireplace opening. See if the damper is in the closed position.
- b. Air near the sides of the firebox interior. See if the outside combustion air damper is in the closed position.
- c. Air coming in around the sides of the fireplace, between the fireplace face and the wall. Check to see that the fireplace frame has been caulked to the enclosure of the frame.
- d. Cold air from the bottom grille (circulating units only). Has the fireplace enclosure and the base of the fireplace been insulated according to the cold climate installation instructions.

PLEASE NOTE

After all the measures to avoid cold air drafts are taken, there may still be some cold air draft coming through the louver and the other areas. This may be due to circumstances beyond the manufacturer's control, such as airflow around the structure, tightness of the house (creating negative pressure) etc.

ASH DISPOSAL:

Ashes should be placed in a metal container with a tight-fitting lid. The closed container of ashes should be placed on a non-combustible floor or on the ground. The container should be kept well away from all combustible materials pending final disposal. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until the cinders have thoroughly cooled.

Those woods at the top of the chart are the harder woods and those at the bottom of the chart are the softer. Aromatic woods are the best from the nut and the fruit trees such as the hickory, apple, cherry, beech, etc. The heat value from the harder wood is better than from the softer wood. It is important to burn wood that has been "seasoned." Wood needs the seasoning to reduce moisture content for a good, steady fire and less creosote output. The recommended length of time for proper seasoning is approx. 1 year.

SPECIES	DENSITY
Dogwood	0.70-.79
Hickory	0.70-.74
Oak	0.60-.73
Beech	0.64-.66
Hard Maple	0.58-.65
Birch	0.55-.64
Mulberry	0.59-.63
Apple	0.58-.62
Ash	0.57-.61
Southern Pine	0.51-.60
Elm	0.50-.59
Walnut	0.52-.55
Soft Maple	0.47-.54
Cherry	0.50-.52
Sycamore	0.49-.52
Douglas Fir	0.45-.51
Chestnut	0.42-.44
Spruce	0.41-.44
Hemlock	0.40-.42
Redwood	0.33-.40
Aspen	0.37-.39
White Pine	0.35-.37

CLEANING AND MAINTAINING YOUR FIREPLACE

CREOSOTE-FORMATION AND NEED FOR REMOVAL:

When wood is burning slowly, it produces tar and other organic vapors, which when combined with expelled moisture, forms 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. The chimney should be inspected at least twice a year during the heating season to determine if a creosote build-up has occurred. If creosote has accumulated, it should be removed to reduce the risk of a chimney fire. You may want to use a professional chimney sweep to perform this task.

CLEANING INSTRUCTIONS

TERMINATION CAP REMOVAL: In order to clear creosote from the flue, the termination cap must be removed.

- If the termination is a round top characterized by 3 feet of exposed pipe and a round cap, simply remove the 3 sheet metal screws that secure the termination to the last section of the pipe and lift the cap off.
- For the square chase termination with a pyramid cap, remove the screws that secure the top, at the four corners.
- Place the top aside.
- The flue is now clear for cleaning.
- Cleaning the chimney is very dirty work. Close the damper before starting or fine soot can become airborne in the house. After the cleaning is completed, open the damper and collect the debris in a trash container. A professional Chimney Sweep has all the tools and experience necessary to complete a job and should be considered for this chore.
- Be certain to clean all loose debris from the termination before replacing.
- Before installing a vented or a vent-free gas log set in a solid fuel burning fireplace, the chimney flue and firebox must be cleaned of soot, creosote, ashes and loose paint by a qualified chimney cleaner. Creosote will ignite if highly heated. Inspect chimney flue for damage. If damaged, operate vent-free gas log heater with flue damper closed.

CARE FOR YOUR REFRACTORY

The refractory material (with the brick pattern) that is in the interior of your fireplace (sides, back and bottom) is manufactured with a high quality cement mixture and reinforced with a wire mesh.

In a new fireplace or one in which you just replaced the refractory, allow the refractory to cure for 24 hours. When building a fire, build a small one for the first 3 or 4 fires.

The refractory is subjected to expansion and contraction from the heating and cooling of the firebox during the operation. It is acceptable to operate the fireplace with cracks of 1/64 inch wide.

IF A CRACK SHOULD DEVELOP THAT IS LARGER THAN THE HAIRLINE CRACK DESCRIBED, THE FOLLOWING CORRECTIVE MEASURES CAN BE TAKEN:

1. You can patch the crack with a refractory patching cement that is available at fireplace shops or hardware stores. THE REFRACTORY MUST BE IN ONE PIECE.
2. A ONE PIECE REFRACTORY WITH A CRACK THAT EXCEEDS 1/64 INCH WIDE MUST BE REPLACED WITH A NEW PANEL.

Above items are available through your service dealer.

GRATE:

If your grate deteriorates or is distorted, it should be replaced with the DESA grate designed for your fireplace. See owner's manual.

TROUBLE SHOOTING

SMOKING:

Your fireplace has been designed to operate without smoke spillage into the room when installed and operated properly. In the event a smoking problem does occur, the cause can easily be traced to one of the conditions listed:

1. Outside environmental conditions, such as inversions.
2. Lack of ventilation due to a tightly insulated house could prevent the fireplace from drawing properly.
3. Other appliances competing for the available air in a tightly sealed home, such as: heating appliances, kitchen exhaust fans and bathroom exhaust fans.
4. Relationship of your house to hills, trees and nearby taller buildings can affect wind conditions, which will have a direct effect on your fireplace operation.