



Crytec

Instruction Manual

Model: JA010

Contents

- 1.INTRODUCTION
- 2.PRODUCT SPECIFICATION & CONTENTS
- 3.WARNING!
- 4.SAFETY WARNINGS FOR YOUR GUIDANCE
- 5.UNPACKING & ASSEMBLY
- 6.SUPPORTING FLOORS
- 7.MATERIAL CLEARANCES
- 8.MINIMUM DISTANCE TO COMBUSTIBLE MATERIALS
- 9.THE CHIMNEY
- 10.FLUE HEIGHT
- 11.BENDS IN FLUES
- 12.INSPECTION & CLEANING
- 13.AIR FOR COMBUSTION
- 14.FIREPLACE AIR SUPPLIES
- 15.CONNECTION TO THE CHIMNEY
- 16.CLEANING THE FLUE
- 17.FUME EMISSIONS
- 18.USING YOUR FIREPLACE
 - THE CONTROLS
 - INITIAL SEASONING
 - NOTICE
 - REFUELLING
 - CHIMNEY FIRE
 - ASH REMOVAL
 - ACCESSORIES
- 19.MAINTENANCE
- 20.CHIMNEYS AND FLUE-WAYS
- 21.FUEL OVERLOADING
- 22.REFUELING ON TO A LOW FIRE BED
- 23.DAMPERS LEFT OPEN
- 24.OPERATION WITH DOOR LEFT OPEN
- 25.TROUBLESHOOTING

INTRODUCTION

Welcome to your new Crytec Stove. Constructed of new high quality cast iron with a long lifespan, which complies with EN13240 standards. Designed for use with wood logs and manufactured smokeless fuel as recommended for use in a closed appliances.

Your Crytec Stove comes with the following features:

- An airwash system which keeps the front heat resistant for a better view of the fire.
- This stove is suitable for intermittent burning and should not be used constantly for extended periods. Not suitable for overnight burning.
- Removeable ashpan for simple cleaning
- Rear and top flue positions with a flue connector included.
- Air vent control
- Only minor assembly required
- The minimum flue draught for nominal heat output is 12pa

PRODUCT SPECIFICATION & CONTENTS

Material: Cast iron construction

Heat output: 7KW

Model: JA010

Flue collar: 12.7cm/5”diameter

1x Stove, 4x Legs and leg fixings 1x Heat resistant glove

1x Flue Connector 1x Ashpan

1x Ashpan hook 1x Manual

WARNING!

AN ACCREDITED FIREPLACE INSTALLER SHOULD CARRY OUT THE INSTALLATION OF THIS FIREPLACE. IF THE FIREPLACE IS NOT FITTED CORRECTLY, BY AN ACCREDITED PERSON OR OUTSIDE THE SCOPE OF THIS MANUAL IT COULD RESULT IN A HOUSE FIRE OR CARBON MONOXIDE POISONING.

READ ALL THE INSTRUCTIONS CAREFULLY BEFORE INSTALLATION

The instructions cover the basic principles to ensure satisfactory installation of the fireplace, although detail may need slight modification to suit particular site conditions. In all cases the installation must comply with current Local Authority Byelaws.

This guidance information in no way replaces your responsibility as an installer or end user to comply with the appropriate standards.

All local regulations, including those referring to national and European standards need to be complied with when installing the appliance.

Please note that the under stove hearth temperature is over 100°C, therefore the stove will need to go on a non-combustible constructional hearth of at least 125 mm thick (requirement of Document J of the Building Regulations 2010).

CARBON MONOXIDE POISONING

A CO Alarm must be fitted into the same room as the appliance upon installation and that the alarm is compliant with British Standards BS 50291. Where battery powered alarms are selected, alarms with ‘sealed for life’ batteries rather than alarms with replaceable batteries are the better option.

SAFETY WARNINGS FOR YOUR GUIDANCE

THIS FIREPLACE WILL BE HOT when in operation and due care should be taken. Thick gloves should be used to operate the primary/secondary controls or reaching inside the fireplace to position fuel or remove ash.

FIRES CAN BE DANGEROUS - Always use a fireguard in the presence of children, the elderly or the infirm.

