



# Riva2

## Inset Convector Range



## Installation and Servicing Instructions

### IMPORTANT

THE OUTER CASING, FRONT AND GLASS PANEL BECOME EXTREMELY HOT DURING OPERATION AND WILL RESULT IN SERIOUS INJURY AND BURNS IF TOUCHED. IT IS THEREFORE RECOMMENDED THAT A FIREGUARD COMPLYING WITH BS 8423 (LATEST EDITION) IS USED IN THE PRESENCE OF YOUNG CHILDREN, THE ELDERLY OR INFIRM.

ALL LOCAL REGULATIONS, INCLUDING THOSE REFERRING TO NATIONAL AND EUROPEAN STANDARDS, NEED TO BE COMPLIED WITH WHEN INSTALLING THE APPLIANCE.

Do not attempt to burn rubbish in this appliance. Please read these Instructions carefully before installation or use.

Keep them in a safe place for future reference and when servicing the fire.

The commissioning sheet found on page 3 of these instructions should be completed by the Installer.

PM1960 02.06.2022

## CONTENTS

### Riva 2 Inset Convector Range

Covering the following models:

MODEL	WOOD	MULTI-FUEL
RIVA2 40	-	323-568
RIVA2 50	323-325	-
RIVA2 55	323-371	-
RIVA2 66	323-386	-

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CONSUMER SUPPORT VIDEO:  
[www.stovax.tv/support/StovaxRiva2](http://www.stovax.tv/support/StovaxRiva2)



## APPLIANCE COMMISSIONING SHEET

To assist us in any guarantee claim please complete the following information:-

## Dealer appliance was purchased from:

Name:

Address:

Telephone number:

## Essential information - MUST be completed:

Date Installed:

Model Description:

Serial Number:

## Installation Engineer:

Company Name:

Address:

Telephone number:

## Commissioning Checks - to be completed and signed:

Is flue system correct for the appliance:	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Flue swept and soundness test complete:	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Smoke test completed on installed appliance	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Spillage test completed	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Use of appliance and operation of controls explained	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Clearance to combustible materials checked	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Instruction book handed to customer	YES <input type="checkbox"/>	NO <input type="checkbox"/>
CO Alarm Fitted	YES <input type="checkbox"/>	NO <input type="checkbox"/>
Flue draught Reading (Pa)	HOT <input type="text"/>	COLD <input type="text"/>

Signature: ..... Print Name: .....

## GENERAL INFORMATION

### INSTALLATION

#### Registered Professional:

Before installation and/or use of this appliance please read these instructions fully and carefully to ensure that you have fully understood their requirements.

The appliance must be fitted by a registered installer, or approved by your local building control officer.

#### Structural Support:

If installing on a wooden floor, check that the floor joists are strong enough to bear the weight of the insert, chimney and construction parts.

#### Hearth:

These products require a constructional hearth. See page 8 for hearth dimensions.

#### Final inspection of the installation:

When it has been installed, the appliance must be commissioned in accordance with standards and practices to ensure full working order and a correct handover given to the customer.

### OPTIONAL EXTRAS

The Riva2 has an optional extra to enhance the performance of the appliance. This needs to be considered when planning the installation.

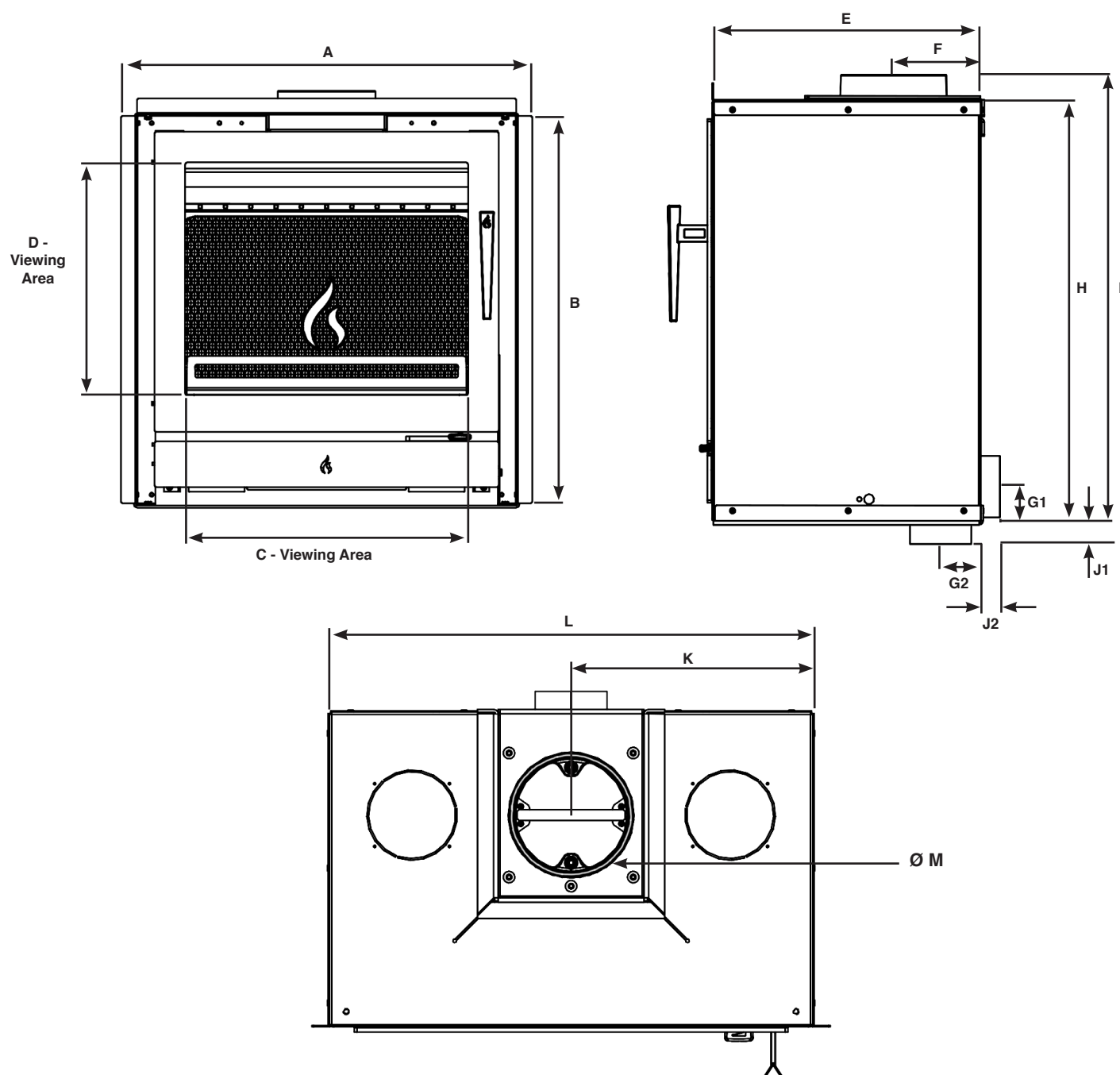
#### EXTERNAL AIR CONNECTION

This appliance can be fitted with an optional kit to help bring air directly into the appliance from outside. For installation and operating procedures see Page 16.

APPLIANCE	PART NO.
Riva2 40/50/55/66	998-080

**IT IS IMPORTANT TO UNDERSTAND AND COMPLY WITH ANY ADDITIONAL COMMISSIONING REQUIREMENTS WHEN THIS KIT IS FITTED.**

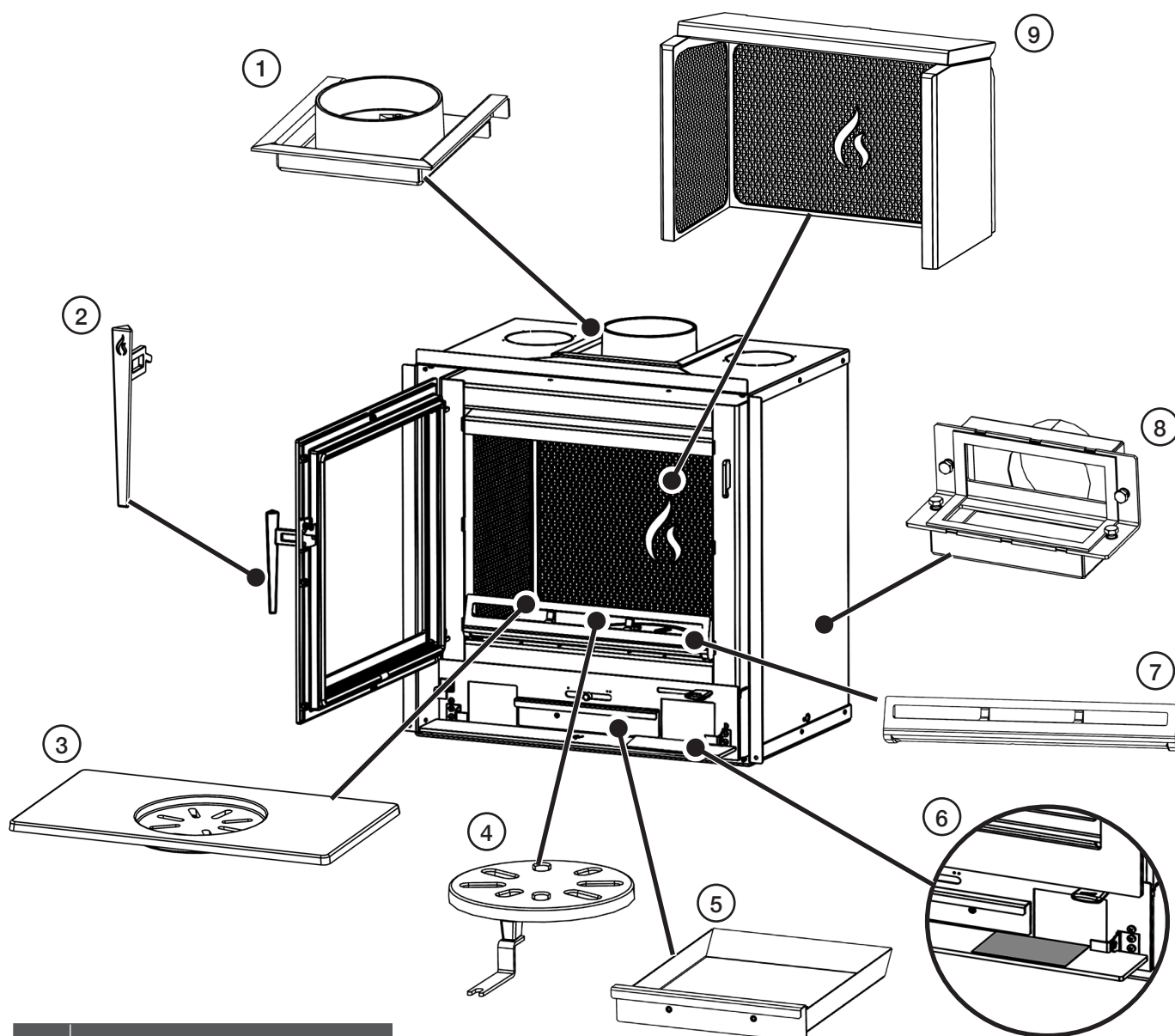
## DIMENSIONS



DESCRIPTION	MODEL	A	B	C	D	E	F	G1	G2	H	I	J1	J2	K	L	M
<b>RIVA2 40</b>	323-568	436	571.5	256	325	350	117.5	49	47.5	550	582	21.5	20	200	400	127
<b>RIVA2 50</b>	323-325	576	571.5	396	325	350	117.5	49	47.5	550	582	21.5	20	270	540	127
<b>RIVA2 55</b>	323-371	576	681.5	396	435	350	117.5	49	47.5	660	692	21.5	20	270	540	127
<b>RIVA2 66</b>	323-386	686	571.5	506	325	350	117.5	49	47.5	550	582	21.5	20	325	650	127

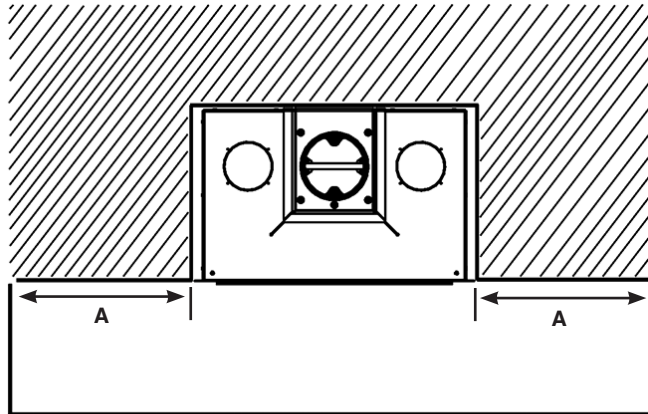
All dimensions in mm. (25.4 mm = 1")

## PARTS IDENTIFIER

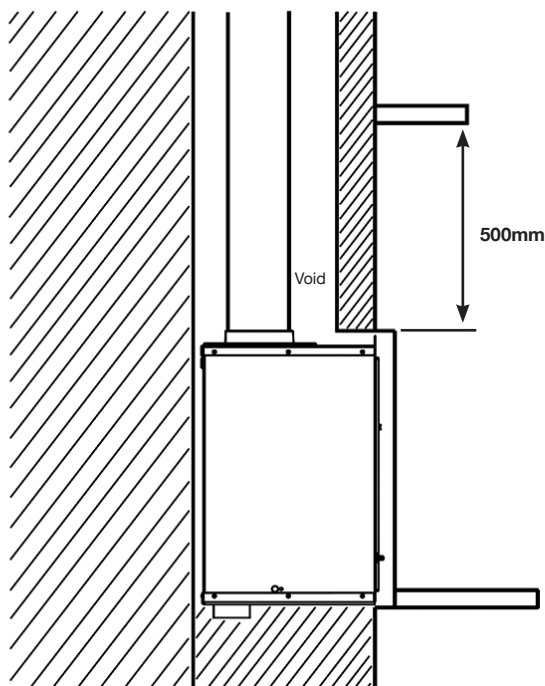
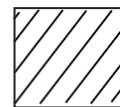


