



MAISON
FIREPLACES

How to operate your fireplace correctly
How to install your Maison Fireplace
Service and warranty details



Thank you for choosing a Maison Fireplaces product
Our range of Kobok Fireplace inserts and dedicated materials for building fireplace enclosures form an all-encompassing integrated heating system suitable for wide range of applications.

In addition the fireplace is one of the main decorative features of the house and this system will allow a freedom of design whilst offering an economical, safe and thermally efficient installation.

It is important that prior to commencing the installation of the fireplace and its enclosure the installer becomes familiar with the selected building system/products.

He must also comply with any local building standards and requirements.

It is highly recommended that the installation is performed by:

- Qualified building practitioner who is experienced in installation of fireplace enclosures.

- Reputable professional fireplace installer familiar with latest installation techniques and building materials.

- Installation of the flue is performed by a professional licensed installer who will issue a certificate of compliance.

- If you cannot access the services of such professionals we recommend you contact Maison Fireplaces Specialist Centre closest to you.

Properly built Maison Fireplace will give you many years of trouble free service, pleasure from unrivaled heat and ambiance that comes from heating with fire and If used responsibly safe and economical heating solution.

It is than up to you, the user to observe the correct principles and techniques of heating with wood outlined later in this booklet.

Please read them carefully. By adopting these, you'll keep warm yet friendly to your wallet, neighbor, mother nature and not lastly to your fireplace and chimney system.



Content

Installation – How to install your Maison fireplace

How to operate your Maison fireplace

Regular maintenance

Service and warranty



How to operate your fireplace correctly
How to install your Maison Fireplace
Service and warranty details

Key points to consider when planning an installation of Maison fireplace.

The choice of building material used will result in either strong convection (Skamotec 225) or large amounts of heat storage (Akumol blocks). A combination of these materials is also an option however.

No timber or combustible material can be used in any part of the installation. Any materials used must withstand temperatures up to 350°C.

If combustible materials must be present they must be properly insulated using Skamotec 225 building panels (see insulating techniques chapter).

The method of connecting the fresh air intake to the fireplace is best considered in the planning stage.

Correct sizing and placing of the air vents is essential to ensure both efficiency and safety.

Skamotec 225 installation require double size of the air vents compared with heatbank (Akumol blocks) installation.

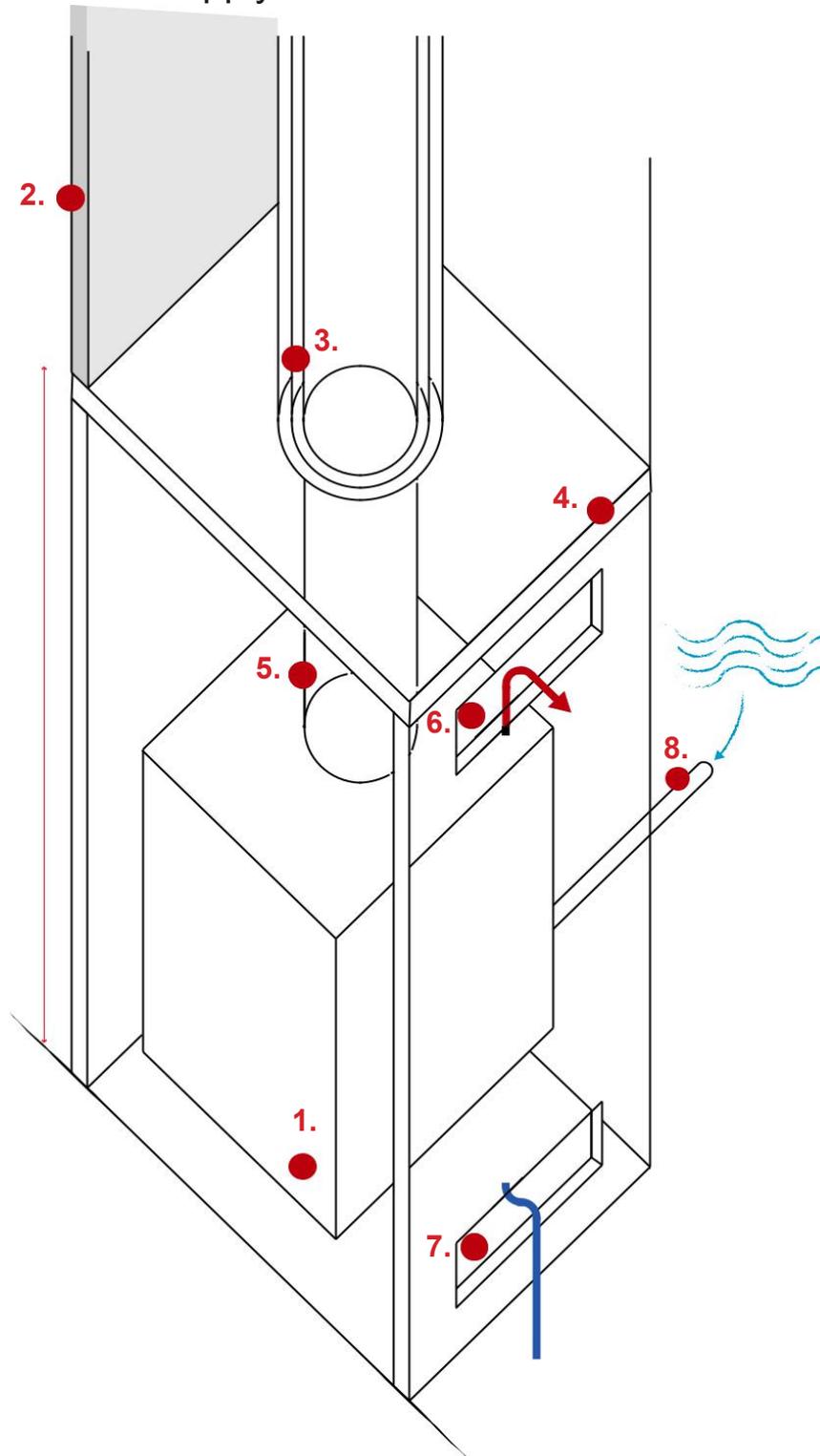
The first 500mm above the hotbox must be void of any timber components.