DO NOT OVERFIRE - it is possible to fire the fireplace beyond its design capacity. This could damage the fireplace, so watch for signs of over firing - if any part of the fireplace starts to glow red, the fireplace is in an over fire situation and the controls should be adjusted accordingly. Never leave the fireplace unattended for long periods without first adjusting the controls to a safe setting. Careful air supply control should be exercised at all times.

THIS FIREPLACE MUST BE CONNECTED TO A SUITABLE FLUE OUTLET. Due to high temperature this fireplace should be located well away from furniture and curtains. Children and adults should be alerted to the hazards of hot surfaces. Young children should be carefully supervised when they are in the same room as the fireplace. Do not place clothing or other flammable material on or near the fireplace. Keep the fireplace area clear of combustible materials, flammable liquids or vapors.

CARBON MONOXIDE POISONING CAN BE FATAL. Due consideration should be given to the dangers of carbon monoxide poisoning following incomplete combustion of solid fuels in an enclosed space. See page 14 in this booklet.

UNPACKING & ASSEMBLY

UNPACKING

Before assembling, please check contents against the following list and advise your dealer immediately if any parts are missing.

TOOLS REQUIRED

Screwdriver Adjustable spanner

Fire Cement / Heat Resistant Silicone

ASSEMBLY

You can either:

- Use a registered installer who can self certify that the work he does complies with the relevant Building Regulations; or
- The consumer applies to their local authority building control department for a building notice, and pays the appropriate fee.

It is generally worthwhile to use an accredited installer who will supply a Certificate of Compliance as a record of the job and that it complies with Building Regulations.

SUPPORTING FLOORS

The fireplace must only be installed on floors with an adequate load bearing capacity and if the existing construction is not suitable, additional measures such as a load distributing plate must be provided. The hearth should be able to accommodate the weight of the fireplace and its chimney if the chimney is not independently supported.

The JA010 needs to stand on a constructional hearth that should be made of solid, non-combustible material such as concrete or masonry, at least 125mm thick, including the thickness of any non-combustible floor and/or decorative surface.

Specific guidance for surfaces on which the fireplace may be allowed to stand should be of ceramic or concrete construction. Alternatively, a heat shield may be used, mounted according to the position of the fireplace. A firewall must be at least 100mm thick and typically made of brick, or concrete/stone.

MATERIAL CLEARANCES

The fireplace must have a minimum clearance of 1200mm to a combustible ceiling above.

The fireplace can be recessed in a suitable sized fireplace but a permanent free air gap of at least 200mm must be left around the sides and top and at least 50 mm at the back of the fireplace to obtain maximum heat output and for access to the rear of the fireplace.

MINIMUM DISTANCE

TO COMBUSTIBLE MATERIALS

Note: combustible material refers to any material that will degrade when subjected to heat e.g. plaster. Due to the heat of a hot fireplace, a suitable fireguard should always be used to provide additional protection. Never allow young children to be left unsupervised in a room containing a hot fireplace.

Back Wall 660mm

Side Wall 520mm

Front Hearth Projection 1010mm

THE CHIMNEY

The fireplace is supplied with a flue pipe connector for top mounting with the fixing screws supplied. The fireplace should never be connected to a shared chimney/flue system. Flue pipes with a smaller cross-sectional area than that of the fireplace outlet should never be used. Flue pipes must not project into the chimney connector, such as to cause a restriction to the gas flow.

1. Fireplaces under 9kW rated output that low volatile fuel requires a minimum flue size of 125mm diameter (or rectangular flues having the same cross-sectional area) and a minimum dimension not less than 100 mm for straight flues or 125mm for flues with bends or offsets. Refer to the product specification for the correct size flue pipe required for each model.
2. Fireplaces of up to 20kW rated output burning any fuel require 150 mm diameter (or rectangular flues having the same cross-sectional area and a minimum dimension not less than 125mm. Refer to the product specification for the correct size flue pipe required for each model.

Liners should be installed in accordance with their manufacturers instructions. Appropriate components should be selected to form the flue without cutting and to keep joints to a minimum. Bends and offsets should be formed only with the matching factory- made components. Liners need to be placed with the sockets or rebate ends uppermost to contain moisture and other condensates in the flue. Joints should be sealed with fire cement, refractory mortar or installed in accordance with their manufacturers instructions.

