

# Installation and Operation Manual

BS EN 13229:2001 + A2:2004

Tested as intermittent appliance  
burning wood logs & solid fuel

## MODEL:

Coniston Inset

Coniston Inset Large



# Before we start

**Thank you and congratulations, you are now the proud owner of one of the most environmentally friendly and efficient multifuel burning stoves available on the market today.**

Your new stove is fully compliant with all European and UK laws and meets all the criteria of EcoDesign 2022.

Please take a moment to study some of the key points that should be taken into consideration before you start using your new stove.

At Mi-Fires, we believe the best way to enjoy the maximum benefit from your new stove is that it should be installed by a fully trained competent stove installer that can identify the optimal way to install and commission your new appliance.

You can find a list of fully approved and trained stove and chimney installers on the HETAS website or take advice from a registered competent person.

WWW.HETAS.CO.UK

**Please Note:** It is a **legal** requirement under England, Scotland, N.I. and Wales building regulations that the installation of the stove is carried out under local authority building control approval or installed by a competent person registered with a government approved scheme.

Mi-Fires are CE and UKCA approved, Defra smoke exempt and can be used in smoke controlled zones only when the stop is in place and installed in accordance with the current building control regulations.

An approved Carbon Monoxide monitor must be installed in the same room as the appliance, with a battery that lasts the lifetime of the product.

**Please note:** this is a **Multifuel stove**, your new stove has been specifically designed for the combustion of wood <20% Moisture and approved wood bricks. The use of approved manufactured smokeless mineral fuels is also allowed. Multifuel stoves are designed to be used with wood only or smokeless mineral fuel only, not burning the 2 fuel types at the same time.

**The appliance should not be used as an incinerator for house hold waste or any unapproved fuels.**

This appliance does get hot whilst running. It is recommended that a suitable guard is used to protect children and the elderly or infirm.

**Please do not make any unauthorised changes or modifications to your appliance.**

**Warning: Take care, the stove surfaces reach extremely high temperatures. To minimise the effects to the environment a few keys rules should be remembered.**

**Always Ensure:**

The Correct Stove

The Correct Installation

The Correct Fuel

The Correct Operation

The Correct Sweeping and Maintenance

These few rules when followed will give you years of heat and enjoyment from your new stove.

## PRODUCTION NUMBER

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The stove has a production number on the rating plate on the back of the stove.

We recommend that you note down this number in the box below before mounting the stove.

For the purposes of the guarantee and for other enquiries, it is important that you are able to quote this number.

**PRODUCTION NUMBER:**

## CONTENTS

### 1. COMPLIANCE

---

|     |                      |   |
|-----|----------------------|---|
| 1.1 | Dimensions .....     | 4 |
| 1.2 | Technical Data ..... | 4 |
| 1.3 | Transportation ..... | 5 |

### 2. INSTALLATION OF THE STOVE

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|     |                                                      |   |
|-----|------------------------------------------------------|---|
| 2.1 | Pre-Installation .....                               | 5 |
| 2.2 | Position of the stove / Distance Requirements .....  | 6 |
| 2.3 | Preparation of the fire for installation .....       | 7 |
| 2.4 | Flue Requirements .....                              | 7 |
| 2.5 | Ventilation / fresh air supply .....                 | 8 |
| 2.6 | The Clean Air Act 1993 and smoke control areas ..... | 8 |
| 2.7 | Commissioning .....                                  | 8 |

### 3. LIGHTING AND USING THE STOVE

---

|     |                                                        |    |
|-----|--------------------------------------------------------|----|
| 3.1 | Important safety information .....                     | 9  |
| 3.2 | The first time a fire is lit .....                     | 9  |
| 3.3 | The Stove Air Controls .....                           | 9  |
| 3.4 | How should I use my wood burning stove? .....          | 9  |
| 3.5 | Lighting a fire in the wood burning stove .....        | 10 |
| 3.6 | Important Information for wood burning .....           | 10 |
| 3.7 | Lighting a fire using smokeless fuel .....             | 11 |
| 3.8 | Important Information for burning smokeless fuel ..... | 11 |

### 4. CLEANING AND MAINTENANCE

---

|     |                          |    |
|-----|--------------------------|----|
| 4.1 | Chimney Sweeping .....   | 11 |
| 4.2 | Combustion chamber ..... | 11 |
| 4.3 | Glass .....              | 11 |
| 4.4 | Gaskets .....            | 12 |
| 4.5 | Ash .....                | 12 |
| 4.6 | Cleaning the stove ..... | 12 |
| 4.7 | Spare Parts List .....   | 12 |

### 5. WARRANTY & RECORDING

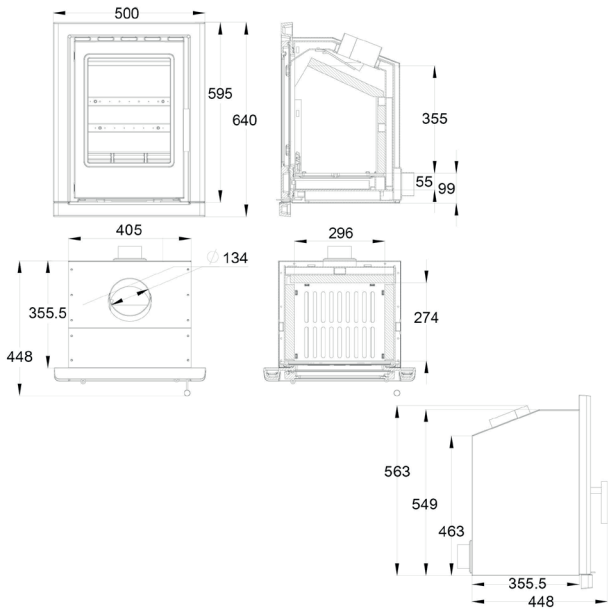
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|     |                                                |    |
|-----|------------------------------------------------|----|
| 5.1 | MI-Fires Stoves Warranty .....                 | 12 |
| 5.2 | Installer details and Handover checklist ..... | 13 |
| 5.3 | Annual Service / Sweeping record .....         | 15 |
| 5.4 | Warranty Registration .....                    | 17 |