Prior to installation unlock the counter weight, mechanism (follow the instructions on the top of the sliding door)



Schematics

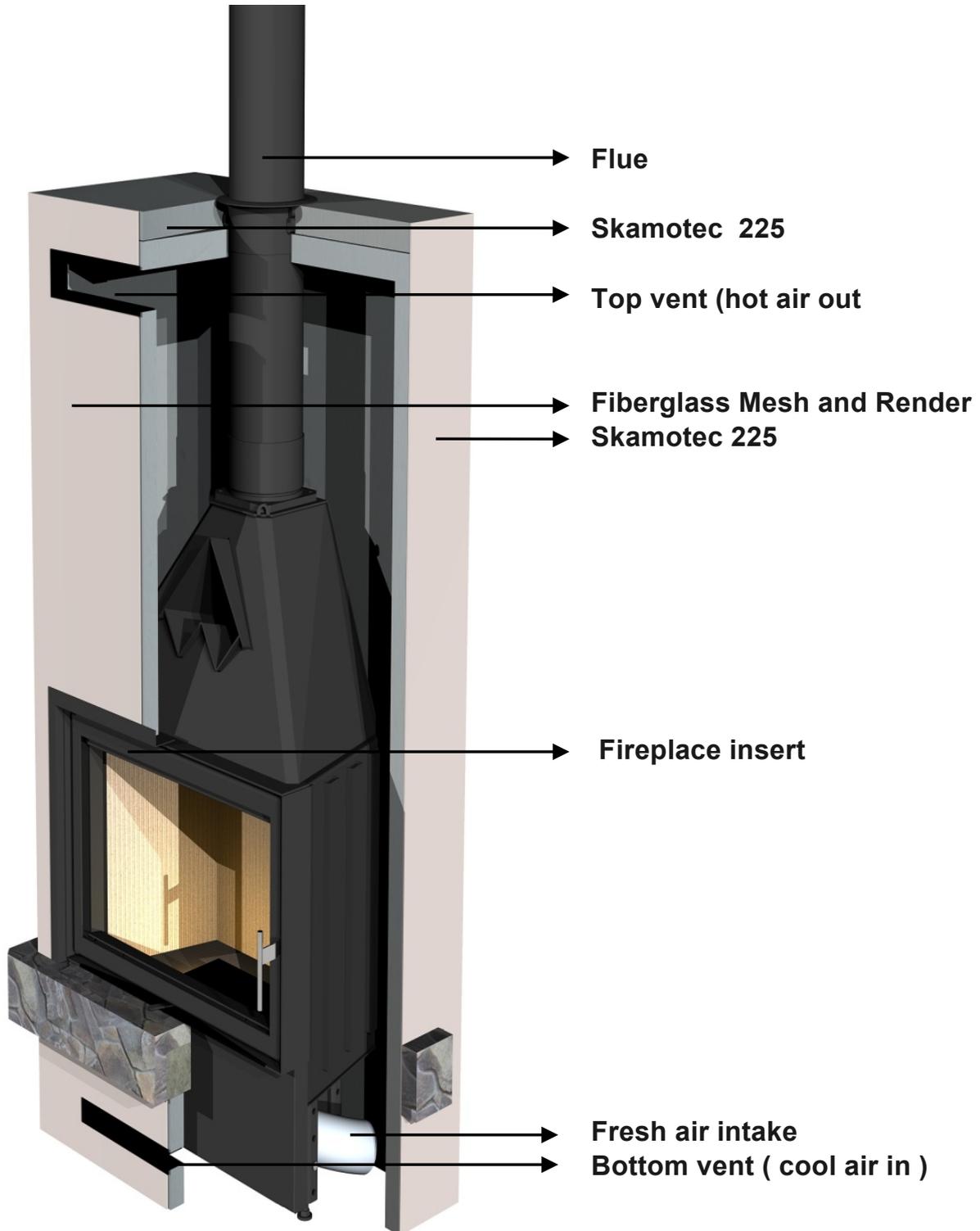
Scheme of Fireplace, chimney enclosure, fresh air supply convection vents.