Ensure the joints are completely sealed, as air leakage will lead to poor performance. Avoid having more than two bends in the flue system. Any offset between bends should be minimized and the flue should be equipped with suitable access doors for inspection & cleaning.

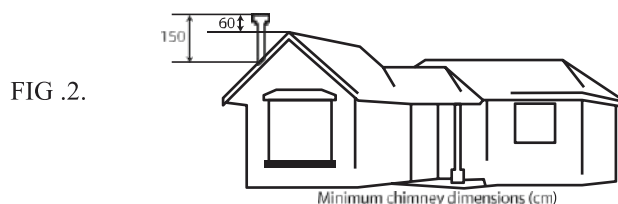
THIS FIREPLACE MUST NOT BE INSTALLED INTO A CHIMNEY THAT SERVES ANY OTHER HEATING APPLIANCE. THERE MUST NOT BE AN EXTRACTOR FAN FITTED IN THE SAME ROOM AS THE FIREPLACE, AS THIS CAN CAUSE THE FIREPLACE TO EMIT FUMES INTO THE ROOM.

FLUE HEIGHT

The chimney height and the position of the chimney should conform to the manufacturers recommendations. Flues should be high enough to clear the products of combustion. The height necessary for this will depend on the type of the appliance, the height of the building, the type of flue and the number of bends in it, and an assessment of local wind patterns. However, a minimum

flue height of 4.5m could be satisfactory. External flue pipes should be 'twin wall'. These retain the heat, enabling it to rise and disperse from the chimney. See diagram below for effective flue height recommendations.

The outlet from a flue should be above the roof of the building in a position where the products of combustion can discharge freely and will not present a fire hazard, whatever the wind conditions.



BENDS IN FLUES

Offsets in flues are only acceptable if the following rules are respected:

- The chimney system shall have no more than 4 bends in total; - 2 bends in the chimney and 2 bends in the flue pipe connection.
- The offset shall provide a change of direction no more than 45 degrees from the vertical.
- The run of the chimney between bends shall not exceed 20% of the total chimney length.
- The maximum length of the horizontal flue must not exceed 150mm (6").

INSPECTION & CLEANING

Check that the chimney is in good condition, dry and free from cracks and obstructions. The diameter of the chimney should not be less than 150mm and not more than 230mm. If any of these requirements are not met, the chimney should be lined by a suitable method.

The chimney must be swept before connection to the fireplace. Where the chimney is believed to have previously served an open fire installation, it is possible that the higher flue gas temperature from the fireplace may loosen deposits that were previously firmly adhered, with the consequent risk of flue blockage. It is therefore recommended that the chimney be swept a second time within a month of regular use after installation.

Assuming that when the fireplace is first installed, the chimney is clean, and sound, then the chimney flue should be inspected part way through the burning season to establish the regularity of sweeping required. If you have any doubts about the suitability of your chimney, consult your local dealer/stockiest.

AIR FOR COMBUSTION

Any room or space containing a fireplace should have a permanent air vent opening of at least the sizes. For fireplaces designed to burn a range of different solid fuels, the air supply should be designed to accommodate burning the fuel that produces the highest heating output.

STOVE AIR SUPPLIES

Installing this stove will need a permanent air vent for combustion air and that the air vent(s) should be positioned that they are kept free from blockage.

There must always be a permanent means of providing air for combustion into the room in which the fire is installed. A permanent vent with a total free area of at least 550mm² for every kW rated above 5kW should be connected directly to the outside air or an adjacent room which itself has a permanent vent of the same size direct to the outside air. The fitting of an extractor fan to either of these rooms is not permitted.

CONNECTION TO THE CHIMNEY

This MUST be carried out by an accredited/competent person and/or approved by your local authority before using the fireplace. Any existing flue must be in good condition with suitable access for collection and removal of debris.

It is also important that suitable flue pipe complying with manufacturer recommendations is used to connect the fireplace to the chimney flue and that suitable access is provided into the flue for regular inspection and sweeping of the flue ways.