REF.	DESCRIPTION
1	Flue Collar Adapter
2	Door Handle
3	Main Grate
4	Centre Grate
5	Ash Pan
6	Data Plate
7	Log Guard
8	Optional Outdoor Air Kit
9	Firebrick Assembly

## CLEARANCE TO COMBUSTIBLE MATERIAL



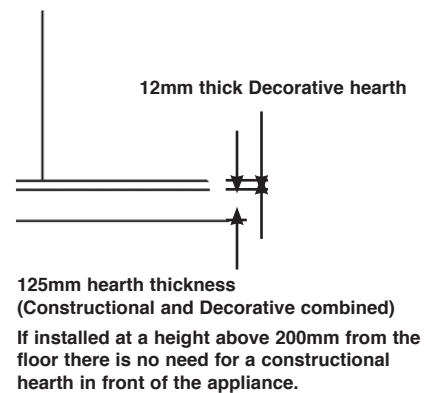
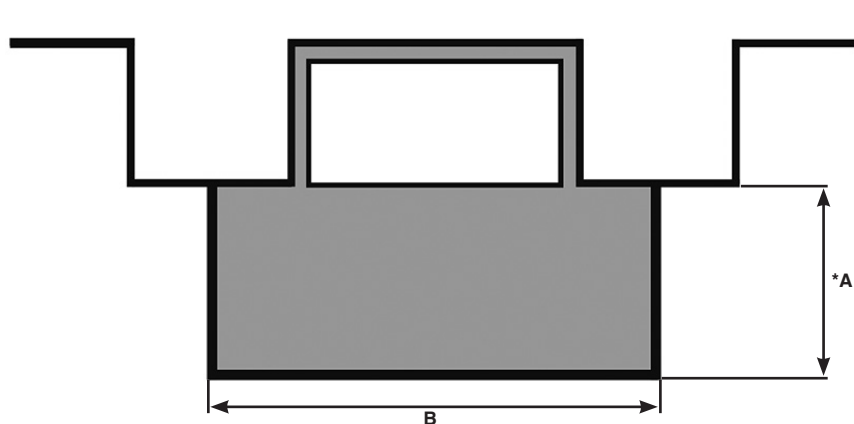
MODEL	A (mm)
Riva2 40	150
Riva2 50	150
Riva2 55	150
Riva2 66	150

**DO NOT FILL VOID AREA**

No Combustible Material in this area

## CLEARANCE TO COMBUSTIBLE MATERIAL

### HEARTH DIMENSIONS



DIMENSIONS	A (Min)	B
Riva2 40	225	1036
Riva2 50	500	1176
Riva2 55	500	1176
Riva2 66	350	1286



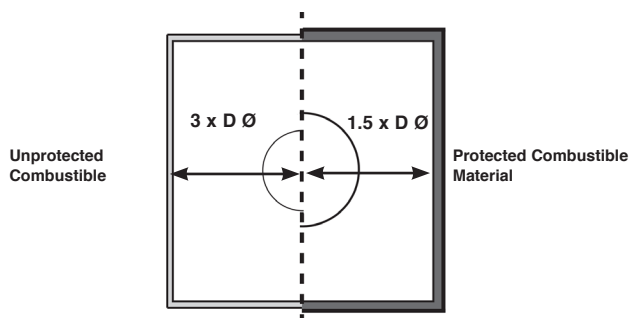
**\*Stovax recommends that the depth of the Decorative Hearth is equal to or greater than the height of the appliance from the floor, OR, the length of the door from the wall when in the open position. USE WHICHEVER FIGURE IS GREATER.**

## CLEARANCE TO COMBUSTIBLE MATERIAL

Make sure that the connected flue system is positioned at a reasonable distance from any combustible material

Stovax recommend the use of a flue liner when installing into a masonry chimney. Alternative methods can be used if the chimney is sound and correctly sized, however access may be required to make an effective seal - ie Using a sump adapter.

Stovax recommend using an approved twin wall insulated chimney system when installing within studwork.



## ESSENTIAL INFORMATION

GENERAL	Model:			Riva2 40	Riva2 50	Riva2 55	Riva2 66
	Riva2 40 Riva2 50 Riva2 55 Riva2 66						
	Nominal Heat Output	Wood	kW	4.9	5.0	5.0	8.1
		Solid Fuel	kW	5.2	N/A	N/A	N/A
	Efficiency	Wood	%	80.5	77.4	77.1	76.5
		Solid Fuel	%	82.6	N/A	N/A	N/A
	CO @ 13% O <sub>2</sub>	Wood	%	0.08	0.08	0.08	0.11
		Solid Fuel	%	0.06	N/A	N/A	N/A
	Weight		Kg	63.5kg	76.8kg	85.9kg	87.2kg
	Recommended Fuels	Wood	Seasoned Wood (less than 20% moisture content)				
Solid Fuel		Briquette smokeless fuel suitable for closed appliances (Ancit-Phuracite-Maxibrite-Taybrite-Homefire Ovals)					

### As tested to the requirements of EN 13229 for intermittent operation

FLUES	Flue Outlet Size (Top or Rear Option)	This appliance requires a suitable adapter to fit to a flue larger than 128mm (5").	mm	128	128	128	128
			inch	5	5	5	5
	Flue/Chimney Size  Note: If the appliance has not been commissioned as a DEFRA smoke controlled appliance then the flue system should be 153mm (6").	Without flue liner Round (Diameter)	mm	128	128	128	128
			inch	5	5	5	5
		Without flue liner system (Square)	mm	135	135	135	135
			inch	5½	5½	5½	5½
		With Liner of Factory made system (diameter) installed in accordance with manufacturers instructions	mm	128	128	128	128
			inch	5	5	5	5
	Flue/Chimney minimum height**	All products **must be 4.5m from the hearth to the top of the flue, with no horizontal sections and a maximum of 4 bends. Bends must have angles of less than 45 degrees from the vertical.	m	4.5	4.5	4.5	4.5
			feet	15	15	15	15
	Flue Draught	Min	Pa	10	10	10	10
		Nominal		12	12	12	12
		Max		20	20	20	20
	Flue Gas Mass Flow	Wood	g/s	3.8	4.3	4.6	6.4
	Average Flue Gas Temperature	Wood	°C	285	313	303	333
		Solid Fuel	°C	254	N/A	N/A	N/A

### European Min Spec for Chimney Flue - T400 N2 D 3 G50

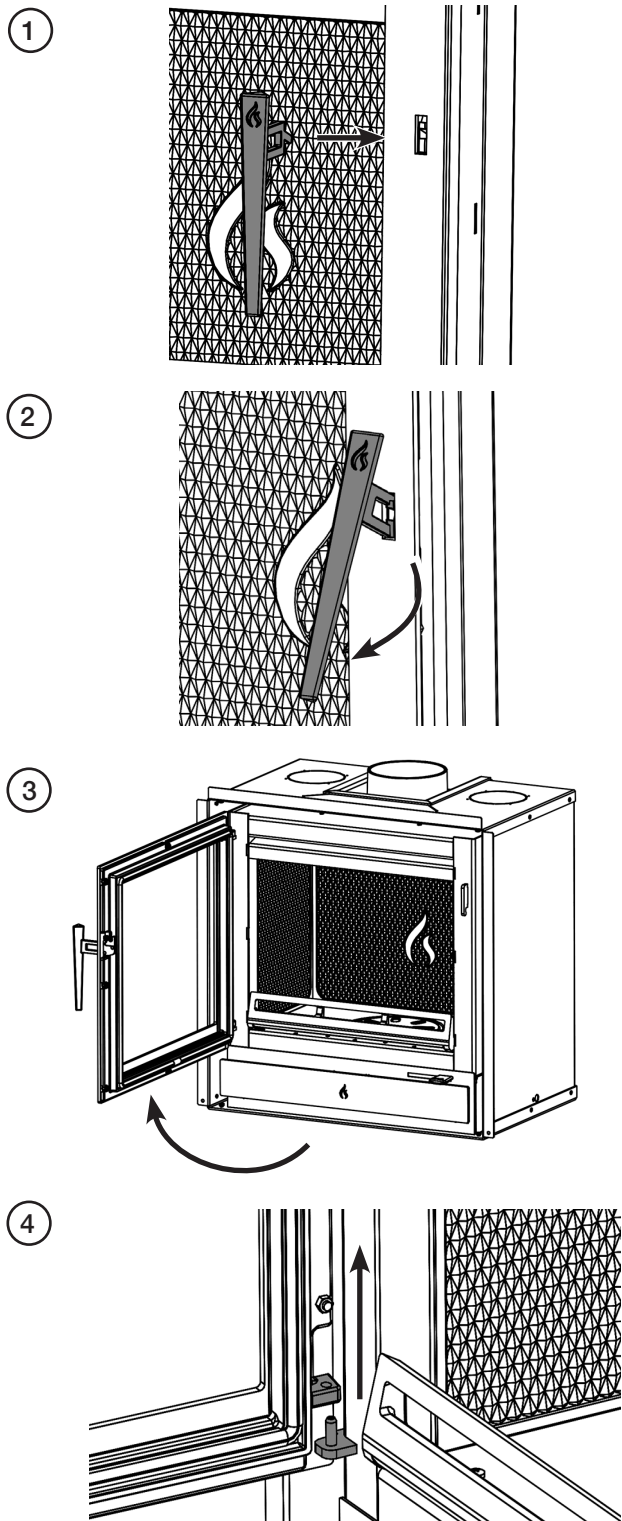
VENTILATION	A) Traditionally Built Homes		B) Modern Construction Homes				
	• Where leakage is greater than 5m <sup>3</sup> /hour/m <sup>2</sup> .		• Where leakage is less than 5m <sup>3</sup> /hour/m <sup>2</sup> .				
	• Ventilation normally required = 550mm <sup>2</sup> per kW output over 5kW		• Ventilation normally required = 550mm <sup>2</sup> per kW				
	A	Additional Ventilation	mm <sup>2</sup>	110	N/A	N/A	1705
			cm <sup>2</sup>	1.1	N/A	N/A	17.1
			in <sup>2</sup>	0.2	N/A	N/A	2.6
	B	Additional Ventilation	mm <sup>2</sup>	2860	2750	2750	4455
			cm <sup>2</sup>	28.6	27.5	27.5	44.6
			in <sup>2</sup>	4.4	4.3	4.3	6.9

For full technical details on ventilation see Technical Appendix

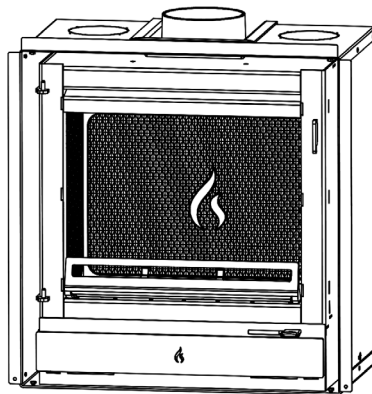
## PRE-INSTALLATION

To make the installation of the appliance easier it is best to remove the internal components before fitting into the builders opening. For the best results removing the following components as set out below.

### DOOR



5

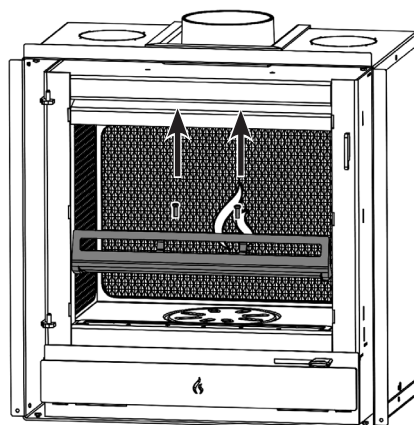


### LOG GUARD

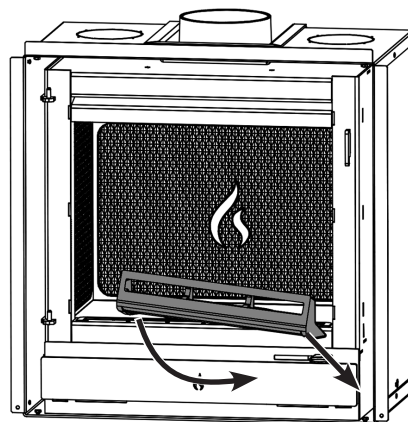
#### ALL MODELS

The Log Guard is secured with 2 x Hex Socket M5 Screws.

1



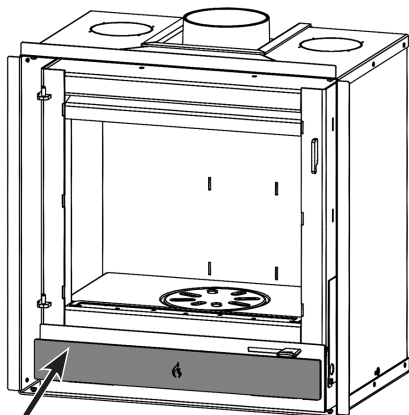
2



Do not use appliance without the log guard in position.