1. COMPLIANCE

1.1 DIMENSIONS

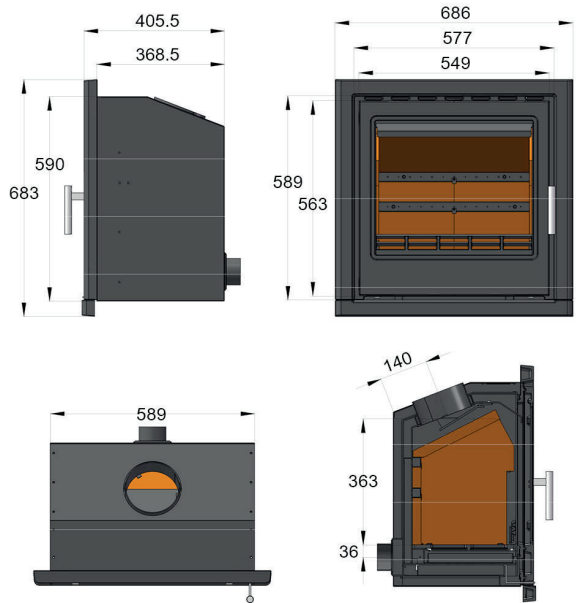
Coniston Inset



Dimensions (mm)

Four Sided  
500 (W) x 431 (D)  
(Max Footprint incl Handle) x 640 (H)  
Three Sided  
500 (W) x 431 (D)  
(Max Footprint incl Handle) x 595 (H)  
Inset  
399 (W) x 358 (D) x 549 (H)

Coniston Inset Large



Dimensions (mm)

Four Sided  
636 (W) x 405 (D)  
(Max Footprint incl Handle) x 646 (H)  
Three Sided  
636 (W) x 405 (D)  
(Max Footprint incl Handle) x 600 (H)  
Inset  
540 (W) x 360 (D) x 555 (H)

1.2 TECHNICAL DATA

This appliance is designed for intermittent operation only.

CONISTON INSET

|                    |                            |
|--------------------|----------------------------|
| Item No.           | MI-Fire Coniston Inset     |
| Weight             | 70 Kg                      |
| Maximum log length | Length 270mm x 100mm width |
| Flue size          | 125mm                      |

CONISTON INSET LARGE

|                    |                              |
|--------------------|------------------------------|
| Item No.           | MI-Fire Coniston Inset Large |
| Weight             | 99 Kg                        |
| Maximum log length | Length 320mm x 100mm width   |
| Flue size          | 150mm                        |

WOOD LOGS

| PARAMETER                          | MEAN      |
|------------------------------------|-----------|
| Test duration                      | 0.84 hr   |
| Total efficiency                   | 83.7%     |
| Nominal heat output                | 5.0kW     |
| Mean CO emission (at 13 % O2)      | 0.09%     |
| Mean flue gas temperature          | 258°C     |
| Flue gas mass flow                 | 3.4 g/s   |
| Mean CnHm emission (at 13 % O2)    | 65 Nmg/m3 |
| Mean NOx emission (at 13 % O2)     | 76 Nmg/m3 |
| DIN Plus particulates (at 13 % O2) | 22 Nmg/m3 |

WOOD LOGS

| PARAMETER                          | MEAN      |
|------------------------------------|-----------|
| Test duration                      | 0.82 hr   |
| Total efficiency                   | 80.7%     |
| Nominal heat output                | 7.8kW     |
| Mean CO emission (at 13 % O2)      | 0.09%     |
| Mean flue gas temperature          | 326°C     |
| Flue gas mass flow                 | 4.8 g/s   |
| Mean CnHm emission (at 13 % O2)    | 89 Nmg/m3 |
| Mean NOx emission (at 13 % O2)     | 85 Nmg/m3 |
| DIN Plus particulates (at 13 % O2) | 27 Nmg/m3 |

MINERAL SMOKELESS FUELS

| PARAMETER                          | MEAN      |
|------------------------------------|-----------|
| Test duration                      | 1.01 hr   |
| Total efficiency                   | 82.5%     |
| Nominal heat output                | 5.3 kW    |
| Mean CO emission (at 13 % O2)      | 0.08%     |
| Mean flue gas temperature          | 258°C     |
| Flue gas mass flow                 | 3.4 g/s   |
| Mean CnHm emission (at 13 % O2)    | 65 Nmg/m3 |
| Mean NOx emission (at 13 % O2)     | 76 Nmg/m3 |
| DIN Plus particulates (at 13 % O2) | 39 Nmg/m3 |

MINERAL SMOKELESS FUELS

| PARAMETER                          | MEAN       |
|------------------------------------|------------|
| Test duration                      | 1.04 hr    |
| Total efficiency                   | 81.8%      |
| Nominal heat output                | 8.1 kW     |
| Mean CO emission (at 13 % O2)      | 0.09%      |
| Mean flue gas temperature          | 329°C      |
| Flue gas mass flow                 | 4.5 g/s    |
| Mean CnHm emission (at 13 % O2)    | 72 Nmg/m3  |
| Mean NOx emission (at 13 % O2)     | 106 Nmg/m3 |
| DIN Plus particulates (at 13 % O2) | 38 Nmg/m3  |

Please note that details and specifications contained herein are correct at the time of going to print. We reserve the right to change specifications at any time without prior notice.