1. Heater
2. The Hot Box can be extended to the ceiling from the Hot Box 'lid'
3. Triple skin flue is required from the top of the Hot Box; the second and third skin must be anchored from above, and not rest on the Skamol 'lid.'
4. Skamotec board 50mm
5. Within the Hot Box, a single skin flue is used
6. Hot air output
7. Cold air intake
8. Fresh air intake

Convection type installation

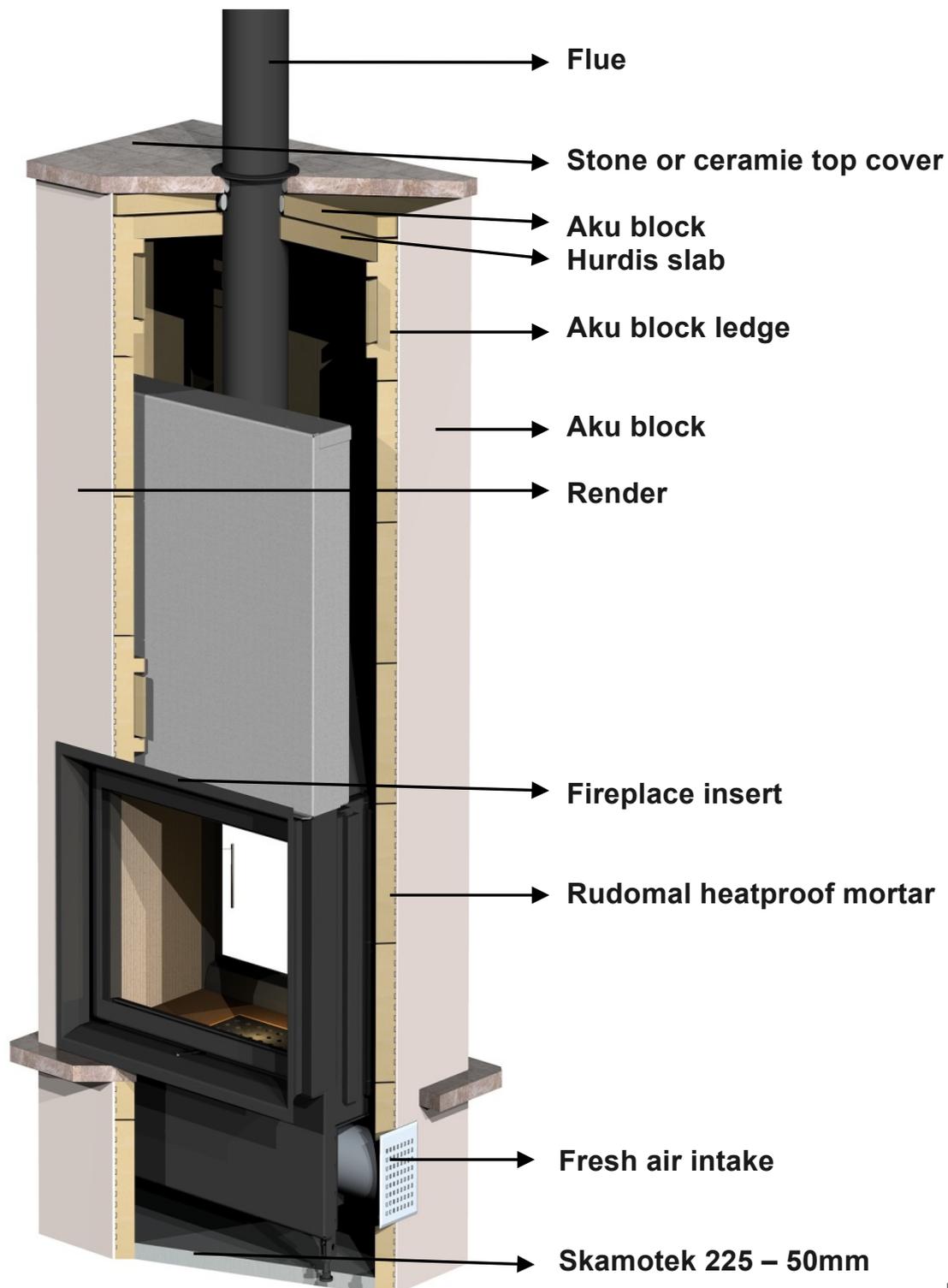
Instant release of heat
Speedy installation
Powerfull natural convection
Eliminating the need for electric fan





Heatbank Installation

Slow release radiant heat 6-8 hours
Extended loading interval
Healthy heat minimizes allergies
Suitable for well insulated buildings





Hydronic heating installation

Some Maison fireplaces are equipped with hot water heat exchanger. These are suitable for a hydronic heating installations. Heater divides its heat output into space (40 percent) and water (60 percent). Hydronic installations are usually done using a buffer tank domestic hot water and radiators or floor heating. Heat can also be ducted via the roof cavity using approved heat distribution kit.

Due to the complex nature of hydronic heating installations we recommend contacting your local Maison fireplaces specialist dealer or specialist hydronic heating installer for more detailed information as to the pricing and requirements of these systems.



Alternative installation methods

Combination of skamotek 225 and Akumol block

Skamotek 225 is frequently used for insulation of the rear wall of the fireplaces enclosure when built against a standard frame/gyprock wall.

The rest of the enclosure can then be built using Akumol blocks or good quality bricks. Skamotek 225 lid of 100mm must still be installed 2m high just above the air vents.

Hebel as building material

Hebel blocks are generally not suitable as a building material for fireplaces enclosure. In the event that hebel must be used it is recommended that the enclosure is internally insulated using skamotec 225 - 30mm.