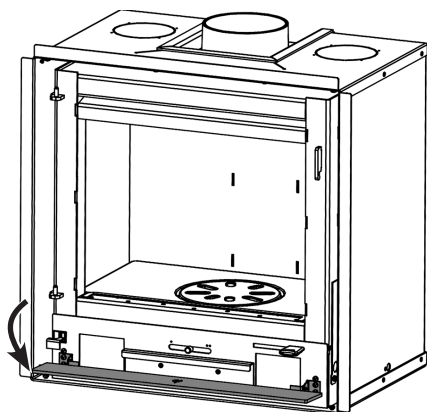
## ASH PAN

①

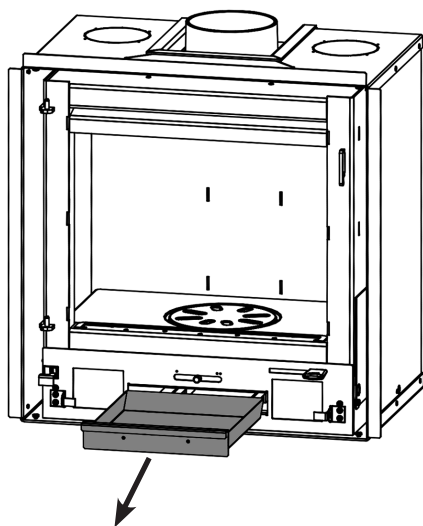


Push the ash door to open and close.

②



③

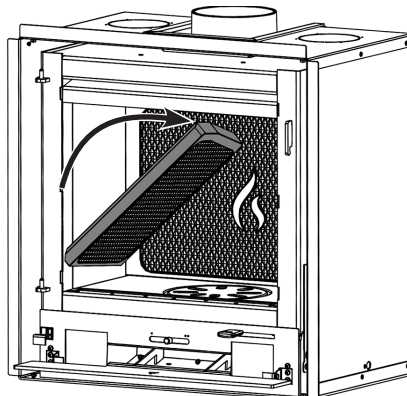


## FIREBRICKS

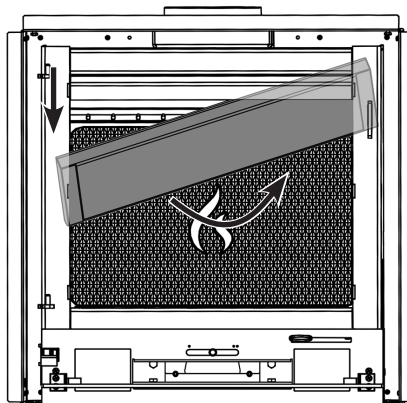
Allow the appliance to cool fully before removing.

Remove the bricks in this order.

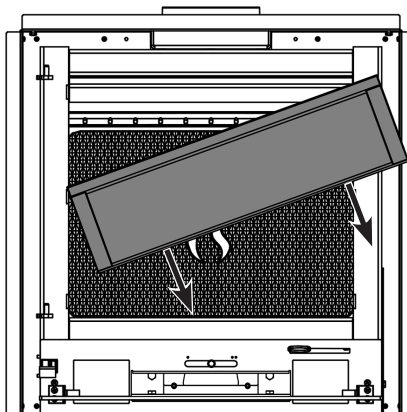
①



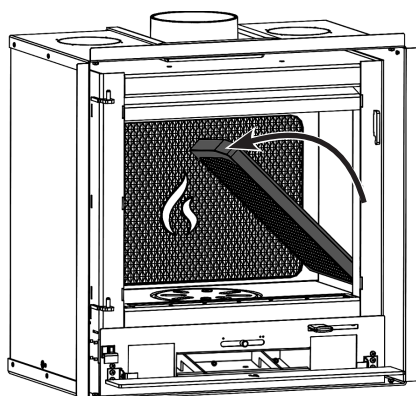
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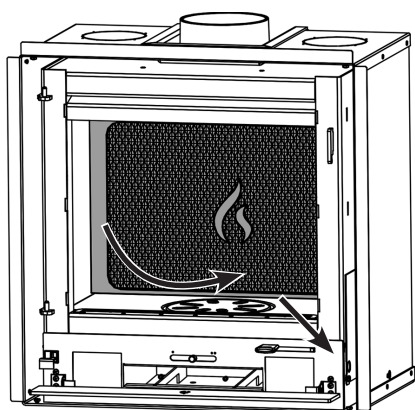
③



4



5



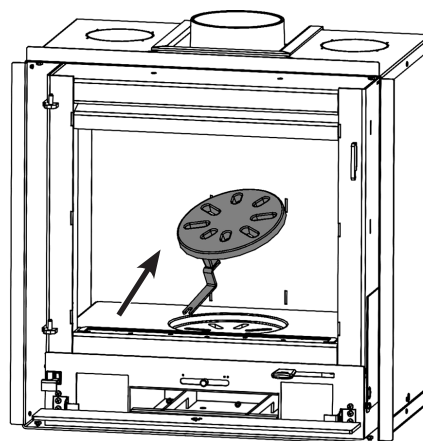
Do not operate with the firebricks removed.

## REMOVAL OF THE FIRE GRATE

To remove the Centre Grate, push from underneath to release.

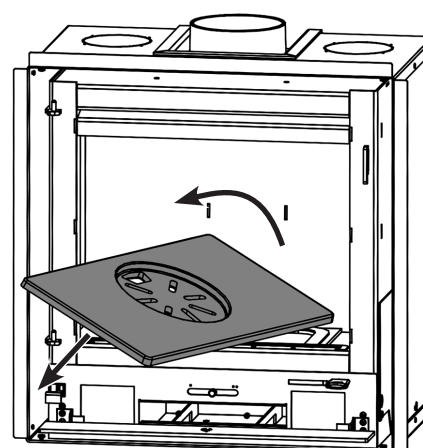
Take care to not damage the Primary Air Control pin when removing.

1



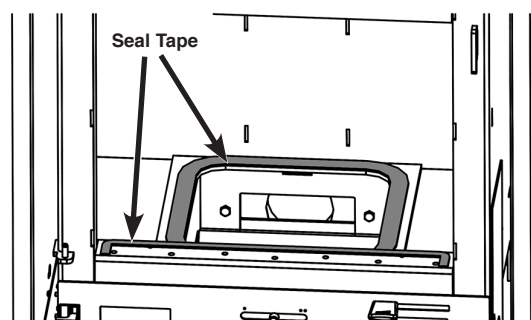
To remove the Main Grate, lift from inside the grate cutout and rotate out to clear the firebox.

2



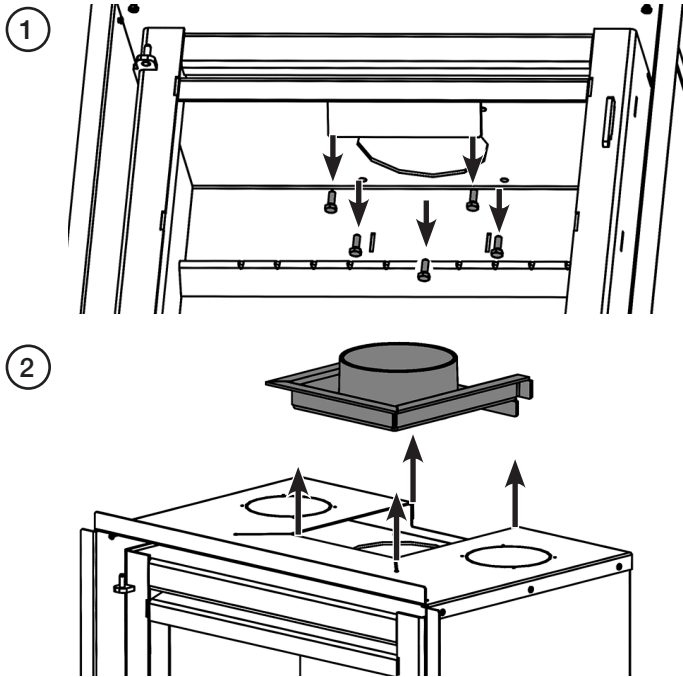
Ensure that the seal tape on the underside of the grate (20 x 2 mm) and log guard (10 x 2 mm) is in good condition and correctly fitted. If not, replace with new.

3



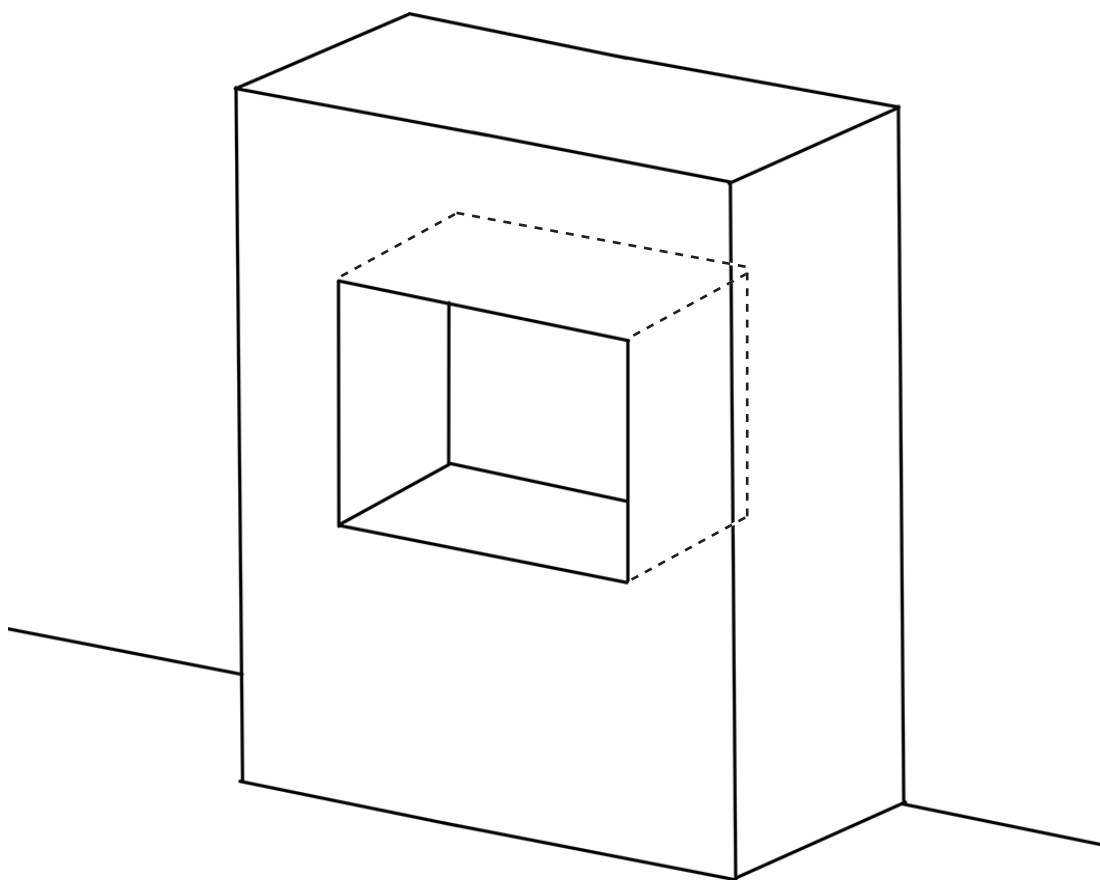
## REMOVAL OF THE FLUE COLLAR

Remove the five screws from the inside of the fire box.



## INSTALLATION

### BUILDERS OPENING



### MASONRY INSTALLATIONS

The Riva2 is designed to be installed in existing approved open hearths or non-combustible studwork chimney breasts. There must be a 10 mm air gap around the insert, to allow for the expansion of the insert when hot.