Chimneys should be as straight as possible. Horizontal runs should be avoided except where the rear outlet of the appliance is used, in which case, the horizontal section should not exceed 150mm (6 inches) in length.

Refer to the typical installation diagrams, Fig 3. Flue connections must be well sealed.

A non-combustible register plate minimum 1.5mm thick should be fitted to all installations between the flue and the building structure.

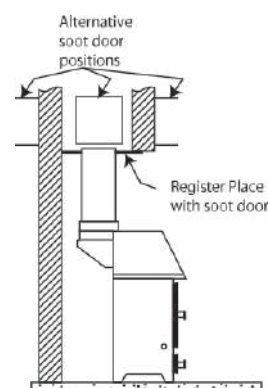
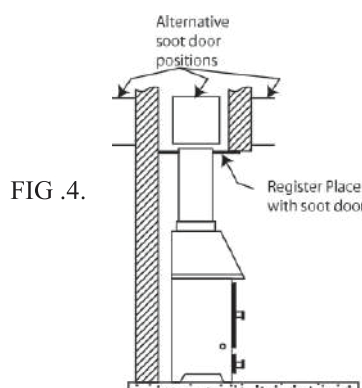
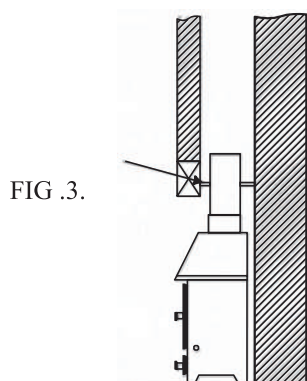
Fig 4: Horizontal register plate with top flue connection

Fig 5: Horizontal register plate with optional vertical rear flue connection

There are several ways of connecting the fireplace to the flue as shown in Figures 4 & 5. If the vertical rear flue is used, the chimney may be swept through the appliance. If it is not possible to pass the sweeps brush through the fireplace, a soot door will be necessary. This may be either in the actual brickwork of the chimney or fitted in the register plate. Various suitable positions of soot doors are shown in Figures 4 & 5.

CLEANING THE FLUE

Access for cleaning the flue should be incorporated in the system other than through the appliance (e.g. a soot door or access through a register plate).



Purpose-made soot doors and inspection lengths are available from your local fireplace specialist or installer. Ensure that the whole length of the flue can be reached from the soot door.

FUME EMISSIONS

To avoid chimney problems, your fire should not be burnt slowly for longer than 12 hours without a period of fast burning. Properly installed and operated, this fireplace will not emit fumes. Occasional fumes from de-ashing and refueling may occur. Persistent fume emission must not be tolerated. If fume emission persists, the following immediate action should be taken:

1. Open doors and windows to ventilate room.
2. Let the fire out, or eject and safely dispose of fuel from the fireplace.
3. Check for flue chimney blockage and clean if required.
4. Do not attempt to re-light the fire until the cause has been identified and corrected.

If necessary, seek professional advice.

Important! Never fit an extractor fan in the same room as this fireplace.

USING YOUR STOVE

THE CONTROLS

Secondary Air Control, positioned above the door of the stove, is used when burning wood logs and can be opened and closed to regulate the burning rate and output of the appliance.

Primary Air Control, used for burning Smokeless Mineral Fuels positioned at the base of the door, it regulates the burning rate of the fuel. When burning wood logs, it should **ONLY** be used during initial ignition/start up or when refueling.

INITIAL SEASONING

Following installation, and before regular use, the fireplace must be seasoned to prevent cracking of the metal casting. This procedure should also be followed if the fireplace has not been used for prolonged periods (during the summer months for example) and is carried out as follows:

Always ensure the ashpan is correctly fitted in place before any fire is lit.

1. Light a small fire in the middle of the fireplace, well away from the sides.
2. Allow the fireplace to warm up slowly and evenly with the air controls almost closed, avoiding intense flames.
3. Keep the fire burning for three hours or so, gradually increasing the size of the fire using larger logs, which will burn naturally but slowly, keeping the fireplace on a low setting.
4. After a couple of days burning at this level, increase the brightness & intensity of the fire gradually over the next 10 days.