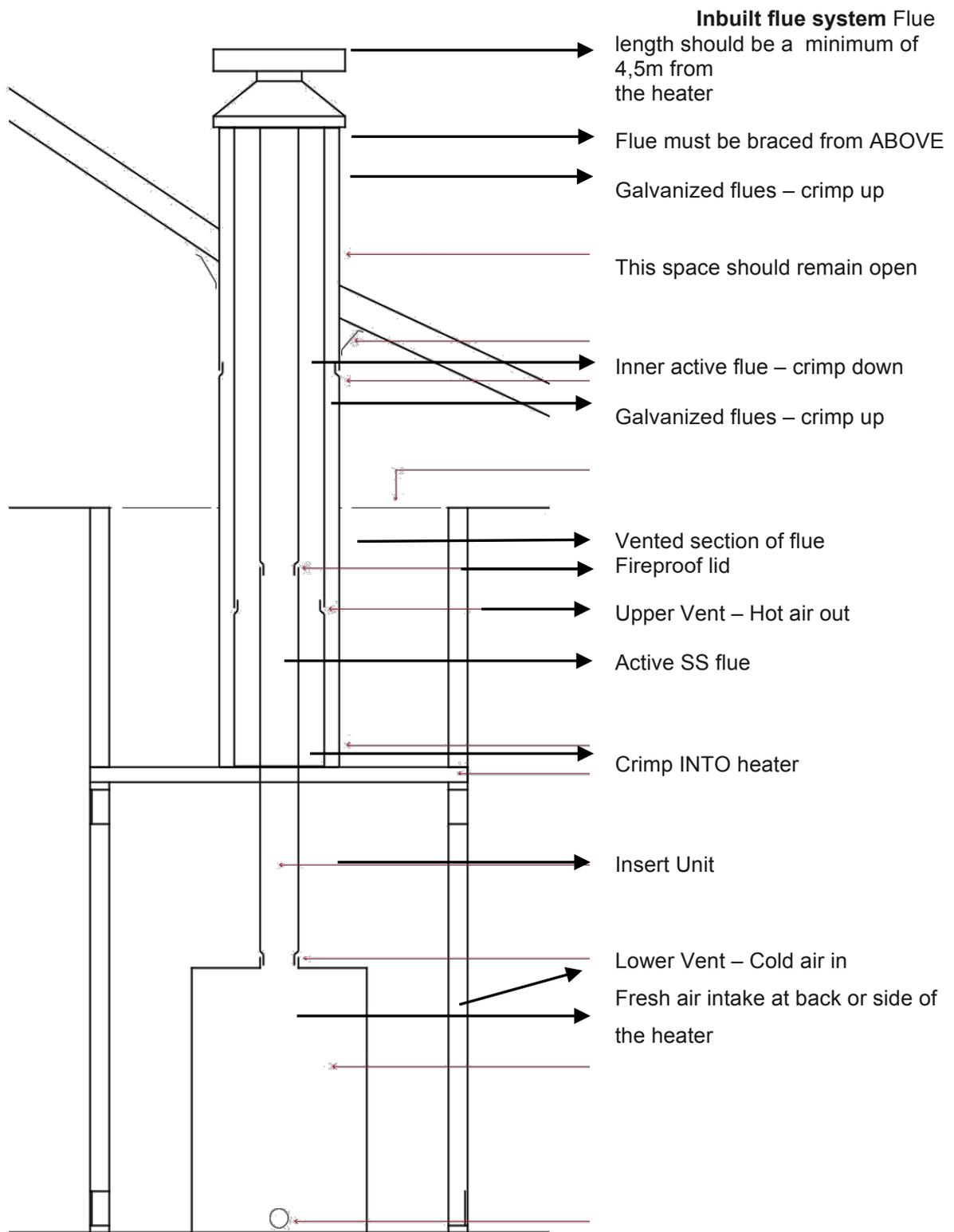
Fresh Air intake

Adequate intake of air is essential for good combustion. In an energy efficient house (eg. tight windows and doors), air intake may be compromised., However this can be aided with the installation of an external air supply. For large inbuilt units this air intake is necessary due to their high oxygen requirement.