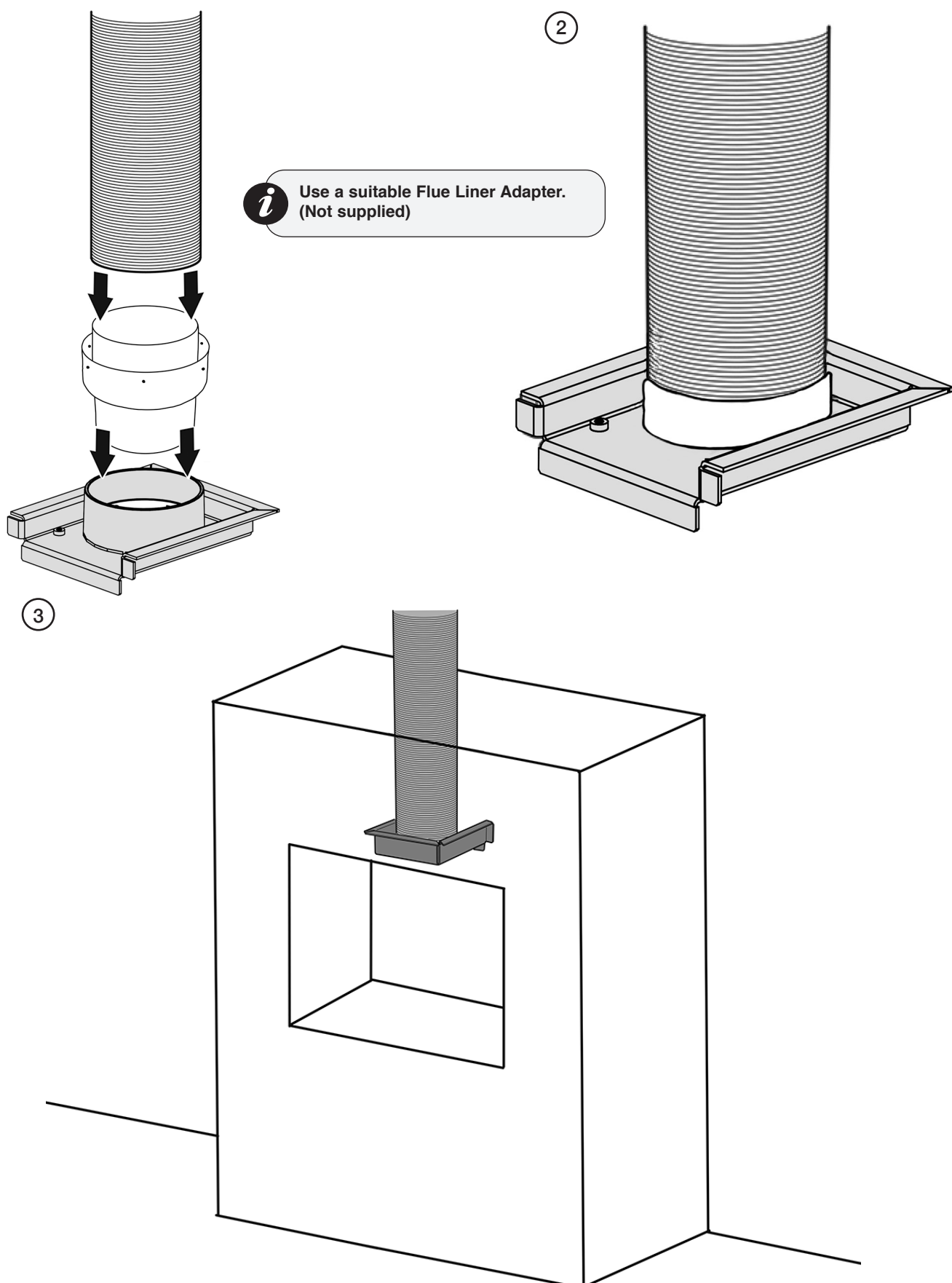
Build the chimney breast to support the cassette.

Ensure all clearances to combustible material are maintained, (see Clearance Section).

To prevent cracking ensure no joints above the appliance.

## INSTALLATION

## ALL INSTALLATIONS

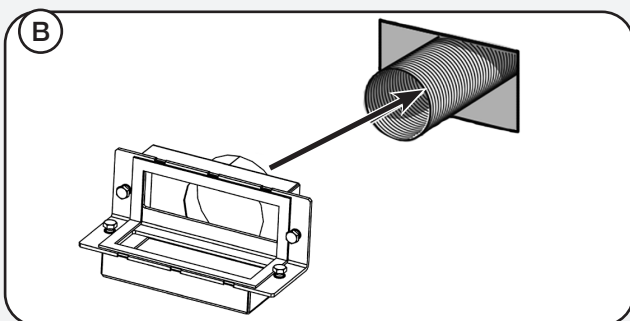
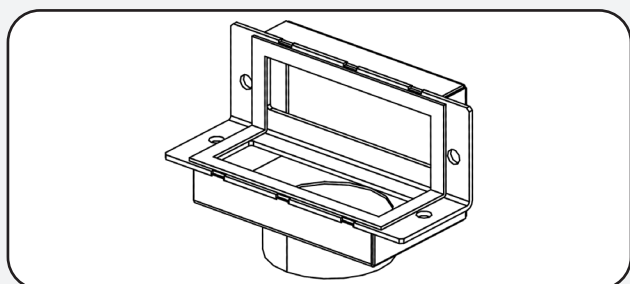
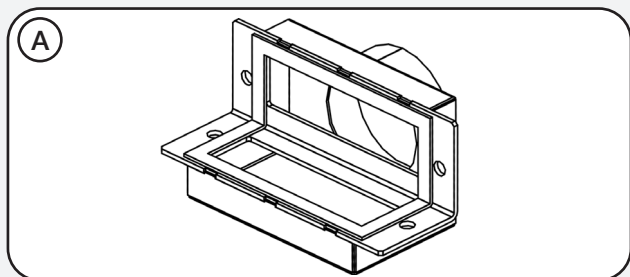


## INSTALLATION

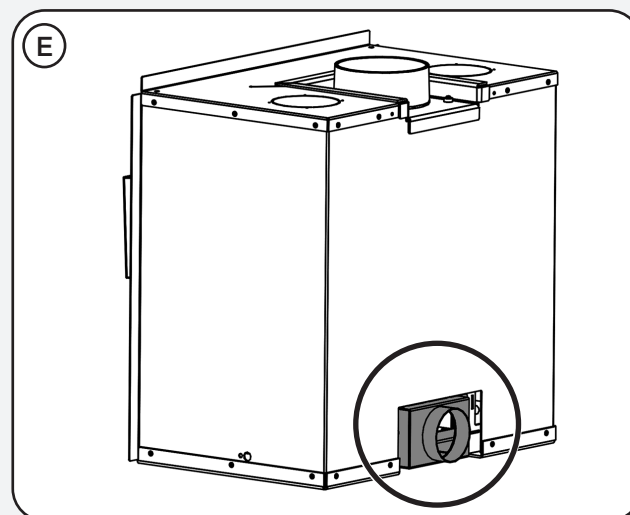
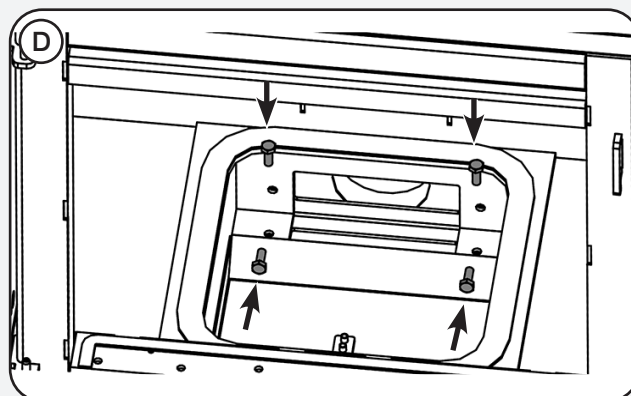
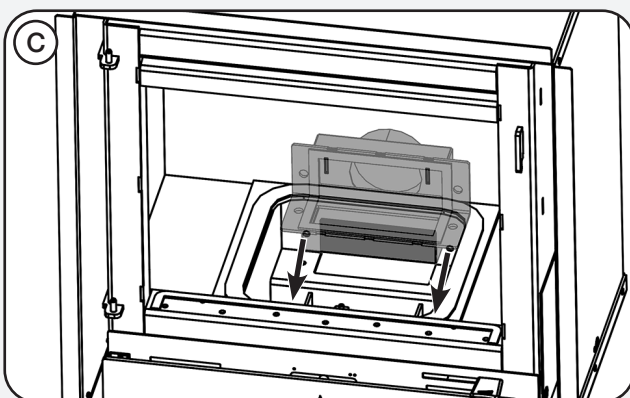
### **i** OPTIONAL - OUTDOOR AIR ADAPTER INSTALLATION

The Riva2 Outdoor Air Adapter can be installed in two configurations.

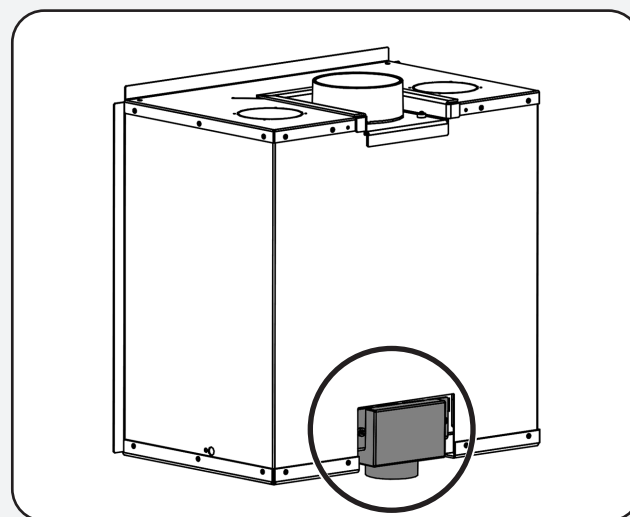
**NOTE:** if a direct external air supply is not being used, do not fit the outdoor air adapter.



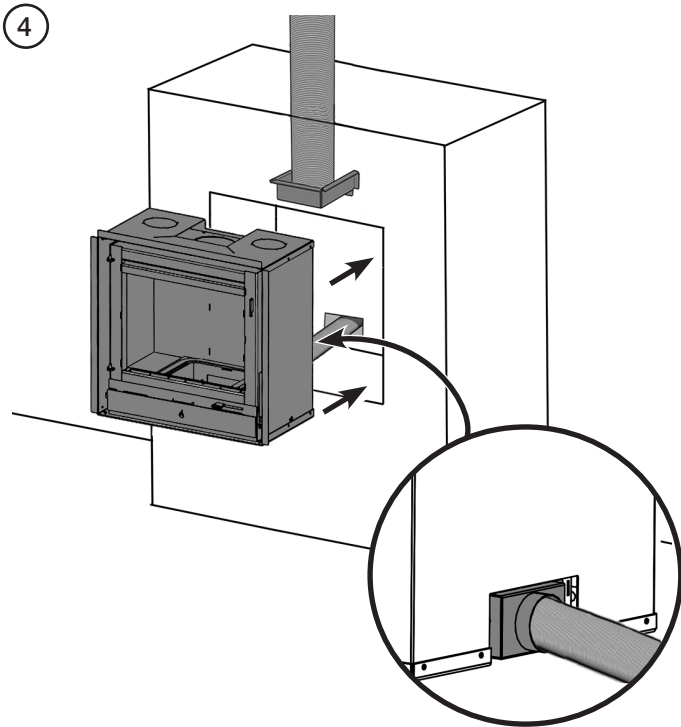
Pull the Outdoor Air Adapter forward through the cut out from behind the fire box.



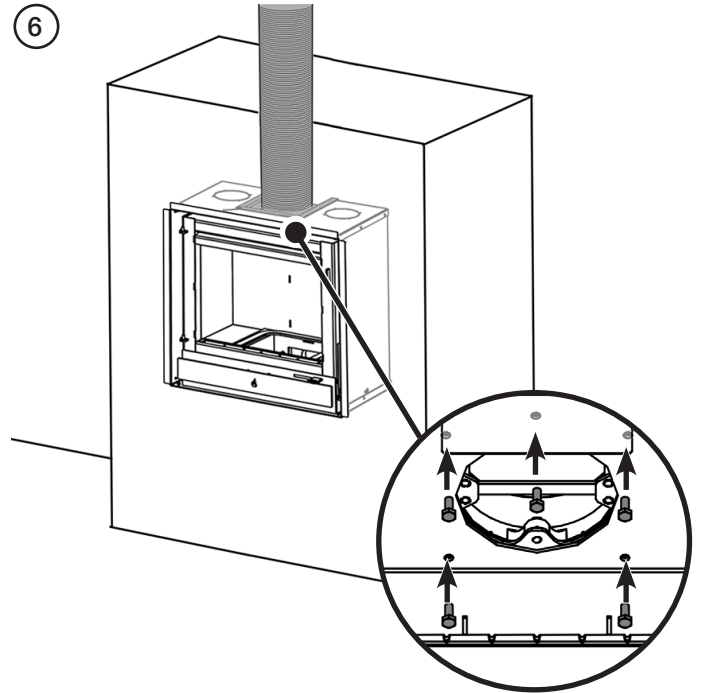
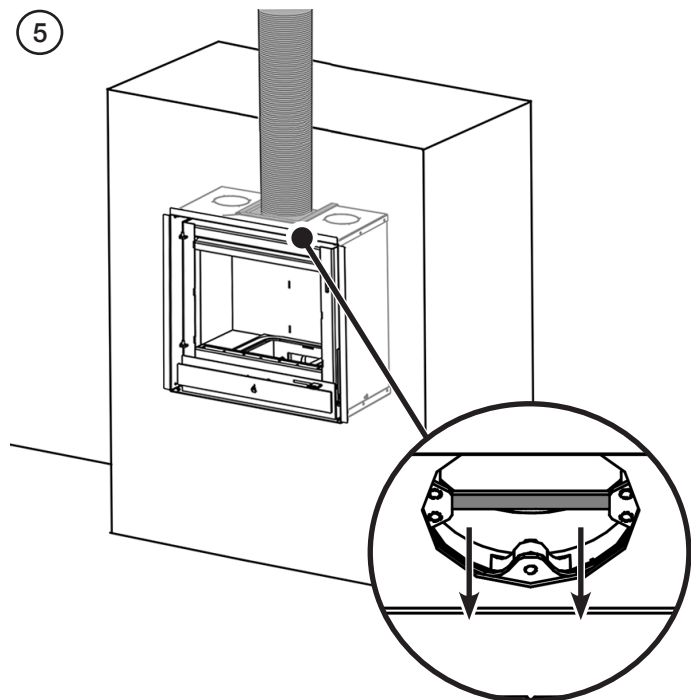
OR



# ALL INSTALLATIONS



Use the pull bar to fit the flue pipe to the appliance.