### 1.3 TRANSPORTATION

When taking your multifuel stove home, please ensure that it travels in an upright position.

If you wish to lay it flat, it is important that you remove all loose parts from the combustion chamber.

Your new multifuel stove is optimally protected against damage by the packaging. However, damages to the stove or accessories may have occurred during the transport despite this.

For this reason, it is necessary to check your multifuel stove for damages and completeness after unpacking!

Immediately report any defects to your specialist stove dealer!

**Note: This appliance is heavy and must be handled with care. Adequate facilities must be available for loading, unloading and site handling.**

## 2. INSTALLATION OF THE STOVE

### 2.1 PRE-INSTALLATION

It is a **legal** requirement under England and Wales building regulations that the installation of the stove is carried out under local authority building control approval or installed by a competent person registered with a government approved scheme.

It is important to ensure that all local rules and regulations, including ones relating to national and European standards, are complied with when installing this device.

Your dealer can also provide you with installation advice. Remember, it is your responsibility that rules in force are complied with.

More information can be found by consulting:

**British Standards BS 8303. BS EN 15287-1:2010**

**Building Regulation Approved Document J for England and Wales**

**Building Regulations Part F for Scotland**

**Building Regulations/1997 Technical Guidance Approved**

**Document J-Heat Producing Appliances for the Republic of Ireland**

**Registered Body: HETAS (GB only) INFO (Ireland)**

**Health and Safety Precautions:** Special care must be taken when installing the stove such that the requirements of the Health and Safety at Work Act are met.

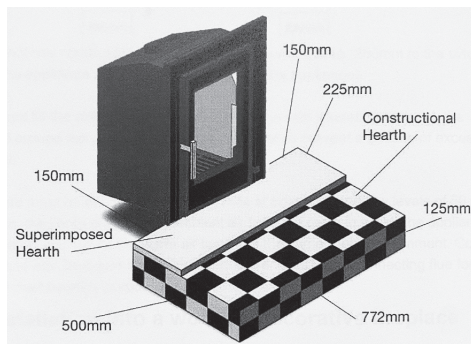
### 2.2 POSITION OF THE STOVE / DISTANCE REQUIREMENTS

The appliance must stand on a non-combustible constructional hearth which is at least 125mm thick with the minimum dimensions as shown in the diagram below (please refer to Building regulations Documents J for further information).

If the appliance is being installed in a raised position, due consideration should be given to extending the depth of the superimposed hearth to safely contain any falling embers or logs.

The hearth and building construction must be of suitable material to comply with current building and local authority regulations. The fabrication of the construction must have a suitable load bearing capacity for the appliance and hearth.

If in doubt, please contact a competent person for advice before proceeding.



**DOUBLE CHECK HEARTH REQUIREMENTS**

### THE BUILDERS OPENING

For ease of installation the builders opening may be made slightly larger than the appliance dimensions.

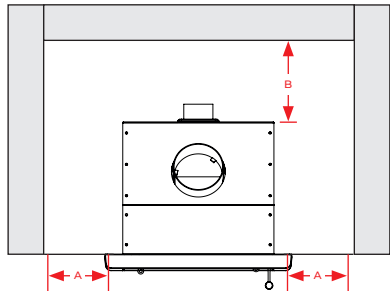
A typical size builders opening would be 420mm wide X 580mm high X 370mm Deep for Coniston Inset and 550mm wide X 580mm high X 370mm Deep for Coniston Inset Large.

The construction of the fireplace recess should be of a suitable non-combustible material such as brick or concrete blockwork, and have a minimum thickness of 200mm to the sides and rear of the appliance, unless it is a back to back recess with another property.

Please refer to Building regulations document J for further information.

CLEARANCES TO COMBUSTIBLE MATERIALS

Installation into a false chimney breast



| MODEL                      | A     | B     |
|----------------------------|-------|-------|
| Coniston Inset (5kW)       | 250mm | 250mm |
| Coniston Inset Large (8kW) | 110mm | 110mm |

All parts of the false studwork chimney must be constructed of a non-combustible material such as metal studwork.

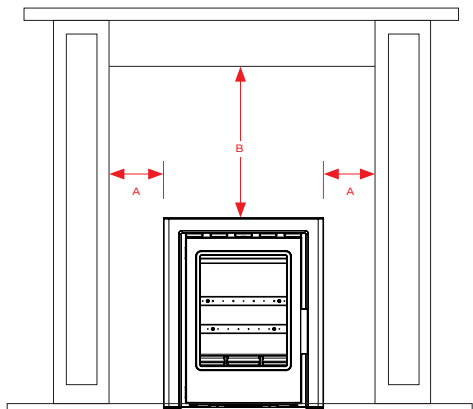
Do not use combustible materials within the white area (see table above).

Do not fill the area surrounding the appliance with insulating material, the void around the appliance must be ventilated to prevent the build-up of excess heat.

There must be a minimum ventilating area at both high and low levels of 50cm<sup>2</sup> each, the vents should take ambient air from the room in which the appliance is installed and return the warm air back into the same room environment.

Consideration should also be taken to provide adequate access to the connecting flue for servicing and maintenance purposes.

Installation into a wooden decorative fireplace



| MODEL                      | A     | B     |
|----------------------------|-------|-------|
| Coniston Inset (5kW)       | 250mm | 500mm |
| Coniston Inset Large (8kW) | 110mm | 800mm |

If the appliance is to be installed in conjunction with a combustible fire surround the minimum clearances shown in the diagram must be maintained.