Ducting

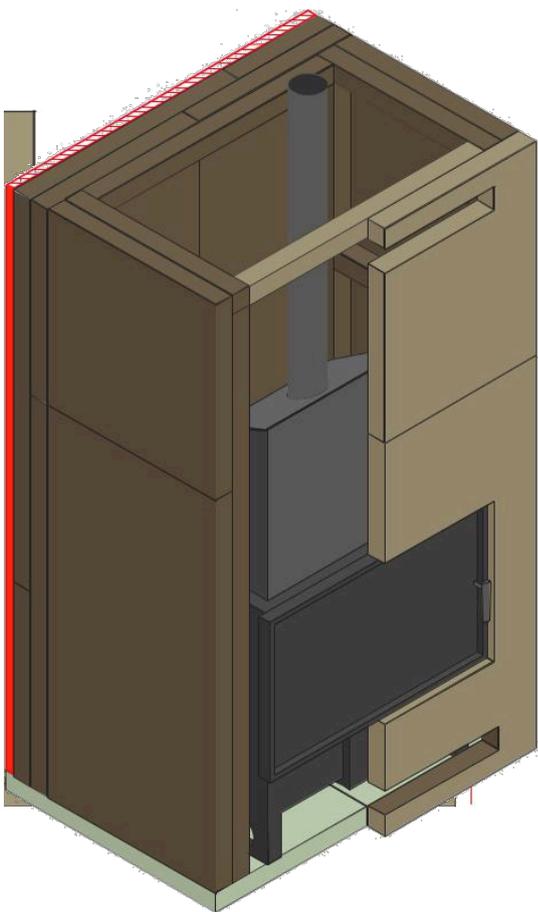
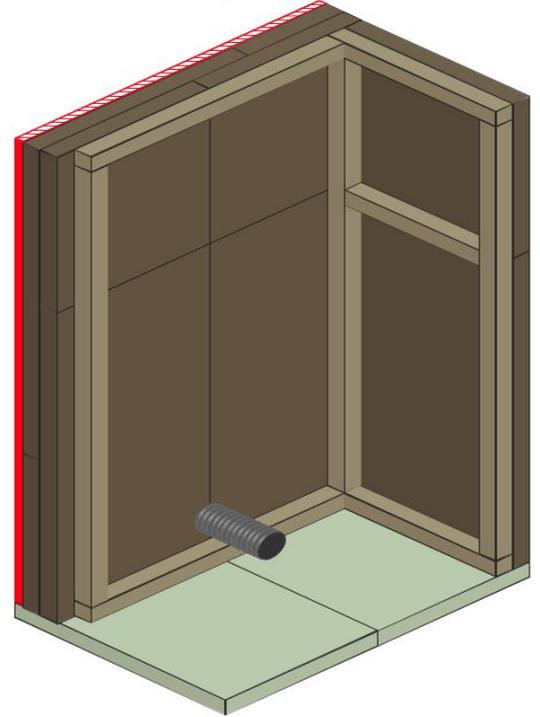
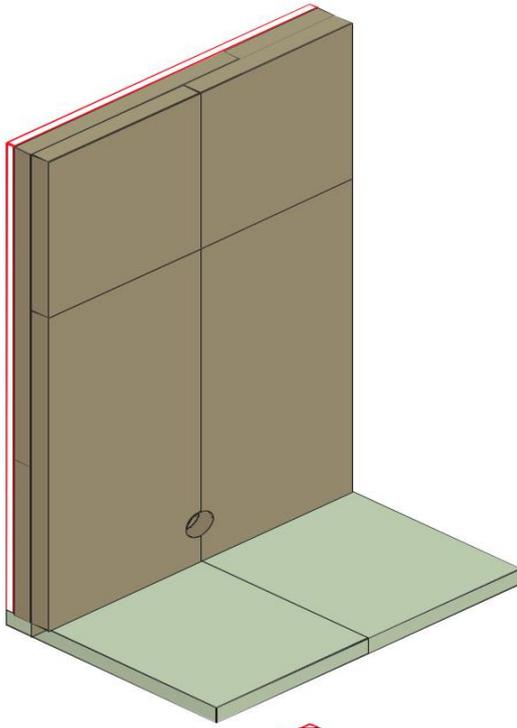
Maison Fireplaces Designer InBuilt units can be ducted via a hot air transfer kit from the hot box in to other areas of the house (central wood heating appliances) Those ducting kits are available from your local Maison Fireplaces distributor. Only approved ducting kits must be used

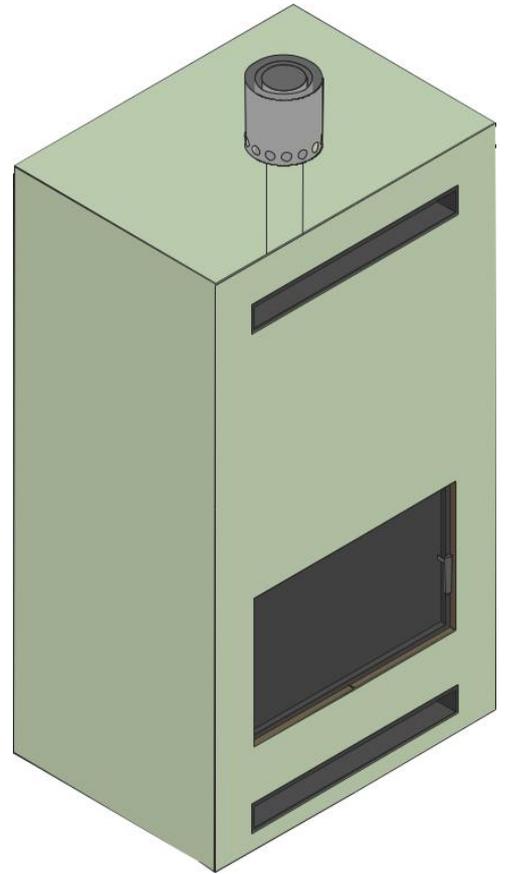
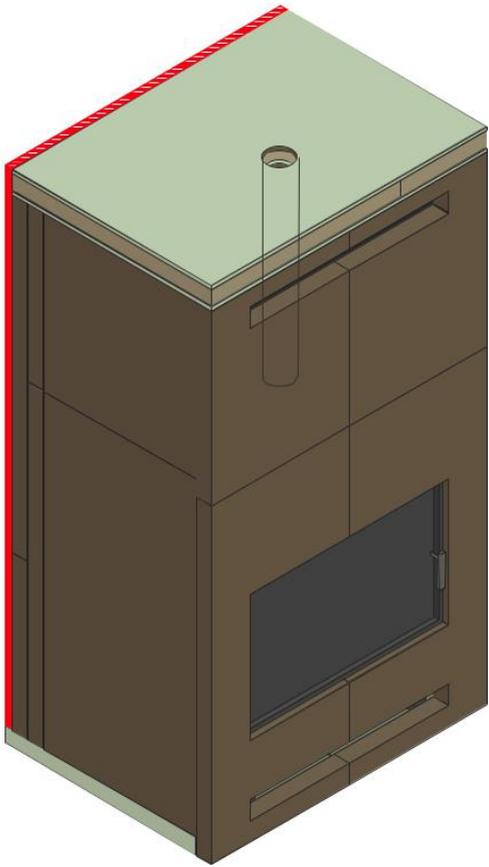