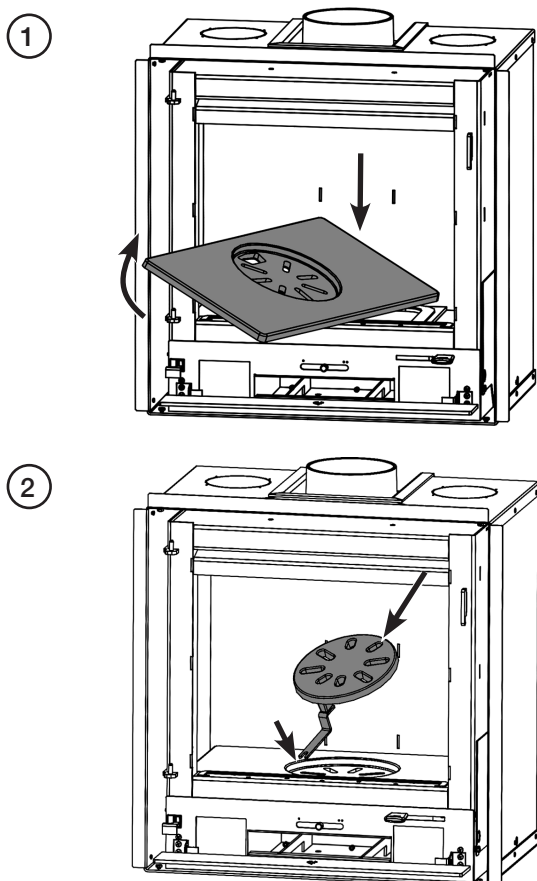


Remove bar once the flue has been secured.

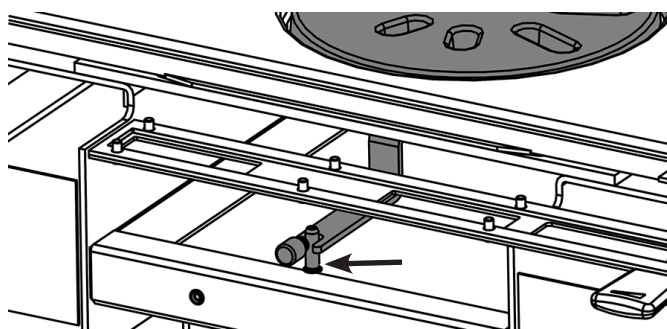
## FITTING OF INTERNAL COMPONENTS

Once the firebox has been installed the internal components can be fitted.

### MAIN AND CENTRE GRATE

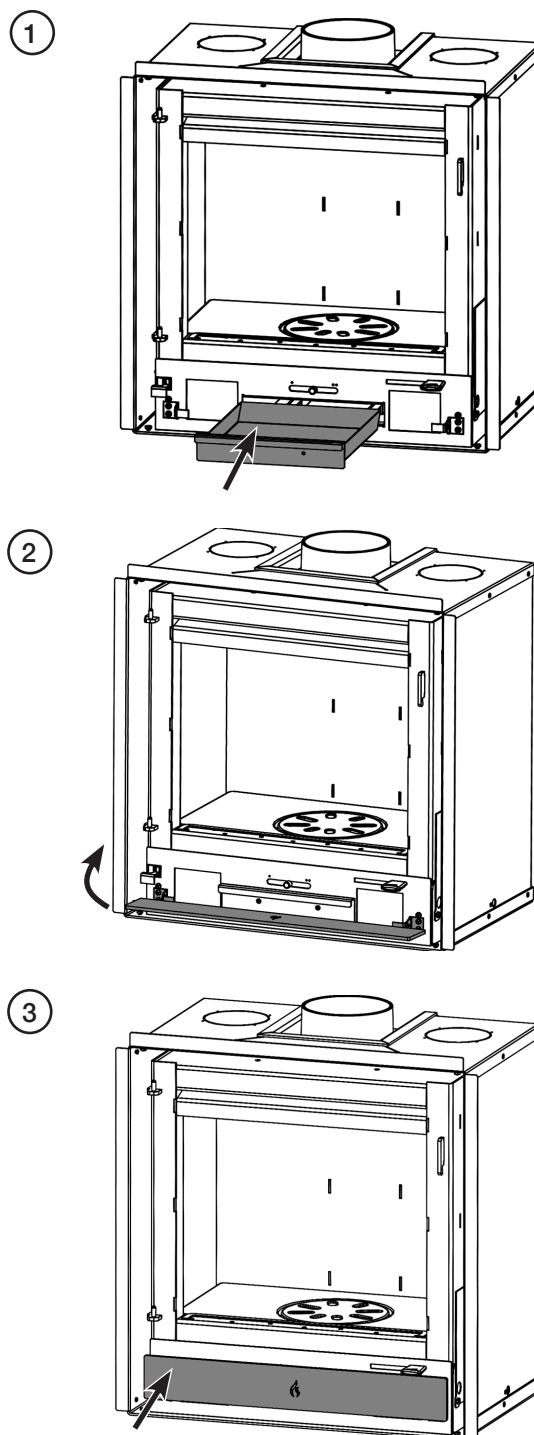


**NOTE:** When refitting, ensure the Centre Grate Arm lines up with the Primary Air Control Pin.



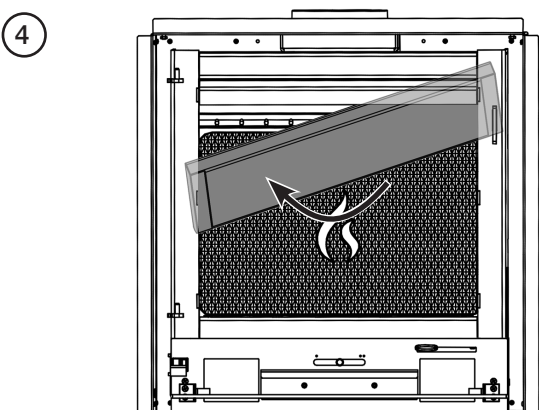
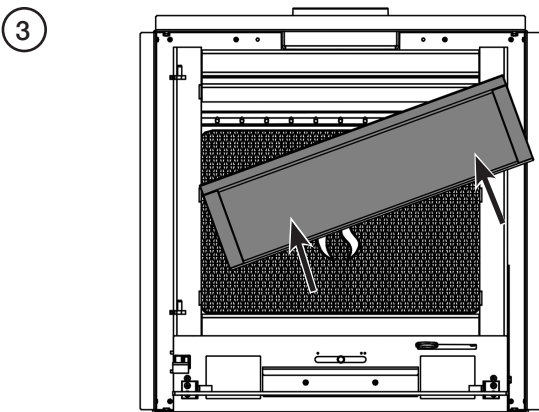
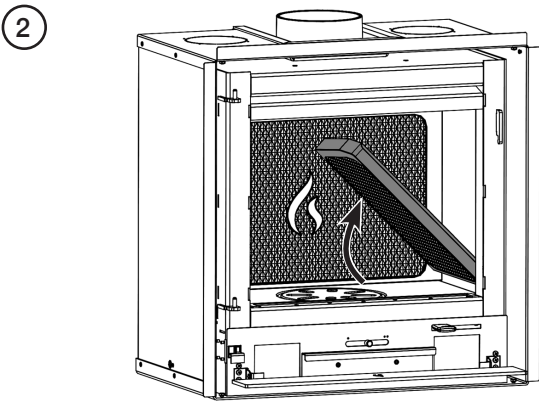
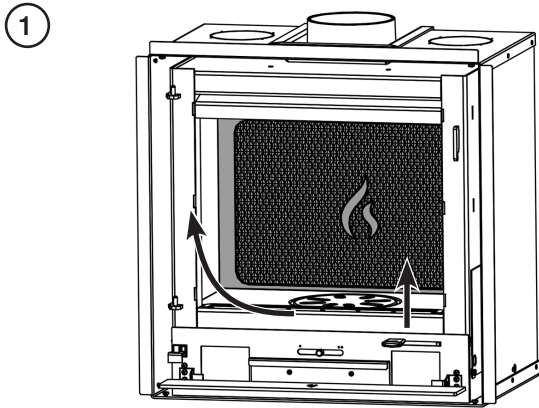
Front fascia removed for clarity.

### ASH PAN

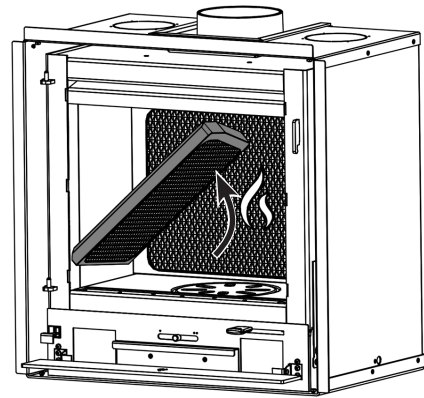


## FIREBRICKS

Fit the bricks in this order.

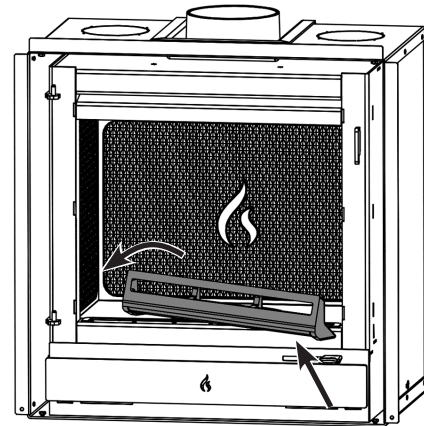


⑤



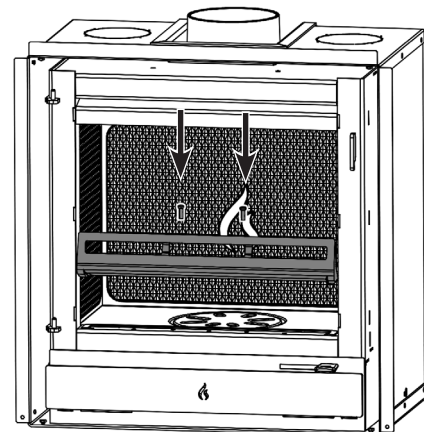
## LOG GUARD

①

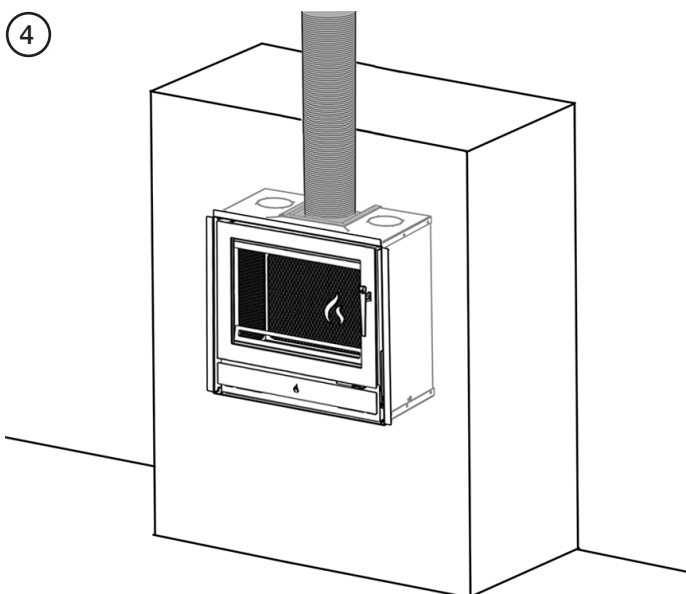
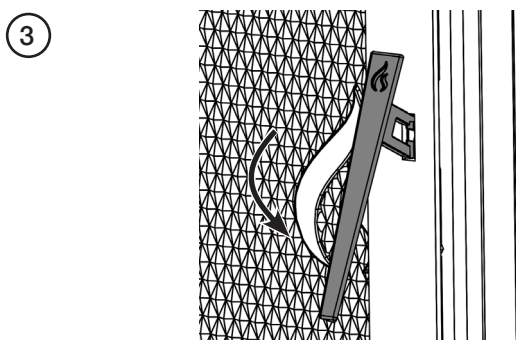
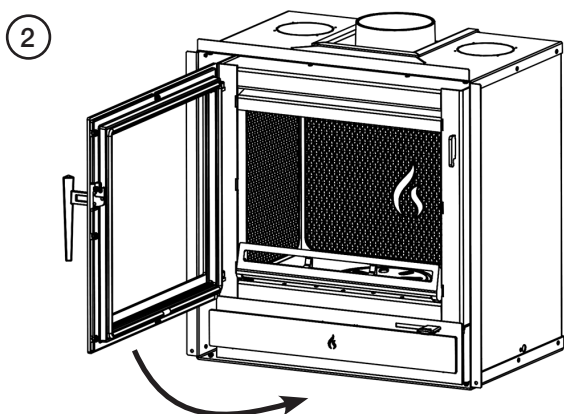
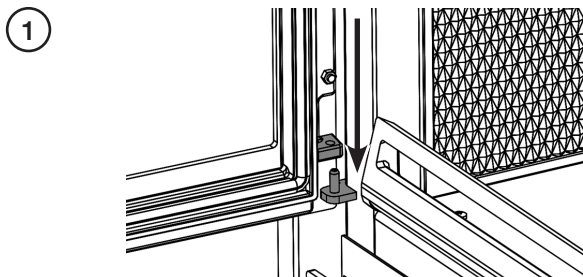


Secure the Log Guard in place using the 2 x Hex Socket M5 screws.

②



## REFITTING THE DOOR



## CO ALARMS

All open flued appliances can be affected by temporary atmospheric conditions which may allow fumes to enter the house. 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 on the installation of the carbon monoxide alarm is available in the latest edition of BS EN50292 and from the alarm manufacturer's instructions.

HETAS recommend the unit is permanently fixed in accordance with the manufacturer's installation instructions or with the guidance contained in Approved Document J where no other information is available.