The dimensions must be adhered to from any point of the appliance to any combustible material.

Minimum front distance to combustibles is 1200mm.

If stone, marble, granite or any other non-combustible decorative material is to be used as a superimposed hearth or back panel, provision should be made to allow for heat expansion. The use of a split and slabbed back panel and hearth is recommended.

If in doubt please seek the advice of a competent person.

Curtains and soft furnishings should be kept a minimum of 1 metre away from the appliance. We do not recommend that televisions or expensive artwork are hung above the fireplace.

2.3 PREPARATION OF THE FIRE FOR INSTALLATION

Remove internal components as follows and put to one side

- a) Remove ash pan
- b) Lift and remove log retaining bar
- c) Lift and support vermiculite baffle whilst removing left side vermiculite panel
- d) Keep vermiculite baffle supported whilst removing right side vermiculite panel
- e) Lower vermiculite baffle and remove from firebox
- f) Remove both rear vermiculite panels
- g) Lift and remove fuel grate
- h) Release the two screws securing the upper metal baffle, slide out and remove baffle
- i) Release the four screws holding the flue spigot, rotate the spigot a few degrees and remove
- j) Remove the two bolts located in each side of the firebox.

The firebox will now slide away from the outer casing.

At this point determine whether the stove is to be installed as a four sided model, if so fit the lower fascia bar in position and secure with the two screws supplied.

Prepare your flue liner with either a long tail MA adapter, or a standard MA adapter and a short length of vitreous connecting pipe (250mm) which can be angled to ease connection if required.

Install the outer casing into your prepared opening and secure to the wall / fireplace using suitable mechanical fixings. This can be executed by drilling through either the flange into the wall, or the base into the hearth.

Lift the stove into the external casing and secure with the two side firebox screws. **Due to the weight of the stove, it is recommended that this is a two person operation.**

Lower the connecting pipe into the stove, offer up the flue spigot and secure to the connecting pipe, push the flue liner upwards and secure the spigot using the four location bolts.

Replace the internal components in reverse order ensuring the metal baffle is correctly located.

## 2.4 FLUE REQUIREMENTS

Please ensure that all local rules and regulations are complied with, including CE marking of the flue pipe. Additionally, distance requirements to flammable material for the pipe must be respected.

It is important that there is sufficient draw in the chimney and that the chimney does not suffer from down-draught. When the chimney is warm the draw should be not less than 1.25mm (0.05 inches) water gauge (12.pa). There are many factors that affect the chimney draft, including the outside temperature, wind strength, and surrounding buildings. **The minimum flue height requirement is 4.0 metres**, if this cannot be achieved you will have to seek the advice of a flue and chimney specialist to carry out a BS EN13384 Chimney Calculation to see if the chimney will work.

If the stove is being fitted into a brick chimney or clay / concrete chimney it must be swept before installation and checked for soundness and suitability.

The chimney must also be free from cracks and blockages. We advise you take the advice of a registered chimney sweep on this matter.

In all cases we recommend the use of a stainless steel MI-Flex liner when retro fitting into an existing fire place, as this will help give you the optimal flue draft required to operate your stove correctly.

If the stove is fitted in place of an open fire and no flue liner is fitted then provision should be made to clean the entire length of the chimney without removing the appliance and the chimney should be swept one month after installation to clear any soot falls which may have occurred.

The connection to the existing chimney can be made with CE marked BS EN 1856-2 connecting pipe made from vitreous enamel or 316 stainless steel with a minimum thickness of 0.6mm.

If no chimney is present the use of an EN1856-part 1 chimney system is required. Example: MI-Flues TWPro.

The chimney and connecting flue pipe must not narrow to less than the size of the outlet socket of the stove at any point.

This appliance must not be used in a shared flue system.

The minimum flue draft is 12 Pascal's at nominal output.

## 2.5 VENTILATION / FRESH AIR SUPPLY

In order for the multifuel stove to function at optimum efficiency, air is needed for the combustion process. There must be sufficient fresh air coming into the room containing the wood burning stove.

In very well-insulated houses, or houses with powerful cooker hoods and/or air conditioning systems, a vacuum can be created around the multifuel stove, leading to smoke leakage and poor combustion.

In normal scenarios the 5kW Coniston complies with the guidance given in approved Document J of the Building Regulations that states that purpose provided ventilation is not required in England and Wales, however the 8kW model will require additional room ventilation.

**Extractor Fan Warning:** There must not be an extractor fan fitted in the same room as the stove as this can cause the stove to emit fumes into the room. If unavoidable the appliance must be checked with Approved Document (A.D.) 1.21 and necessary action taken

Action may have to be taken if other heating appliances are in the same dwelling to make sure the correct ventilation applies.

## 2.6 DIRECT AIR KIT INSTALLATION

Remove the stoves internal components and separate the firebox from the outer box as described in section 2.3



Unpack the intake spigot and the two air slider covers supplied, taking note that the covers are handed.



Lay the firebox on its back and identify the air sliders.



Remove the hex head screws from the fire base and fit the slider covers ensuring that the movement of the air levers is not affected.



Stand the firebox upright and remove the four screws securing the rear air inlet cover.



Remove the cover and replace with the spigot.

To make the installation easier, secure your direct air feed hose to the spigot before sliding the firebox into the prepared opening.

Ensure your air hose is not obstructed and re-assemble the fire as described previously.

## 2.7 THE CLEAN AIR ACT 1993 AND SMOKE CONTROL AREAS

Under the Clean Air Act local authorities may declare the whole or part of the district of the authority to be a smoke control area.