Full strength fires should not be used until completion of approx. 20 days of mild use. Only from this time will the fireplace have been properly seasoned. It should be remembered that this procedure should be carried out at the beginning of each season of use in order to remove the moisture retained by the metal during the period of non-use. When used for the first time the fireplace may smell a little, due to gas being given off. The gas is not toxic, but the room should be thoroughly ventilated.

Let the fire burn with a high draught until no smells can be detected.

Take care not to open the fireplace doors too vigorously in case of smoke spillage. If smoke spillage occurs after the fire door has been opened this could be due to poor chimney draft. SEE TROUBLESHOOTING.

FIRE-LIGHTING WITH WOOD

Burning wood logs:

1. Open the air controls.
2. Lay firelighters or rolled up newspapers on the grate with a reasonable quantity of dry kindling wood – 20 to 30 mm in diameter.
3. Light the newspaper or firelighters using a long taper and leave the door ajar for 2-4 minutes in order that the fuel lights and establishes good combustion. Add further kindling to produce a glowing bed of embers – wood logs burn best on a bed of glowing embers!
4. When the fire is burning strongly, add further logs up to 50 - 70 mm diameter and close the door and the primary control. When the fire in the stove is established, you can close the secondary air control as required to regulate the burn.

NOTE: Wood logs should not be loaded above the height of the log retainer so that they may fall out. OR to a height where they effect the flow of air from the tertiary air holes in the back of the firebox.

Burning Smokeless Mineral Fuel:

1. Open the primary air control fully and the secondary air to halfway.
2. Using firelighters or rolled up newspaper along with a handful of kindling on top cover with a small pile of smokeless fuel.
3. Light the firelighter/paper and leave the door ajar to establish ignition of the kindling.
4. When the fire is flaming add more smokeless fuel to cover and take the shape of the grate.
5. Close the door and the secondary air control.

NOTE: Smokeless fuel should be reloaded onto the previous bed after a thorough deashing or riddling with a suitable poker. Fuel should not be loaded to be able to fall out. It should be banked up toward the back wall of the stove but not too high to affect the tertiary air holes.

REFUELLING AND RECOMMENDED FUELS

When burning wood logs at the nominal output, you should expect to reload the stove every 50 – 60 minutes.
When burning Mineral Smokeless Fuels refueling should occur about every 60 minutes.

THIS STOVE IS NOT SUITABLE FOR OVERNIGHT COMBUSTION.

Refuelling with wood logs: always open the doors slowly to avoid a sudden rush of intake air and smoke escaping into the room when you add fuel.

Always refuel onto a glowing bed of embers. Place the new fuel into the firebox and leave the door ajar until flames are established on the fuel. You can then close the door.

Refuelling with Mineral Smokeless Fuel:

Always deash the previous fuel bed with a suitable poker or riddling tool. Place the fuel using a coal shovel or glove and angle it back from the retainer towards the rear wall of the firebox.

Close the door and open the primary fully to ignite the new fuel – after 3-5 minutes shut the primary air supply down to the required setting for your desired burn rate.

- The rate of refueling and heat available are dependent upon individual requirements based upon the user's experience. When re-loading, it is normally necessary to burn the fireplace fast initially, to drive off any gases and moisture, before closing the air vents to control the burn rate.
- Ensure the doors are kept closed to contain fumes except when lighting up, re-fuelling or removing ash.
- It is not recommended to leave the fireplace alight at night or to continue using the fireplace in mild weather, which gives poor combustion leading to a greater buildup of soot.

However, by reducing the burn rate to such a level that the fire is still burning the following day, the burning process creates heavy, tarry chemicals which will become deposited on the inside of the flue or chimney. This is an inefficient process, which greatly increases the risk of a chimney fire and makes it necessary to sweep the chimney more often.

Once lit the door should be left ajar for 2-4 minutes in order that the fuel lights and establishes good combustion.

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

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

Recommended Fuels: the Solid Mineral Fuels that can be used on the stove can be found at www.hetas.co.uk. The stove was tested using MAXIBRITE.

Fuel should be dry . Recommended Fuels should be well seasoned so as to have moisture content below 20%. The use of damp wood will result in more soot and tar deposits being left in the chimney, flue, and fireplace, and will not release heat if thermal energy is being used to drive out moisture from the fuel.