Provision of an alarm must not be considered a substitute for either installing the appliance correctly or ensuring regular servicing and maintenance of the appliance and chimney system.

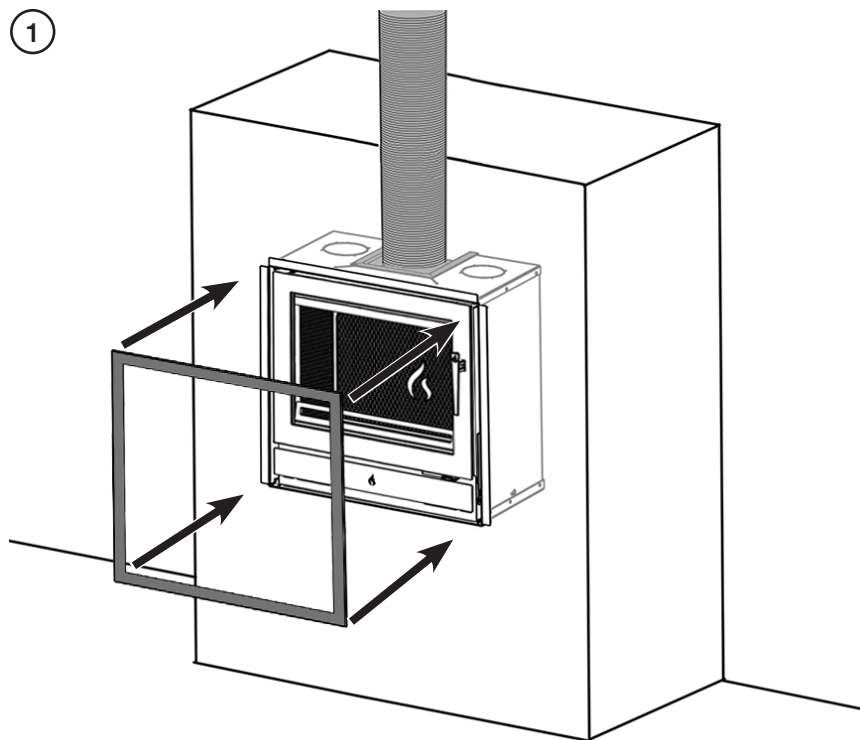
## FITTING THE FRAME

### Frame options:

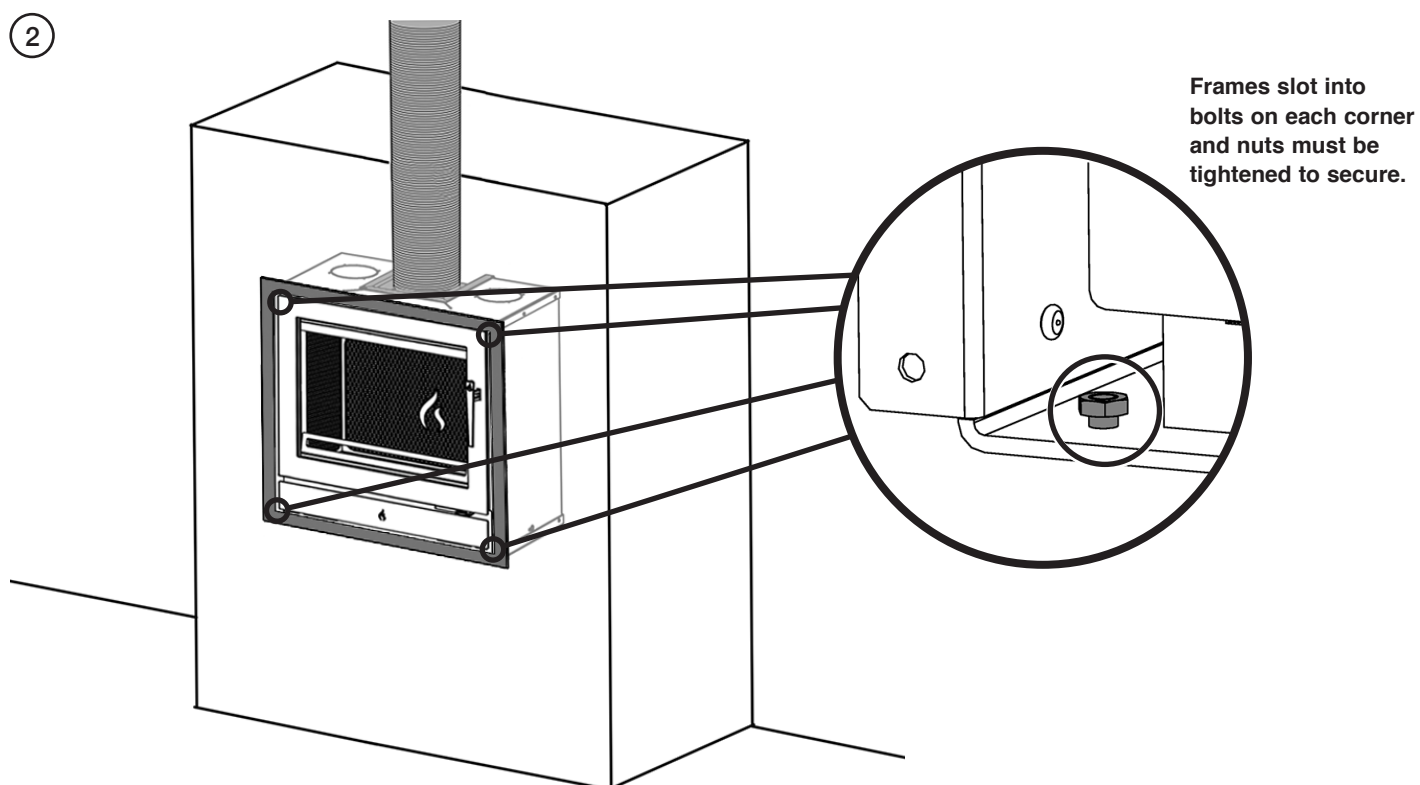
- Profil (3 or 4 sided)
- Profil XS (3 or 4 sided)

Frames are secured with 4 x M5 nuts.

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## COMMISSIONING

To commission:

- Replace the internal components.
- Check the door alignment and catch operation and adjust if required.
- Check the soundness of door seals, castings and joints.
- Check the operation of the air controls.

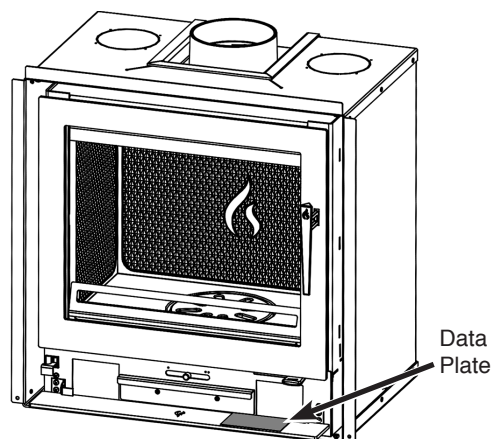
Now carry out a final smoke draw test:

- Warm the flue with a blowlamp, or similar, for about 10 minutes.
- Place a smoke pellet on the centre of the grate, with the air controls open.
- Close the door. Smoke should now be drawn up the flue and be seen to exit from the flue terminal.
- Complete test with all doors and windows closed in the room where the appliance is fitted.
- If there are any extractor fans in adjacent rooms the test must be repeated with the fans running on maximum and with interconnecting doors open.
- Check the effect of ceiling fans during the test.

If excessive spillage occurs allow the appliance to cool and re-check the flue system and ventilation.

Finally:

- Explain to the user the correct operation of the appliance, use of the controls and the importance of only using suitable fuels in order to reduce smoke emissions - particularly if they live in a Smoke Control Area.
- Ensure that a CO alarm has been fitted and make the user aware of its operation and importance, referring them to the Warning section of the User Instructions.
- Explain the cleaning and routine maintenance requirements.
- Explain the requirement to use a suitable fireguard when children, elderly or infirm persons are near the appliance.
- Record retailer/supplier and installer details in Appliance Commissioning Checklist.
- Record serial number in Appliance Commissioning Checklist. The serial number is found on the appliance data plate.



This number is required when ordering spare parts and making warranty claims.

- Give this instruction manual to the customer.

## SERVICING

For a complete list of spare parts and accessories contact your Stovax Retailer or visit [www.stovaxspares.co.uk](http://www.stovaxspares.co.uk)

Before the start of the heating season strip, inspect and clean the appliance as detailed:

- Allow appliance to cool.
- Remove all internal parts: baffle, log guard, cast bases and firebricks.  
Take care handling firebricks as they can become fragile after a period of use.
- Sweep the appliance at this point if necessary.
- Vacuum clean any remaining ash and debris from the inside of the appliance. Stovax offer a filter/collection attachment for vacuum cleaners to protect them from fire ash: Ash Clean (Stovax Part No. 2091).
- Check the parts for any damage. Replace any damaged parts using genuine Stovax replacements parts.
- Check and clean the firebricks with a soft brush.  
Some surface damage will occur during use. The life of the bricks will depend on the type of fuels burnt and the level of use.  
**Replace damaged bricks as soon as possible.**
- Re-fit cleaned internal parts.
- **Use Stovax Glass Cleaner (Stovax No.4103) which is better formulated for this application.**  
  
**Do not use abrasive cleaners to remove tar or soot deposits from the glass.**
- Fit new door rope seal.
- Lightly oil the door catch mechanism and hinge pins. Avoid getting oil onto the door seals and glass.
- To refresh painted finishes a touch up spray is available.  
Contact your Stovax retailer quoting the serial number found on the appliance data badge.

Use genuine Stovax replacement parts to keep the appliance in safe, efficient working order. This is a list of the maintenance products that may need be required:

Products to assist in the cleaning and maintenance of your Riva 2 are available online at [www.stovax.com](http://www.stovax.com) or from your local Stovax dealer which, along with regular maintenance and use of correct fuels, will keep the appliance in the best possible condition.

For more information about the Stovax Group products please visit our web site at [www.stovax.com](http://www.stovax.com)

Burn at a low temperature for the first day of use after any maintenance. This allows the seals, fixing glues and paint to fully cure.

During this time the appliance may give off some unpleasant odours. Keep the room well ventilated to avoid a build-up of fumes.

Your Stovax dealer can carry out service and maintenance.

## SERVICING AND SUPPORT



### Servicing and Support

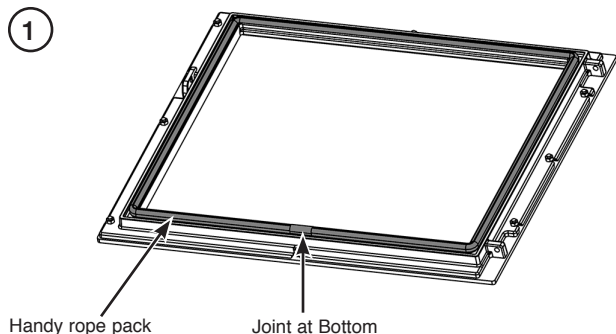
To keep your appliance looking and performing at its best, it must be serviced annually. This service must be undertaken by a suitably qualified individual and your retailer can organise this for you. Alternatively, Stovax offer a manufacturers premium service with our friendly team of qualified engineers which can be booked at [www.stovax.com/support](http://www.stovax.com/support)

TASK	PRODUCT NAME	NO.
Preventing build-up of creosote in flue	Protector (15 sachets)	7002
	Protector (1kg tub)	7025
Sealing flue pipe joints	Fire Cement (500g tub)	2024
	Fire Cement (600g cartridge)	2021
Re-painting	Touch Up Paint (400ml aerosol)	2105-1
Protecting your hands	Heat resistant gloves	4008
Thermic seal glue	(50ml bottle)	5037
Cleaning Glass	Stovax Glass Cleaner	4103
Ash Clean	Vacuum Cleaner Attachment	2091M

**i** **IMPORTANT: Stovax provide gauntlet style gloves for the users protection from heat and any sharp edges when using the appliance.**  
**For your safety ensure that gloves are always worn when opening, operating, refuelling or handling internal metalwork.**

## FITTING A NEW DOOR SEAL

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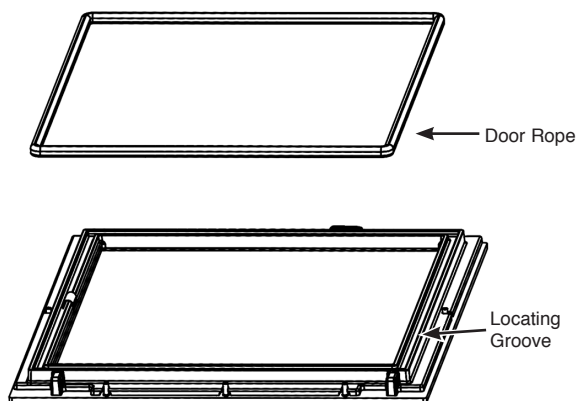
To maintain the safe use of the appliance damaged or worn door sealing rope must be replaced.

**NOTE: Some discolouration and flattening of the seal will occur in normal use and this does not indicate a damaged seal.**

To complete this operation remove the door see the Pre-Installation section.

Remove the old rope and scrape old glue from the locating groove. Clean the locating groove with a clean dry cloth to remove all old dust and debris.

②



Squeeze a generous bead of fresh Stovax Thermic Seal glue into the rope locating groove.

Gently press the new Stovax rope into the locating groove, taking care not to stretch the rope. Place the joint in the middle of the bottom edge of the door using tape supplied for the ends.