It is an offence to emit smoke from a chimney of a building, from a furnace or from any fixed boiler if located in a designated smoke control area. It is also an offence to acquire an “unauthorised fuel” for use within a smoke control area unless it is

used in an “exempt” appliance (“exempted” from the controls which generally apply in the smoke control area).

In England appliances are exempted by publication on a list by the Secretary of State in accordance with changes made to sections 20 and 21 of the Clean Air Act 1993 by section 15 of the Deregulation Act 2015.

In Scotland appliances are exempted by publication on a list by Scottish Ministers under section 50 of the Regulatory Reform (Scotland) Act 2014.

In Northern Ireland appliances are exempted by publication on a list by the Department of Agriculture, Environment and Rural Affairs under Section 16 of the Environmental Better regulation Act (Northern Ireland) 2016.

In Wales appliances are exempted by regulations made by Welsh Ministers.

Further information on the requirements of the Clean Air Act can be found here:

[www.gov.uk/smoke-control-area-rules](http://www.gov.uk/smoke-control-area-rules)

Your local authority is responsible for implementing the Clean Air Act 1993 including designation and supervision of smoke control areas and you can contact them for details of Clean Air Act requirements.

The Mi-Fires Coniston Inset has been recommended as suitable for use in smoke control areas when burning wood logs. The appliance has been fitted with a modification to fix the air controls at the correct minimum position to comply with the smoke control requirements.

All MI-Fires stoves are factory fitted with the Smoke control modification in place.

## 2.8 COMMISSIONING

Check all internal parts are fitted correctly and there are no gaps between the firebricks and baffles and the log retainer is secure. Make sure the flue connection is secure and sealed.

Check all the levers are operating fully and freely.

**Carbon Monoxide Alarm:** Building Regulations require that whenever a new or replacement fixed solid fuel or wood/biomass appliance is installed in a dwelling a carbon monoxide alarm must be fitted in the same room as the appliance.

Further guidance is available in BS EN50292:2002 and from the alarm manufacturer's instructions. Provision of an alarm must not be considered a substitute for either.

### 3. LIGHTING AND USING THE STOVE

#### 3.1 IMPORTANT SAFETY INFORMATION

- ❗ The stove will become warm during use and therefore it should be treated with all necessary caution.
- ❗ Never keep easily combustible fluids such as petrol in the vicinity of the multi fuel stove.
- ❗ Never use easily combustible fluids to light the fire in the wood burning stove.
- ❗ Never empty the ashes when the multi fuel stove is warm. Embers may still be found in the ash for up to 24 hours after the fire has gone out. Please wait to empty the ash until you are sure that there are no embers in the ash.
- ❗ The door should be kept closed while the multi fuel stove is in use. While lighting the fire, the door can stand ajar for the first few minutes.
- ❗ In the event of a chimney fire: Close both air controls on the stove and call the fire-fighting service.
- ❗ Your installer should have fitted a Carbon Monoxide alarm in the same room as the appliance. If the alarm sounds unexpectedly, leave the premises immediately and contact installer. Let the fire go out.
- ❗ The control and handles will get warm when the multi fuel stove is in use. Please use the glove or tool provided when you operate the multi fuel stove.

#### 3.2 THE FIRST TIME A FIRE IS LIT

The first few times the stove is used, there may be some smoke and unpleasant odours from the multi fuel stove, which is fairly normal. This is caused by the heat-resistant paint hardening. Make sure there is sufficient ventilation during this stage.

It is also important not to let the fire burn too fiercely the first 2-3 times, so that the multifuel stove has time to expand slowly.

You should also be aware that the stove may make some clicking sounds as it heats up and cools down - like pouring boiling water into a sink. These are caused by the great differences in temperature to which the materials are being exposed.

**During the first firing, which should be carried out using approximately 1 kg of wood, the stoking door must be left slightly open and must not be closed until the stove is cold. This is to prevent the sealing rope sticking to the stove.**



#### 3.3 THE STOVE AIR CONTROLS

The amount of heat emitted by the stove is regulated using the air controls built into the front of the stove.

When using wood after the stove has reached operating temperature the stove is controlled by closing the primary air and adjusting the output and flame effect with the secondary air control.

When using manufactured mineral fuels after the stove has reached operating temperature the stove is controlled by reducing the secondary air control and adjusting the primary air control to gain the required heat output and flame effect.

**AIR CONTROLS LEFT OPEN. Operation with the air control open can cause excess smoke. The appliance must not be operated with air controls, or door left open except as directed in the instructions.**

#### 3.4 HOW SHOULD I USE MY STOVE WHEN WOOD BURNING?

The multifuel stove is intended for intermittent combustion. This means that each stoking should burn down to embers before new logs are added.

To obtain the best possible combustion, you should regulate the effect/heat output with the fuel and air. Burning small logs provides more powerful combustion than burning large logs as the surface area is greater and more gas is released.

The amount of wood in the combustion chamber is another factor that affects combustion. The optimum combustion is achieved by placing two

logs in the stove. If you want an enhanced effect, you can add more logs.

The ideal heat output is reached by burning approx. 1.5 kg per hour.

### 3.5 LIGHTING A FIRE WHEN USING WOOD

The fire lighting method is very important for starting combustion quickly and efficiently.

1. Open both air controls fully.
2. Place two small logs sideways on the grate and place several sticks of kindling at an angle upon them in a cross hatch shape. Place some firelighters on top of the kindling and light with a match.
3. Keep the door approx. 1 cm ajar. When there are distinct visible flames from the kindling, and the fire has taken hold, then close the door.

**Warning:** The control and handles will get warm when the wood burning stove is in use. Please use the glove or tool provided when you operate the wood burning stove.