Skamotec 225 Enclosure

Please refer to www.skamotec225.com for detailed information about Working with skamotec 225 insulating boards.



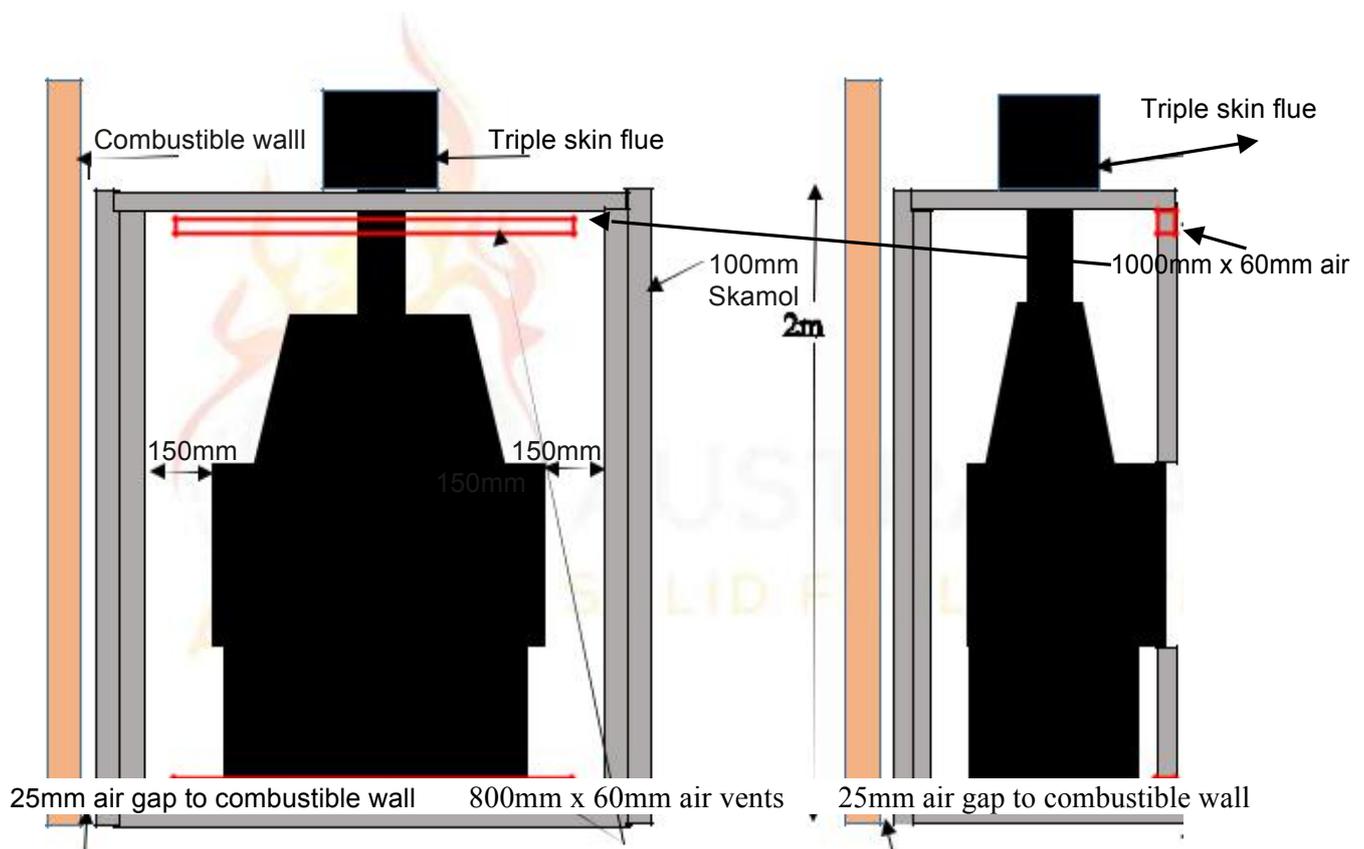


Insulation example – vital points

The KOBOK 970/500 Inbuilt appliance with a triple skin flue kit was tested in a zero clearance enclosure in a manner conforming to joint Australian/New Zealand Standard 2918:2001, Appendix B.

A minimum 50mm thick floor protector (50mm Skamol board) should be used under and in front of the appliance base when installing the appliance (see joint AS/NZS 2918:2001 3.3.2). The floor protector should extend 650mm in front of each appliance door and be placed centrally in the 1270mm width.