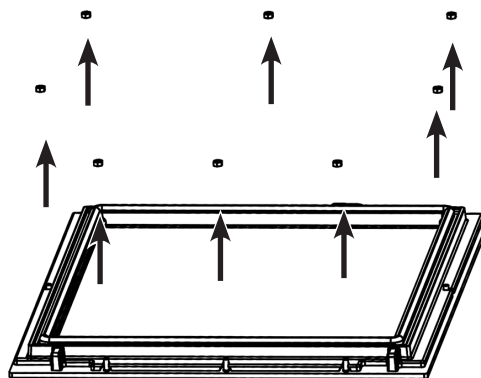
Refit the door and close the door to apply pressure to the new rope.

Leave the appliance closed for at least 12 hours before lighting the appliance and using at a low output for approximately one day.

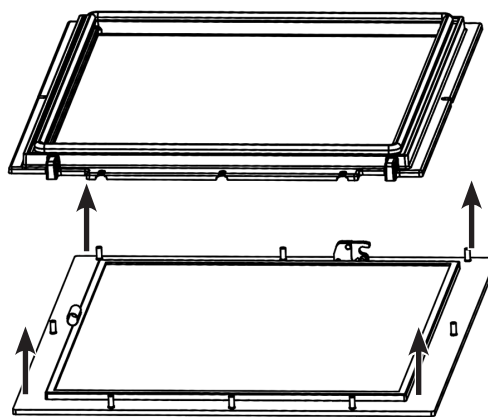
Using the appliance with a damaged door seal can cause dangerous fumes to enter the room, or the appliance to over fire, resulting in damage.

## REPLACING THE GLASS

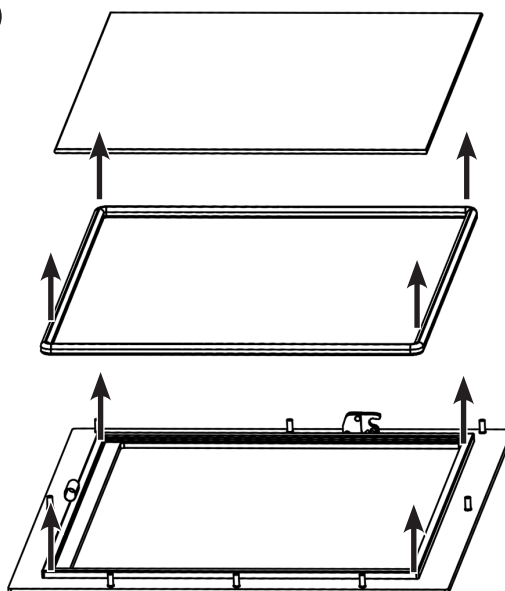
①



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③



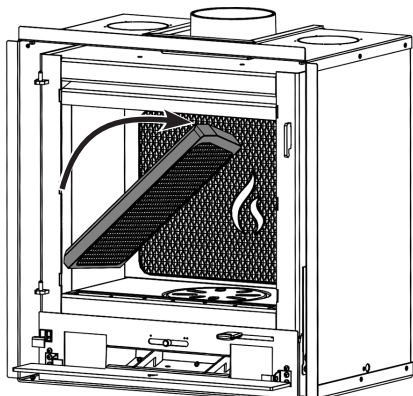
Replace in reverse order.

## REMOVAL OF THE FIREBRICKS

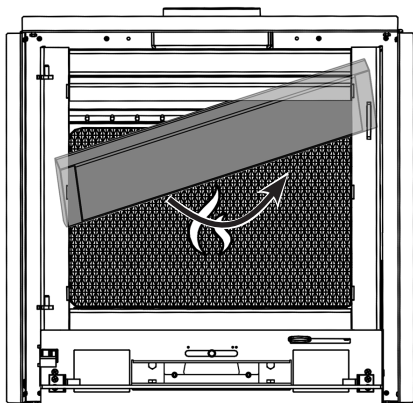
Allow the appliance to cool fully before removing.

Remove the bricks in this order.

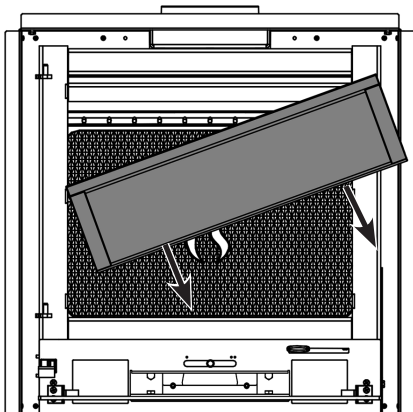
1



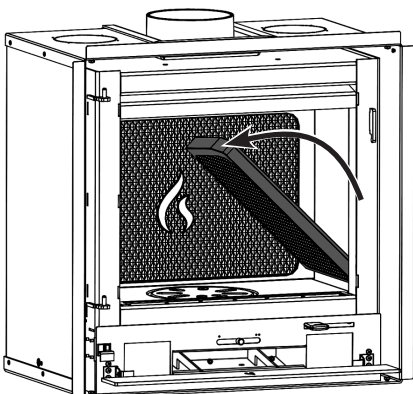
2



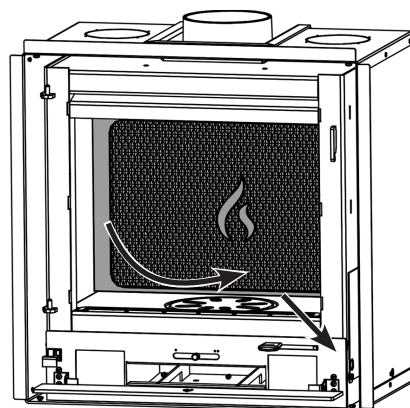
3



4



5



Do not operate with the firebricks removed.

## DO A PAPER TEST

To do a paper test shut a piece of paper in the door at the edges to test how well the rope seal stops the air from entering the appliance. If the paper can be pulled out easily then the seal is not sufficient and the rope must be replaced.

Repeat this around all the edges of the door.

On the hinge side of the door it is easier to feed a slightly curled piece of paper between the door and the edge frame.

## PRODUCT FICHE - INFORMATION REQUIREMENT FOR SOLID FUEL LOCAL SPACE HEATER

Model	Riva2 40	Riva2 50	Riva2 55	Riva2 66
Direct Efficiency Class	A+	A	A	A
Direct Heat Output (kW)	4.9	5.0	5.0	8.1
Indirect Output (kW)	-	-	-	-
Energy Efficiency Index (EEI)	108	103	103	102
Useful Energy Efficiency at Nominal Heat Output	80.5	77.4	77.1	76.5
Safety Precautions	Appliance must be installed, Used and Maintained in accordance with the manufacturers instructions supplied			

## PRODUCT MATERIAL INFORMATION

The following substances, preparations or components should be disposed of or recovered separately from other WEEE in compliance with Article 4 of EU Council Directive 75/442/EEC.

Metal	Steel	Can be taken to a local recycling centre for reuse to reduce waste going to landfill.
	Cast iron	
Glass		Can be taken to a local recycling centre for reuse to reduce waste going to landfill.
Vermiculite linings		Non hazardous material. Vermiculite can be crushed up and used for plant bedding and ash used for composting or disposed of at a local recycling centre for reuse to reduce waste going to landfill.
Rope seals		Rope seals are made from Refractory Ceramic Fibre (RCF), a material which is commonly used for this application. Protective clothing is not required when handling these articles, but it is recommended to follow normal hygiene rules of not smoking, eating or drinking in the work area and always wash hands before eating or drinking. When servicing the appliance it is recommended that the replaced items are not broken up, but are sealed within heavy duty polythene bags and labelled as RCF waste. RCF waste is classed as stable, non-reactive hazardous waste and may be disposed of at a licensed landfill site.
Electrical components	(Fan kits etc if applicable)	Dispose of at a local recycling centre in accordance with the WEEE directive.

## TECHNICAL APPENDIX

### LEGAL REQUIREMENTS

Before installation and/or use of this appliance please read these instructions carefully to ensure that all requirements are fully understood.

**The appliance must be fitted by a registered installer, or approved by your local building control officer.**

It is very important to understand the requirements of the national Building Regulations and standards, along with any local regulations and working practices that may apply. Should any conflict occur between these instructions and these regulations then the regulations must apply.

Your local Building Control Office can advise regarding the requirements of the regulations.

Works must be carried out with care to meet the requirements of Health and Safety and comply with the Health and Safety rules, and any new regulations introduced during the lifetime of these instructions. Particular attention should be drawn to:

- **Handling:** The appliance is heavy. Adequate facilities must be available for loading, unloading and on site handling.
- **Fire Cement:** Some fire cement is caustic and must not come into contact with the skin. Protective gloves must be worn. Wash hands thoroughly with plenty of water after contact with skin.
- **Asbestos:** This appliance contains no asbestos. If there is the possibility of disturbing any asbestos in the course of installation seek specialist guidance and use appropriate equipment.
- **Metal Parts:** Take care when installing or servicing the stove to avoid personal injury.

**A faulty installation can cause danger to the inhabitants and structure of the building.**

#### **For users of this appliance:**

Your building insurance company may require you to inform them that a new heating appliance has been installed on your property. Check that your cover is still valid after installing the appliance.

### FLUE OR CHIMNEY

The flue or chimney system must be in good condition. It must be inspected by a competent person and passed for use with the appliance before installation.

Products of combustion entering the room can cause serious health risks.

The following must be checked:

- The construction of the masonry chimneys, flue block chimneys and connecting flue pipe system must meet the requirements of the Building Regulations.
- A flexible flue liner system can be used if certified for use with solid fuel systems and installation complies with manufacturer's instructions and Building Regulations.

The flue liner must be replaced when an appliance is replaced, unless proven to be recently installed and in good condition.

- If it is necessary to fit a register plate it must conform to the Building Regulations.
- The minimum height of the flue or chimney must be 4.5m from the hearth to the top of the flue, with no horizontal sections and a maximum of 4 bends. Bends must have angles of less than 45 degrees from the vertical.
- There should be at least 600mm of vertical flue pipe above the appliance before any bends are introduced.
- Ensure the connecting flue pipe is kept a suitable distance from any combustible material and does not form part of the supporting structure of the building.
- The installer must ensure the flue pipe diameter is not less than the diameter of the outlet of the appliance and does not narrow to less than the size of the outlet at any point in the system.
- Make provision to remove the appliance without the need to dismantle the chimney.
- Any existing flue must be confirmed as suitable for the new intended use as defined in the Building Regulations.
- The flue or chimney systems must be inspected and swept to confirm the system is structurally sound and free from obstructions.
- If the chimney is believed to have previously served an open fire it must be swept a second time within a month of regular use after installation to clear any soot falls that may have occurred due to difference in combustion levels.
- The flue exit from the building must comply with local building control rules.
- Chimney heights and/or separations may need to be increased in particular cases where wind exposure, surrounding tall buildings, high trees or high ground could have adverse effects on flue draught.
- Do not connect or share the flue or chimney system with another heating appliance.

Do not connect to systems containing large voids or spaces over 230mm square.

Suitable access must be provided to enable the collection and removal of debris.

The flue must be swept and inspected when the appliance is installed.

#### **Flue Draught**

The flue draught must be checked with all windows and doors closed and any extraction fans in this, or adjoining rooms, running at maximum speed (see Installation Checklist for ventilation requirements).

## TWIN WALL FLUE SYSTEM

If this appliance is to be used in conjunction with a twin wall flue system then Stovax recommend the use of their Professional XQ range. Details of this product are available from your Stovax retailer.

## VENTILATION

Many older buildings are sufficiently ventilated by natural leakage of air to provide suitable air supply for an appliance of 5kW output or less.

Modern building techniques have reduced the amount of air that leaks in or out of a house. A modern construction with an air tightness of less than 5m<sup>3</sup> per hour per m<sup>2</sup> requires an air vent for **ALL** solid fuel appliances including those with a rated heat output of less than 5kW.

NOTE: The air leakage of a modern house is tested at the completion of construction and a certificate issued confirming this.

This appliance requires a constant supply of air to maintain proper combustion and effective flue performance.

An inadequate air supply can result in poor combustion and smoke entering the room which is potentially dangerous.

This supply of air can come from either:

- Purpose provided ventilation.
- Some Stovax appliances can also be fitted with an optional outdoor air kit which allows air to be drawn in from the outside.

The amount of air required must comply with local building regulations and the rules in force.

If vents open into adjoining rooms or spaces there must be an air vent of at least the same size direct to the outside.

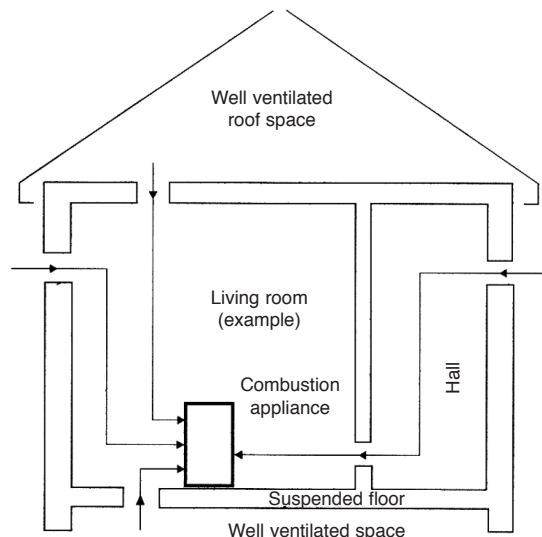
Site the vents where cold draught is unlikely to cause discomfort. This can be avoided by placing vents near ceilings or close to the appliance (See diagram).