4. Once the first charge of wood has burnt away leaving a glowing bed of embers you should be able to shut off the primary air controls. Slowly open the stove door using the glove provided and re-stoke the fire with the desired amount of wood. Close the door and open the secondary air control to maximum for a few minutes to allow the new wood to catch fire then slowly push the air control back into the stove until the desired effect is reached.

In order to avoid the quenching of the stove fire by use of oversized logs we recommend a maximum wood fuel size of 4" (10cm) diameter by 10" (27cm) length split seasoned logs, with a maximum moisture content of 20%.

This appliance is designed to operate with the door closed, except for lighting and reloading, failure to close the door during operation can result in fume spillage.

**Warning:** Properly installed, operated and maintained this appliance will not emit fumes into the dwelling.

Occasional fumes from re-fuelling may occur. However, persistent fume emission is potentially dangerous and must not be tolerated. If fume emission does persist, the following immediate actions should be taken:

Open doors and windows to ventilate room then leave the premises. Let the fire go out or eject and safely dispose of fuel from the appliance.

Check for flue or chimney blockage, and clean if required. Do not attempt to relight the fire until the cause of the fume emission has been identified and corrected. If necessary seek expert advice

### 3.6 IMPORTANT INFORMATION FOR WOOD BURNING

With a full load of wood and burning near nominal output the stove will need to be refuelled approximately every 1-1.5 hours. One or two large logs will burn longer than a number of smaller ones. Care must be taken that logs do not touch the baffle or the glass panel. Do not stack logs above the level of the tertiary air inlet holes at the back of the stove.

Always make sure that flames are visible above the wood after re-fuelling for cleanest burning. Burning without flames above the fuel will create unnecessary smoke. After re-fuelling open the primary air control fully for 3 minutes or until the logs are fully blackened to achieve full flames above the fuel.

Wood burns best on a bed of ash and it is therefore only necessary to remove surplus ash from the stove occasionally. Burn only dry, well-seasoned wood, which should have been cut, split and stacked - under cover from rain - for at least 12-24 months with free air movement around the sides of the stack to enable it to dry out.

Burning wet or unseasoned wood will create tar deposits in the stove and chimney and will not produce a satisfactory heat output. Wood that is not properly dry ('dry' is considered to be less than 20% internal moisture content) uses up energy from the burn process to evaporate the water inside the wood thus creating very poor conditions for combustion.

The main cause of burning problems with wood stoves is due to excessively damp wood. Wood can appear perfectly dry on the outside but still contain 40-50% water on the inside. A moisture meter can be purchased from stove and equipment suppliers if you wish to check your wood source is correct. Split a log and check the inside as well as the outside.

**Refuelling on to a low fire bed** if there is insufficient burning material in the fire bed to light a new fuel charge, excessive smoke emission can occur. Refuelling must be carried out onto a sufficient quantity of glowing embers and ash so that the new fuel charge will ignite in a reasonable

period. If there are too few embers in the fire bed, add suitable kindling to prevent excessive smoke.

**Fuel overloading** the maximum amount of fuel specified in this manual should not be exceeded, overloading can cause excess smoke.

**Operation with door left open** Operation with the door open can cause excess smoke and spillage into the room. The appliance **'Must Not'** be operated with the appliance door left open.

### 3.7 LIGHTING A FIRE USING SMOKELESS FUEL

- Pull open both air control fully.
- Lay firelighters on the grate and add a small amount of kindling wood to the top.
- Place a small quantity of smokeless fuel on top.
- Light firelighters safely using matches leave the door slightly open.
- When the fire is fully established add more smokeless fuel and close the door.
- After another five to ten minutes close the secondary air by sliding inward the left side control.
- The output and flame effect can be altered by opening and closing the primary (right side) air control lever.

Care should be taken to ensure that the firebox is not overfilled with smokeless fuel – it should be no higher than the log retaining bar.

### 3.8 IMPORTANT INFORMATION FOR BURNING SMOKELESS FUEL

When re-fuelling the stove always refuel onto a bed of hot embers, fully open the secondary and primary air controls until the new fuel is well alight, before adjusting the air controls for the desired setting. If there is insufficient burning material in the fire-bed to light a new fuel charge, excessive smoke emission can occur.

Re-fuelling must be carried out onto a sufficient quantity of glowing embers and ash that the new fuel charge will ignite in a reasonable period. If there are too few embers in the fire bed, add suitable kindling to prevent excessive smoke.

**Fuel overloading**, never overload the stove. The amount of fuel specified in this manual should not be exceeded, overloading can cause excess smoke.

**Operation with door left open** can cause excess smoke. The appliance must not be operated with the appliance door left open except as directed in the instructions.

Never leave the stove unattended until the new fuel is well alight. Persistent fume emission is dangerous and must be investigated. If fume emission persists, open doors and windows to ventilate the room and let the fire dies out. Have the chimney inspected for blockages and clean if required. Do not relight the fire until the cause has been found. We recommend that you seek professional advice.

This appliance has been designed to be burned with the door closed at all times other than when re-fuelling. It should not be operated as an open fire. Typical re-fuelling for smokeless fuel is 2 hours.

**Daily Maintenance** The ash pan should be checked and emptied regularly. You should never allow the ashes in the pan to build up to the level of the grate. If they are allowed to build up, the grate will become sandwiched between the ash below it and above it. This will overheat the grate and cause distortion and premature wear.

## 4. CLEANING AND MAINTENANCE

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### 4.1 CHIMNEY SWEEPING

Ensure your stove and chimney is swept at least once a year by a professional accredited chimney sweep. Use the HETAS find a chimney sweep tool.