The sides and rear of the enclosure were constructed with 100mm of Skamol board (2 x 50mm thick sheets). The enclosure walls shall be no closer than 150mm to the appliance and a 25mm air gap must be maintained between the outside of the Skamol enclosure and any combustible material. The enclosure ceiling was capped at 2.0m from the floor with 50mm of Skamol board. Triple skin flue must be used from the top of the enclosure. (>2.0M from floor). A minimum 1000mm x 60mm air vents must be installed at the top and bottom of the enclosure to top excessive heat build-up in the enclosure.



Operation

Firewood

It is essential to use only dry, well seasoned firewood with residual moisture content of no more than 20 percent (best 15 percent). Burning wet wood means losing up to 50 percent heat value.

It also causes increased amount of soot, higher emissions and blackened glass.

Correct wood sizes and quantities for optimal operation.

Alberg 780 series

Log length = 50cm

Log diameter = 35cm

Volume per single load = 4kg

Mt.Blanc 970 series

Log length = 55cm

Log diameter = 40cm

Volume per single load = 4,5kg

Mt.Blanc panorama 1170 series

Log length = 60cm

Log diameter = 45cm

Volume per single load = 5kg

Mt.Blanc grand design 1370 – 1570 series

Log length = 60cm

Log diameter = 45cm

Volume per single load = 6kg

Tatra 600 series

Log length = 40cm

Log diameter = 35cm

Volume per single load = 4kg

Move air regulator fully to the left (start up position) and stack softwood kindling on top of four pieces of hardwood. Make sure air can move freely from the grate around the stack.



Place a firelighter (circled) near the top of the stack and light it.



After 40-50 minutes, move air regulator to operation position.

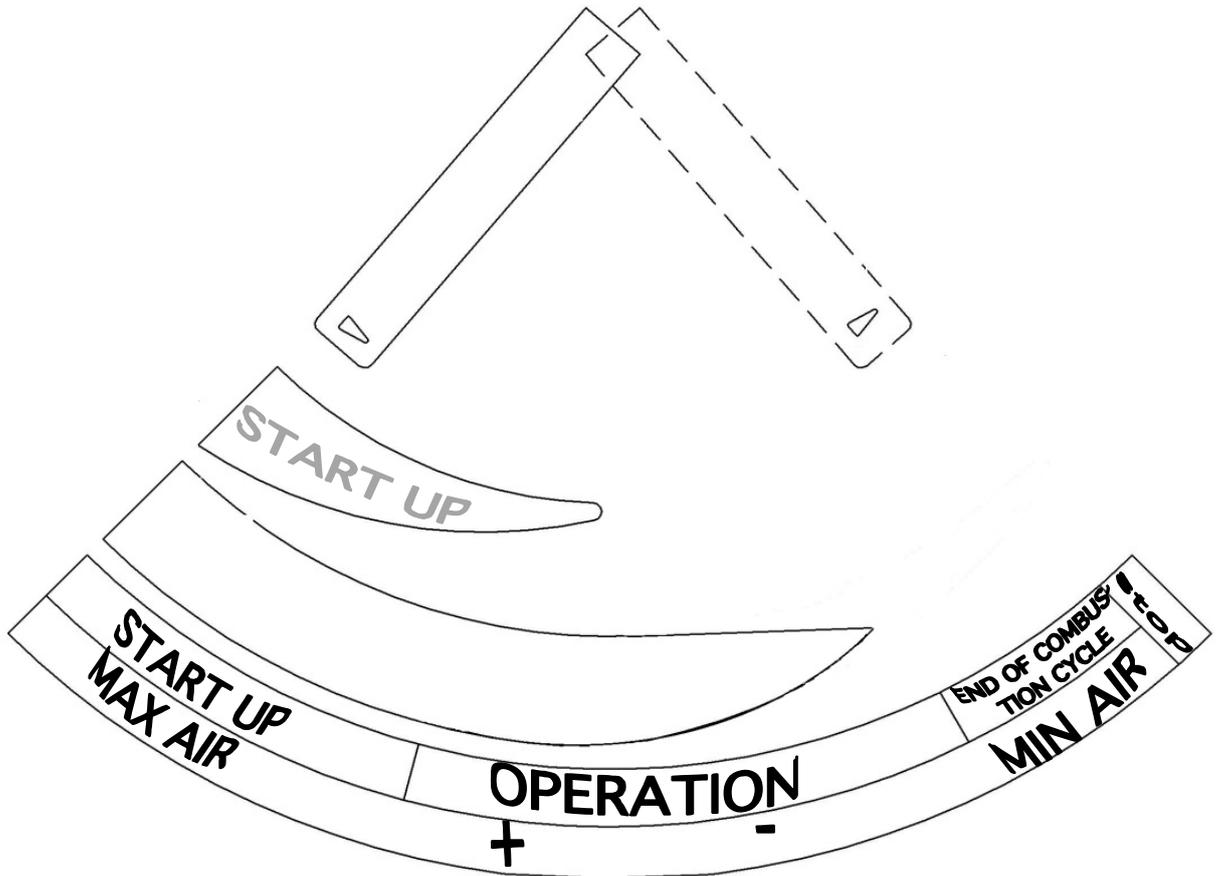
The start up cycle is complete when there is no longer any visible flames. Open the door slowly and spread the remaining coals



Place up to 3-4 similarly sized logs to the bed of hot coals. Using properly dried firewood, and following the above steps, the logs will ignite within 60 seconds. Wait until the load burns down to a bed of coals before re-fueling.