Extractor fans, cooker hoods and other heating devices placed in the same room or space as the appliance, may cause problems. Extra ventilation must be installed as per each appliance requirements.

The appliance shall not be installed with ventilating systems which have pressure below -15Pa

Increase air supply provisions where a room contains multiple appliances.

**If any checks reveal problems do not proceed with the fitting of the appliance until they have been rectified.**



## BUILDERS OPENING

Many fireplace openings have a supporting lintel. Remove the covering plaster to identify its position before starting any constructive work. Do not remove constructional lintels without making provision to support the remaining structure of the building. The appliance must not form any part of the supporting structure.

The chimney/flue must have a sealed connection to the appliance flue spigot.

The structure of the builders opening will reach high temperatures. Use insulating blockwork to reduce the heat transfer to the external walls.

Take care when finishing the chimney breast and surrounding area. The conducted and convected heat emitted by the appliance could be high enough to crack normal plaster. Use a high temperature plaster, or face the area with a suitable non combustible board avoiding any joints above the appliance. New plaster should be fully dried before the appliance is used, or cracking could occur.

If you are in any doubt about your ability to produce a safe opening contact your Stovax dealer for professional advice.

## FIRE SURROUND CLEARANCES

We recommend you obtain expert advice before proceeding with work of this nature.

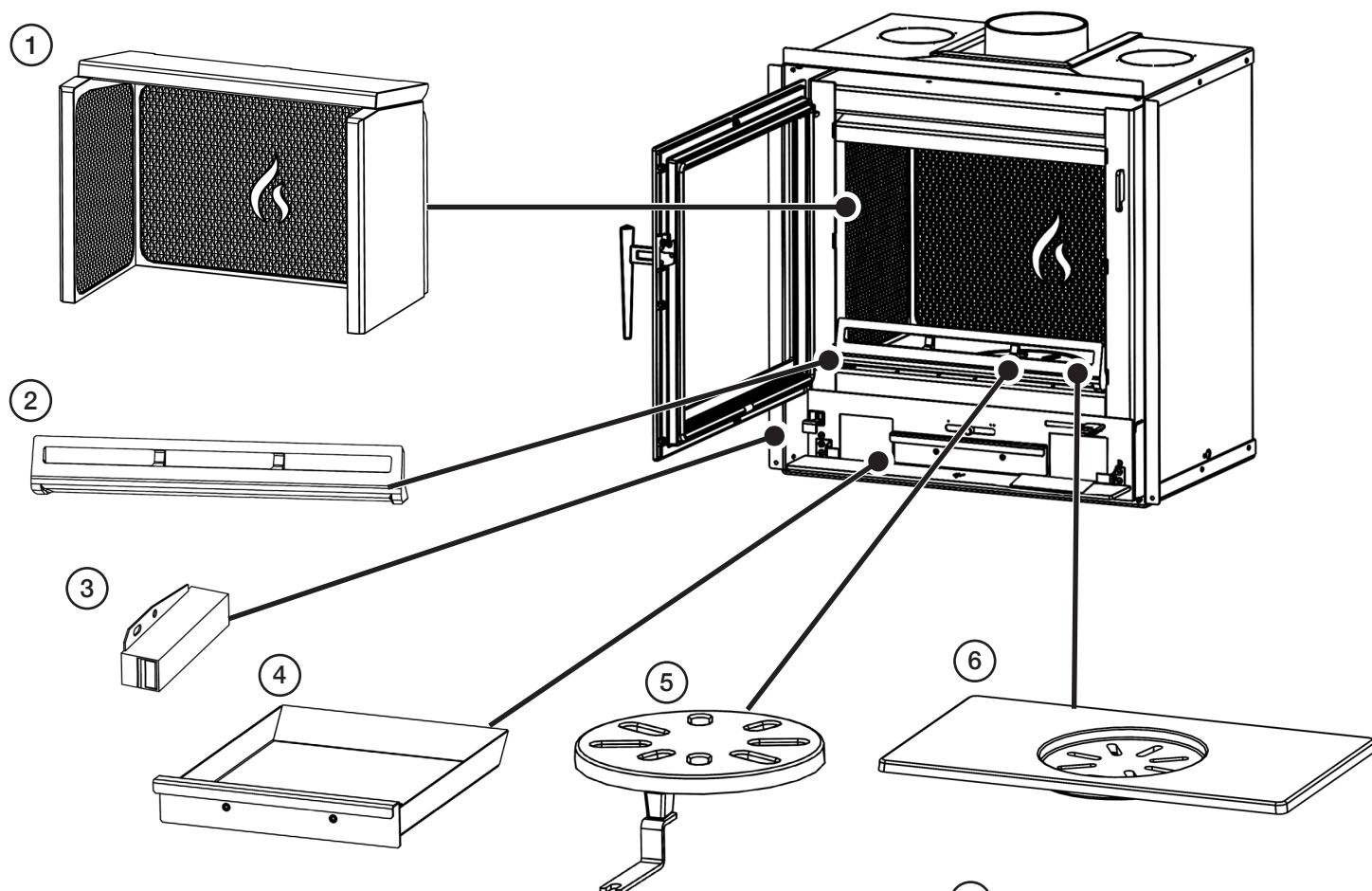
Some finishes may discolour with heat and some lower quality products may distort, or crack, when in use.

If stone / granite / marble or any other natural material is used to construct the fire surround, or any part of it, provision should be made for expansion and movement of the parts due to heating and cooling.

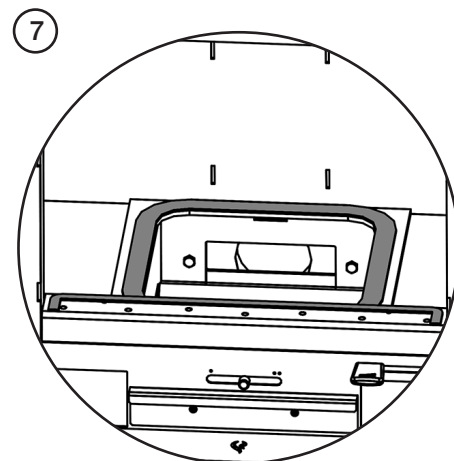
If you are in any doubt about the installation requirements, or suitability of fire surrounds contact your Stovax dealer.

All fire surrounds should be suitable for use with solid fuel heating products.

## SPARE PARTS



REF.	DESCRIPTION	PART CODE			
		RIVA2 40	RIVA2 50	RIVA2 55	RIVA2 66
1	Brick Assembly	MEC12131	MEC12132	MEC12133	MEC12134
2	Log Guard	CA8007	CA8009	CA8009	CA8012
3	Ash Door Catch	RVAC027	RVAC027	RVAC027	RVAC027
4	Ash Pan	MEC12110	MEC12110	MEC12110	MEC12110
5	Centre Grate	MEC12111	MEC12111	MEC12111	MEC12111
6	Main Grate	CA8014	CA8015	CA8015	CA8016
7	Rope Seals	5" Flue Exit Seal	CE8432	CE8432	CE8432
		Centre Grate Seal	4998	4998	4998
		Log Guard Seal	4949	4949	4949

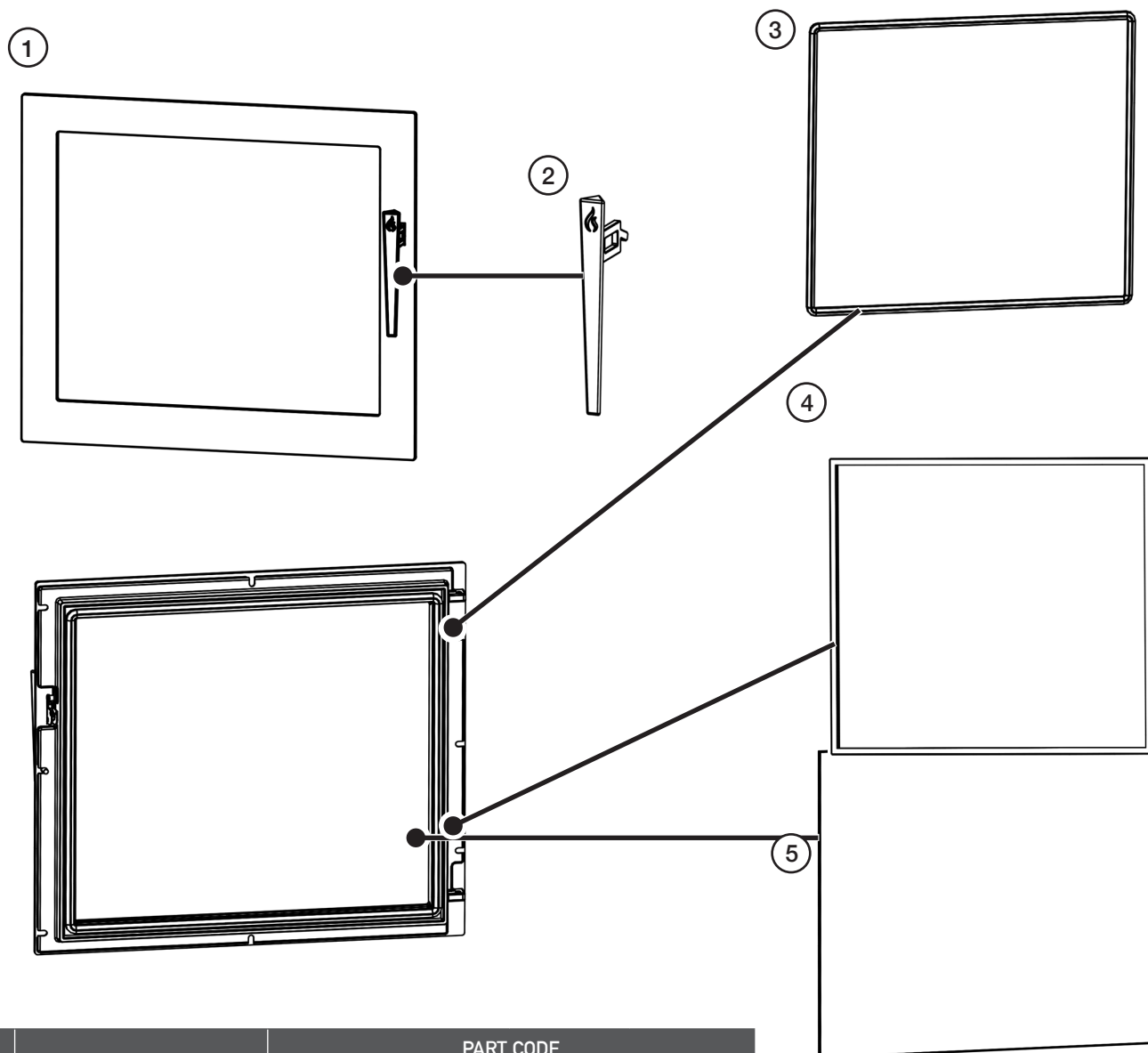


### Fixings required

These can be obtained via a local hardware merchant:

- M5 x 16 Cap Head Screw x 2
- M5 x 8 Pozi Pan HD Screw x 2
- M4 x 5mm LG Pozi Pan HD 2/PLT M/Screw x 6
- M6 x 16 Hex Head x 5

## DOOR ASSEMBLY



REF.	DESCRIPTION	PART CODE			
		RIVA2 40	RIVA2 50	RIVA2 55	RIVA2 66
1	Complete Door Assembly	MEC12041	MEC12062	MEC12078	MEC12093
2	Door Handle	CA8013	CA8013	CA8013	CA8013
3	Door Rope	4995	4995	4995	4995
4	Glass Rope	4950	4950	4950	4950
5	Door Glass	CE8577	CE8581	CE8584	CE8587

Fixings required

These can be obtained via a local hardware merchant:

- M5 Self Locking Flange Nut (Serrated) x 8



Due to continual technical improvements please check online or with your Stovax retailer for the most up to date parts lists.

Only use Genuine Stovax spares when servicing your appliance.

All of our essential spare parts and consumable items are available to purchase from our webshop at [www.stovaxspares.com](http://www.stovaxspares.com).

## SERVICE RECORDS

**1ST SERVICE**

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/HETAS Registration Number

**3RD SERVICE**

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/HETAS Registration Number

**5TH SERVICE**

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/HETAS Registration Number

**7TH SERVICE**

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/HETAS Registration Number

**9TH SERVICE**

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/HETAS Registration Number

**2ND SERVICE**

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/HETAS Registration Number

**4TH SERVICE**

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/HETAS Registration Number

**6TH SERVICE**

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/HETAS Registration Number

**8TH SERVICE**

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/HETAS Registration Number

**10TH SERVICE**

Date of Service:.....

Next Service Due:.....

Signed:.....

Dealer's Stamp/HETAS Registration Number









**FOR ENQUIRIES IN THE U.K (EXCLUDING NI):**

**Stovax Ltd, Falcon Road, Sowton Industrial Estate, Exeter, Devon, England EX2 7LF**

**Tel: (01392) 474011 E-mail: [info@stovax.com](mailto:info@stovax.com) [www.stovax.com](http://www.stovax.com)**

**FOR ENQUIRIES IN EUROPE (INCLUDING NI):**

**Stovax Heating Group (NI) Ltd (Comp reg NI675194), 40 Linenhall Street, Belfast, BT2**

**8BA DX 400 NR Belfast Tel: +44 (0)1392 261990 E-mail: [northernireland@stovax.com](mailto:northernireland@stovax.com)**



**STOVAX**



PM1960