[www.hetas.co.uk/find-chimney-sweep/](http://www.hetas.co.uk/find-chimney-sweep/)

The top baffle must also be cleaned once a year at least to remove any build-up of ash or residue from the chimney.

### 4.2 COMBUSTION CHAMBER

The fireproof tiles in the combustion chamber eventually wear out and should be replaced when the cracks are more than 0.5 cm. The durability of the tiles depends on how often and how intensively the stove is used.

Spare parts are available from MI-Fires directly or from your local Mi-Fires dealer.

### 4.3 GLASS

Wet wood, unsatisfactory chimney draft, and wrong use of the stove can leave soot stains on the glass pane. They can easily be removed using a damp cloth that you dip in cold ash and rub on the sooty glass.

Special cleaning agents are also available to remove soot from glass, e.g. the Trollull Stove Glass Cleaner. The pad neither scratches or damages the glass and is for multiple usages. Water or other cleaning agents are not necessary.

It is common maintenance to tighten the glass fittings shortly after the stove has been installed as well as to check if the gaskets are properly placed.

#### 4.4 GASKETS

With time, gaskets around glass and door will wear. We recommend that you inspect them regularly. If leakages appear, they must be replaced.

#### 4.5 ASH

The ash pan should be checked and emptied regularly. You should never allow the ashes in the pan to build up to the level of the grate.

If they are allowed to build up, the grate will become sandwiched between the ash below it and above it. This will overheat the grate and cause distortion and premature wear.

#### 4.6 CLEANING THE STOVE

The stove's surface is treated with a heat-resistant Senotherm® paint, which will stay at its best just by being vacuumed with a small, soft mouthpiece or dusted with a soft, dry cloth. Do not use spirit or other solvents, as they will remove the paint.

MI-Fire stoves are painted with a heat-resistant paint that can withstand temperatures up to 500 degrees.

If the surface of the stove gets scratched or worn, it can easily be renewed using this type of paint. The paint is available in black metallic from your local dealer.

#### 4.7 SPARE PARTS LIST

All spare parts and consumable items are available directly from MI-Fires or can be purchased from your local stove specialist.

### 5. WARRANTY & RECORDING

#### 5.1 MI-FIRES STOVES WARRANTY

##### Terms & Conditions

The Firebox of your MI-Fires Stove is Guaranteed against manufacturing and material defects for a minimum period of 12 months from the date of purchase, you can however extend the warranty period in a number of ways.

- Completing and returning the warranty registration form will increase the warranty to two years\*
- Installing the stove with an "MI-Flues" flue liner or chimney system can extend the warranty to ten years\*\*

The Warranty commences on the date of purchase.

This warranty will only cover consumable parts if the purchaser can prove that they were damaged upon receipt of the stove.

The warranty is non-transferable and is only available to the original purchaser.

This warranty does not affect your statutory rights.

In the unlikely event of any failure we will replace any defective part free of charge, labour cost excluded.

The Stove and Flue system must be inspected, serviced and cleaned on an annual basis by a suitably qualified engineer, certificates and receipts must be retained as proof of maintenance.

#### EXCLUSIONS & LIMITATIONS

The warranty will be void if the appliance is not installed by a suitably qualified person, or is not installed in accordance with the current building regulations.

The warranty will be void if the appliance is modified in any way or assembled incorrectly.

MI-Flues Ltd will not be responsible for any incidental or consequential loss, damage or injury however caused.

The following parts are considered as consumable items and as such are not covered by any warranty:

- Glass
- Vermiculite insulation panels
- Vermiculite baffle
- Secondary steel baffle
- Door and glass rope seals
- Paint finish
- Firegrate

It is a condition of the warranty that the stove is only used in accordance with the installation instructions, and is not subjected to misuse or neglect, including the use of non-recommended fuels.

\* **The Warranty registration form is found at the rear of the Installation instruction Manual.**

\*\* **For the context of the warranty, an MI-Flues flue liner or chimney system is described as a complete flue system purchased from MI-Flues Ltd or one of its distributors. The complete system must comprise exclusively of the correct components taken from the MI-Flues product range.**



5.2 INSTALLER DETAILS AND HAND OVER CHECKLIST

|                         |  |                  |  |
|-------------------------|--|------------------|--|
| Dealers Contact Details |  |                  |  |
| HETAS Number            |  | Date of Purchase |  |

|                            |  |                  |  |
|----------------------------|--|------------------|--|
| Installers Contact Details |  |                  |  |
| HETAS Number               |  | Date of Purchase |  |

|                         |  |
|-------------------------|--|
| Appliance serial number |  |
|-------------------------|--|

Flue draft test complete?    YES ☐    NO ☐    Pascal Rating

Type of Flue System

Unlined Masonry    ☐    Diameter     Manufacturer

Installation instructions left with customer    YES ☐    NO ☐

Lined Masonry    ☐    Diameter     Manufacturer

Installation instructions left with customer    YES ☐    NO ☐

Clay Pot    ☐    Diameter     Manufacturer

Installation instructions left with customer    YES ☐    NO ☐

Insulated Twin Wall System    ☐    Diameter     Manufacturer

Installation instructions left with customer    YES ☐    NO ☐





5.3 ANNUAL SERVICE / SWEEPING RECORD

| DATE | ENGINEER/SWEEP | NAME | CERTIFICATE<br>RETAINED |
|------|----------------|------|-------------------------|
|      |                |      |                         |
|      |                |      |                         |
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|      |                |      |                         |



## 5.4 WARRANTY REGISTRATION

**To validate and start your warranty please fill out this form and return it to:**

MI-Flues Ltd, MI-Fires Warranty Registration, Taymin Business Park, Mitcham Road, Blackpool, Lancashire, FY4 4QN