Operation of air regulator



Tips for correct and safe operation of Maison Fireplace

Fireplace can be operated strictly by adult only. When loading the firewood and handling the door (opening/closing) use the protective heat retardant glove (comes with the fireplace)

Glass on the door and exposed metal parts of the fireplace reach very high temperatures (ca 500 Celsius). Take precautions when near the fireplace and install appropriate barriers when children are present. Use only dry, seasoned firewood. Never burn domestic waste, rubbish, green wood, treated wood, painted wood, plastic, cardboard, materials containing glue or other chemicals. Burning the above mentioned (forbidden) materials can result in significant health risk, cause a major damage to your fireplace (void the warranty) and causes air pollution.

Only operate the fireplace with its door closed, open the door only for a short moment to re-fuel.

Never use water to extinguish the fire.

The fireplace must not be in operation when elevated levels of fire danger are in place.

Do not place combustible items (like furniture) less than 1 meter in front of the unit.

Operate the fireplace according to these instructions, avoid overloading with large amounts of firewood, this can damage the unit and void the warranty.

Soot and smoke are a bi-product of the combustion process. The less quality combustion, the more soot and smoke generated in the process. Clean combustion is a result of correct (hot) burning, cold burn and slow chimney drought are the causes of excessive smoke, soot and creosote. Ensure you observe this guide and thus ensure clean, economical and trouble free operation and long life of the appliance.

When outside temperatures exceed 16 degrees Celsius the chimney function (optimal drought) can weaken and thus adversely affect function of the appliance. Some smoke can escape into the room (interior) due to the slow chimney function.

Never modify or otherwise alter any or whole part of the appliance.

Always consult with Maison specialist center if any concerns,

Only use spare parts approved by Maison Fireplaces.

Adhere to the recommended maintenance schedule (see the next chapter)



Tips for how to extend the fuel loading intervals

When burning quality firewood a thick bed of red hot coals will be left on the base of the fireplace. (typically after the third load cycle burns down)

Regulate the air control lever to the 80% shut position and leave it alone.

The coals will hold the heat for a long time and will reignite the next load after the the lever is moved to open position.

You can also place a log (logs) on the coals regulating the air regulator to 80 % shut position, it will burn slow, yet clean for a long time (the length will depend on the quality of the firewood used.

!!! Never close the lever to 100% shut position during the operation of the fireplace. This will result in rapid decrease of the combustion temperature, condensation, creation of creosote, soot and smoke.

Operating the fireplace using the above (incorrect) technique can lead to a major damage to the appliance, chimney pipes, dangerous emissions and can result in chimney fire.

Warning

Optimal operation of a fireplace depends on a number of factors such as outside temperature, atmospheric pressure, wind speed and quality of the fuel.

All or any of these factors can affect the operation of the appliance.

Observe all safety and operation guidelines and become informed and educated fireplace user. This will ensure safe, comfortable and trouble free operation

Regular maintenance

Clean the ash container when appliance is cold and not operating (typically once/week or as required by frequency of operation). Check that the container space under the grate is also free of ash and that the perforations on the side of the ash container are clear and not clogged up. The fine ash can be used as a type of fertilizer on your garden, otherwise collect in the tight containers and dispose of appropriately.



Clean the glass by using the steel wool pads available in any supermarket. Moisten the pad in the lukewarm water and gently rub the affected areas. Wipe excess dirt using newspaper or paper towel. Another method frequently used is by dipping a moistened cloth in the fine ash (cold) inside the firebox and rubbing the affected glass area. Finally wipe with paper as before.

Clean the fireplace thoroughly at the end of the heating season and have the flue and the air intake checked/cleaned by a professional chimney specialist.

Trouble shooting

1. Problem

smoke enters the room after opening of the door

Solution

Green wood, insufficient chimney draught, obstructed air intake,

2. Problem

Inefficient combustion, wood smoulders, not enough heat, fire goes out

Solution

As per point 1 plus: temporarily reduce the log size, check/empty ash container

3. Problem

Dirty glass

Solution

As per point 1, 2 plus: do not close air supply (air controller far right) to fully closed position while wood is still burning producing visible flames



Warranty card

Model:	Serial number:
Sold by (company):	Saler person:
Date of purchase:	Signature of sales person:

WARRANTY CARD

Conditions of warranty

1. As long as the appliance is installed and operated in accordance with the information provided in this booklet Maison Fireplaces provides the consumer with following warranties:

5 year warranty on steel corpus, all mechanical components

1 year warranty on consumables: firebox lining, door seals, cast-iron grate, ash pan.

!! Glass is generally not covered by standard warranty.

2. During the warranty period any defect not caused by the user will be serviced by Maison Fireplaces representative.

3. Filled and dated warranty card must be presented to your local dealer, installer or Maison Fireplaces head office in order to make the warranty claim



4. Faults and defects caused during transport and installation of the appliance will not be covered by Maison Fireplaces.

5. Warranty period commences 60 days from the purchase date.

6. All warranty claims are assessed by Maison Fireplaces service department.

If the defect is caused by faulty installation and/or incorrect operation the warranty may be voided.

7. Signs that indicate incorrect operation:

Scorched glass (milky color)

Door seals burned through

Discolored firebox lining

Cast-iron grate bent disproportionately

Ash container and firebox base clogged up with ash and coals

Heavy creosote and tar deposit on the glass and interior of the firebox

Cracked and deformed metal components (door frames, air ways channels, deflectors)