Other fuels can be used in conjunction with wood, provided the base of the fire remains as wood or compressed block fuels. Do not use the fireplace to incinerate other materials including household waste.

Avoid using 'green' unseasoned wood, treated wood or plywood/chipboard containing glues and resins which pollute the environment and cause the fire to burn too quickly. Such materials can produce excessive tar or creosote which can be damaging and in extreme cases cause a fire inside the chimney. Looking at the end of the log can assess the dryness of wood. Radial cracks, deep enough to be considered as splits should be present in dry, seasoned logs. This level of dryness may take up to two years to achieve.

The maximum length of fuel suitable for this fireplace is approx. 25cm so as to lay flat over the embers. Logs greater than 160mm diameter should be split.

CHIMNEY FIRE

- Chimney fires occur when soot and creosote have built up in the flue system ignite. If the stove is operated properly and the flue checked and cleaned regularly, then chimney fires should not occur.
- These fires can be very dangerous and must be avoided. Try to maintain good hot fires in the stoves whenever possible and at least once in every firing open the air controls and allow the stove to burn on full for a short while until the full fire bed is glowing red. Check your flue system regularly for build-up of soot and creosote and clean as necessary.
- Chimney fires can be detected by sparks coming from the top of the chimney, a roaring sound coming from the area of the stove or chimney or vibration in the stove or chimney. In the event of a chimney fire close the air controls, evacuate the building and call the fire department.
- Do not relight the stove after a chimney fire until the stove and flue system have been fully checked and any necessary repairs have been carried out.

ASH REMOVAL

Keep the fireplace free from a heavy buildup of ash. The frequency of this is dependent upon the type and quality of fuel being used. Ash should be removed before it builds up to the underside of the grate, at which point, the grate would be burning hot on both sides, shortening its life expectancy.

When disposing of ashes, ensure they have cooled and always place in a metal container. Be sure to remove the ash when the fire is at its lowest point, such as first thing in the morning.

ACCESSORIES

If disposing of this product or any damaged components please do so responsibly. Metal products should be taken to your local civic amenity site for recycling of metal products. Items are not suitable for general household waste disposal.

MAINTENANCE

CLEANING

The inside of the fireplace may require regular cleaning, especially during periods of peak use, the frequency of this being indicated by experience. It is advisable to wear a dust mask, protective gloves and safety glasses when cleaning.

WARNING! MAKE SURE THE FIRE IS COMPLETELY BURNED OUT BEFORE ATTEMPTING TO CLEAN THE FIREPLACE.

Use a stiff brush and industrial type vacuum cleaner to dislodge and remove as much material as possible, starting at the top of the fireplace and working down to the bottom. Particular attention should be given to the air inlet controls, which can become obstructed.

GENERAL MAINTENANCE

The fireplace and flue way should be inspected and maintained when in a cold condition. NO unauthorized modification of this product should be carried out. This fireplace requires regular maintenance by a competent person.

FIREPLACE BODY

The fireplace is finished with a heat-resistant paint, which can be cleaned with a soft brush. Wait until the fireplace has cooled down before doing this. This finish can be renovated with heat resistant fireplace paint, although the paint may not be an exact match and it may be necessary to repaint the complete fireplace.

If the fireplace is purely ornamental, painting will provide a durable, attractive finish. If the fireplace is used for heating, a high temperature heat resistant paint (available from your hardware or paint dealer) must be used, in either aerosol or brush applied form. Should rust become apparent, clean thoroughly with a wire brush and apply a suitable anti-rust treatment.

During prolonged periods out of use, the air inlets should be left open and the door left slightly ajar in order to circulate fresh air and discourage condensation from forming which could encourage corrosion.

Surface rust may occur on the outside of the fireplace, coastal or humid regions can cause this to happen faster than arid regions. Proper cleaning and retreating may need to be done seasonally.

Heavy rains and strong winds may cause rain water to enter via the flue pipe and flood the internal cavity of the fireplace. Check the inside of fireplace for rainwater after storms or heavy rains and clean where necessary to prevent rust. Consult your local installer for examination of the flue pipe installation should the problem be persistent after every rain.