### Your Details

|                                 |                      |
|---------------------------------|----------------------|
| Name                            | <input type="text"/> |
| Address                         | <input type="text"/> |
| Postcode                        | <input type="text"/> |
| Contact Number                  | <input type="text"/> |
| Email                           | <input type="text"/> |
| Model name                      | <input type="text"/> |
| Serial number                   | <input type="text"/> |
| Installation date               | <input type="text"/> |
| Installer name                  | <input type="text"/> |
| Installer HETAS Registration No | <input type="text"/> |



## THE BEST STOVE GLASS CLEANING SPONGE

Perfect dry cleaning for all stove glass

- Fast Clean
- Scratch Free
- Clear View

Available on-line at [www.mi-fires.com](http://www.mi-fires.com)  
or from all good retailers



## Coniston Inset



Mi-Flues Limited, Taymin Business Park, Mitcham Road, Blackpool, Lancashire, FY4 4QN, United Kingdom

Mi-Fires is part of the Mi-Flues Ltd group of companies. Tel: +44 (1253) 600060

|                                                                   |  |                                                    |  |                                                                                                                    |  |
|-------------------------------------------------------------------|--|----------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|--|
| Fireplace according to EN 13229: Roomheaters fired by solid fuel. |  | Fuel: Wood (Beech)                                 |  | Minimum distance from flammable materials:                                                                         |  |
|                                                                   |  | Efficiency: 83.7%                                  |  |                                                                                                                    |  |
|                                                                   |  | Thermal Output: 5.0 kW                             |  |                                                                                                                    |  |
|                                                                   |  | CO (at 13% O <sub>2</sub> ): 0.09%                 |  |                                                                                                                    |  |
| Identification of type: 136-CONISTON                              |  | Mean Flue Temp: 258°C                              |  | Side Walls: 250mm                                                                                                  |  |
| Variant: Coniston Inset                                           |  |                                                    |  | Back Wall: 250mm                                                                                                   |  |
| Serial Number:                                                    |  |                                                    |  | Top Mantle Distance: 500mm                                                                                         |  |
| Rated Power: 5.0 kW                                               |  |                                                    |  | Front distance to furnishings: 1200mm                                                                              |  |
| Usable Fuels: Wood, Manufactured smokeless fuel                   |  | Fuel: Smokeless                                    |  | Hearth temp: >100°C                                                                                                |  |
|                                                                   |  | Efficiency: 82.5%                                  |  | Year of entry to market: 2023<br> |  |
|                                                                   |  | Thermal Output: 5.3 kW                             |  |                                                                                                                    |  |
|                                                                   |  | CO (at 13% O <sub>2</sub> ): 0.08%                 |  |                                                                                                                    |  |
|                                                                   |  | Mean Flue Temp: 258°C                              |  |                                                                                                                    |  |
| FOLLOW THE USER'S INSTRUCTIONS                                    |  | APPLIANCE IS CAPABLE OF INTERMITTENT OPERATION     |  |                                                                                                                    |  |
| USE ONLY RECOMMENDED FUELS                                        |  | APPLIANCE SHOULD NOT BE INSTALLED IN A SHARED FLUE |  |                                                                                                                    |  |

## Coniston Inset Large



Mi-Flues Limited, Taymin Business Park, Mitcham Road, Blackpool, Lancashire, FY4 4QN, United Kingdom

Mi-Fires is part of the Mi-Flues Ltd group of companies. Tel: +44 (1253) 600060

|                                                                   |  |                                                    |  |                                                               |  |
|-------------------------------------------------------------------|--|----------------------------------------------------|--|---------------------------------------------------------------|--|
| Fireplace according to EN 13229: Roomheaters fired by solid fuel. |  | Fuel: Wood (Beech)                                 |  | Minimum distance from flammable materials:                    |  |
|                                                                   |  | Efficiency: 80.7%                                  |  |                                                               |  |
|                                                                   |  | Thermal Output: 7.8 kW                             |  |                                                               |  |
| Identification of type:                                           |  | CO (at 13% O <sub>2</sub> )                        |  | Side Walls:                                                   |  |
| Variant:                                                          |  | Mean Flue Temp:                                    |  | Back Wall:                                                    |  |
| Serial Number:                                                    |  |                                                    |  | Top Mantle Distance:                                          |  |
| Rated Power:                                                      |  |                                                    |  | Front distance to furnishings:                                |  |
| Usable Fuels:                                                     |  |                                                    |  | Hearth temp:                                                  |  |
|                                                                   |  | Fuel: Smokeless                                    |  | <div>Year of entry to market: 2024</div> <div>UK<br/>CA</div> |  |
|                                                                   |  | Efficiency: 81.8%                                  |  |                                                               |  |
|                                                                   |  | Thermal Output: 8.1 kW                             |  |                                                               |  |
|                                                                   |  | CO (at 13% O <sub>2</sub> )                        |  |                                                               |  |
|                                                                   |  | Mean Flue Temp:                                    |  |                                                               |  |
|                                                                   |  |                                                    |  |                                                               |  |
| FOLLOW THE USER'S INSTRUCTIONS                                    |  | APPLIANCE IS CAPABLE OF INTERMITTENT OPERATION     |  |                                                               |  |
| USE ONLY RECOMMENDED FUELS                                        |  | APPLIANCE SHOULD NOT BE INSTALLED IN A SHARED FLUE |  |                                                               |  |



MI-Flues Ltd  
Taymin Business Park  
Mitcham Road  
Blackpool, Lancashire  
FY4 4QN

[sales@mi-flues.com](mailto:sales@mi-flues.com)

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[www.mi-flues.com](http://www.mi-flues.com)