CHIMNEYS AND FLUE-WAYS

It is important that the chimney, flue-ways and any connecting flue pipe are swept regularly. This means at least once a year for smokeless fuels and at least twice a year for wood and other fuels. Only wire-centered sweep's brushes fitted with a guide wheel should be used. If it is not possible to sweep all parts of the chimney through the fireplace, ensure there is adequate access to cleaning doors.

FUEL OVERLOADING

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

REFUELING 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. Refueling 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 excess smoke.

DAMPERS LEFT OPEN

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

OPERATION WITH DOOR LEFT OPEN

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

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. Similarly in Scotland appliances are exempted by publication on a list by Scottish Ministers under section 50 of the Regulatory Reform (Scotland) Act 2014. In Wales and Northern Ireland these are authorised by regulations made by Welsh Ministers and by the Department of the Environment respectively. Further information on the requirements of the Clean Air Act can be found here at: <https://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 JA010 has been recommended as suitable for use in smoke control areas when burning wood logs. The JA010 must be fitted with a permanent stop to prevent closure of the secondary air control beyond 1.385mm open.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Fire difficult to start	Wood green, too damp or poor quality	Use recommended fuel
Fire goes out	Logs are too large	When lighting, use small, dry kindling. To maintain the fire, use split logs
	Air starvation	Open upper and lower air controls
	Insufficient draft	Check that flue is not obstructed and sweep flue if necessary
Fire burns too quickly	Too much draft	Ensure the lower air control is closed. Partially close the top air control
	Excessive draw	Install a draft stabiliser
	Poor quality wood	Do not continuously burn small wood, sticks, carpentry offcuts, plywood, etc.
	Wood is too small	Add larger logs
Fireplace smokes when lighting up	Flue duct is cold	Burn paper and kindling wood to increase heat.
	Room is at negative air pressure to the outside	In houses equipped with mechanical ventilation, open a window until the fire is well established
Low heat output	Incorrect fuels	Use recommended fuels
Smokes while burning	Draft is insufficient	Consult a chimney specialist. Check that the flue is not obstructed and sweep if necessary
	Downdraught present	Install an anti-downdraft cowl.
	Room is at negative pressure outside	In houses equipped with mechanical ventilation, an outside air intake must be installed in the chimney
Smoke spillage when opening the door	Chimney not tall enough to be clear of the roofline	Increase height of chimney
	Poor sealing of flue pipe joints	Re-connect flue or replace jointing material
	Flue is partially blocked with soot	Arrange to have chimney swept
	House too tightly sealed	Ensure a fresh air supply is reaching the fireplace

Manufacture: Crytec Limited
Models:JA010
Intended Use: Domestic Space Heating Appliance
Performance & safety Test performed by: Kiwa Energy, Approved Body: 0558
Declared Performance:

Model Variant	
Code	
Weight (kg)	81
Report Number	61527-1

Wood Logs

Total Efficiency	%	79.1
Nominal heat output	kW	7.0
Mean CO emission (at 13 % O ₂)	%	0.03
Mean flue gas temperature	°C	312
Flue gas mass flow	g/s	5.3
Mean C _n H _m (at 13 % O ₂)	Nmg/m ³	54
Mean NO _x (at 13 % O ₂)	Nmg/m ³	89
DIN Plus dust (at 13 % O ₂)	Nmg/m ³	38

Maxibrite

Total Efficiency	%	75.8
Nominal heat output	kW	6.2
Mean CO emission (at 13 % O ₂)	%	0.10
Mean flue gas temperature	°C	277
Flue gas mass flow	g/s	6.6
Mean C _n H _m (at 13 % O ₂)	Nmg/m ³	64
Mean NO _x (at 13 % O ₂)	Nmg/m ³	118
DIN Plus dust (at 13 % O ₂)	Nmg/m ³	23

Safety Distances from Combustibles:
Minimum Distances to Combustible Material Using (Single Connecting Flue)

Back Wall	660mm
Side Wall	520mm
Front Hearth Projection	1010mm
Temperature Under Stove	100°C

Signed:Manman Chang

Director Manman Chang