



STOVAX RVFST-1EU Freestanding Range Instruction Manual

[Home](#) » [STOVAX](#) » STOVAX RVFST-1EU Freestanding Range Instruction Manual 

Contents

- [1 STOVAX RVFST-1EU Freestanding Range](#)
- [2 ESSENTIAL INFORMATION](#)
- [3 GENERAL INFORMATION](#)
- [4 Appliance Location](#)
- [5 Final inspection of the installation:](#)
- [6 Combustion Air Supply](#)
- [7 PRODUCT FICHE – Information Requirement for Solid Fuel Local Space Heater](#)
- [8 PRODUCT MATERIAL INFORMATION](#)
- [9 SMOKE CONTROL](#)
- [10 Documents / Resources](#)
 - [10.1 References](#)
- [11 Related Posts](#)



STOVAX RVFST-1EU Freestanding Range



Freestanding Range

Studio 1	RVFST-1EU
Studio 2	RVFST-2EU
Studio 3	RVFST-3EU

ESSENTIAL INFORMATION

G E N E R A L	Model:					
	Studio 1					
	Studio 2			Studio 1	Studio 2	Studio 3
	Studio 3					
	Nominal Heat Output	Wood	kW	5.0	8.5	12.6
	Efficiency	Wood	%	77.8	76.3	76.1
	CO @ 13% O2	Wood	%	0.11	0.11	0.1
	Weight		Kg	76	83	120
	Recommended Fuels	Wood	Seasoned Wood (less than 20% moisture content)			

As tested to the requirements of EN 13229 for intermittent operation

F L U E S	Flue/Chimney Size	With Liner of Factory made system (diameter) installed in accordance with manufacturers instructions	mm	153	153	153
			inch	6	6	6
	Flue/Chimney minimum height	All products	m	4.5	4.5	4.5
			feet	15	15	15
	Flue Draught	Min	Pa	10	10	10
		Nominal		12	12	12
		Max		20	20	20
	Flue Gas Mass Flow	Wood	g/s	4.9	7.7	9.3
	Average Flue Gas Temperature	Wood	oC	276	304	361
	Flue Outlet Size (Top Option)		mm	153	153	153
			inch	6	6	6

European Min Spec for Solid Fuel Chimney Flue – T400 N2 D 3 G50

V E N T I L A T I O N	A) Traditionally Built Homes • Where leakage is greater than 5m ³ /hour/m ² . • Ventilation normally required = 550mm ² per kW output over 5kW		B) Modern Construction Homes • Where leakage is less than 5m ³ /hour/m ² . • Ventilation normally required = 550mm ² per kW			
	A	Additional Ventilation	mm ²	None	1650	3850
			cm ²	None	16.5	38.50
			in ²	None	2.6	5.3
	B	Additional Ventilation	mm ²	2750	4400	6600
			cm ²	27.5	44	66.0
			in ²	4.44	7.1	10.65

‡In the U.K. Additional information covering the installation of the appliance may be found in the following British Standards: BS EN 15287, BSEN1856-2:2009, BS8303.

GENERAL INFORMATION

Installing the Appliance

Each installation is unique to the property so it is not possible to give details to suit every setting. The installation must comply with Building Regulations and be made using “best practice” construction methods. Take care when installing the appliance. Careless handling and use of tools can damage the finish and/or area.

Appliance Location

Many fireplace openings have a supporting lintel. Do not remove without supporting the remaining structure of the building. Do not support the structure with the appliance or the flue system.

If installing with a Dedicated External Air Kit, please consult manual PM1690 prior to 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:

A Constructional Hearth with a depth of 125mm and a 12mm. Decorative Hearth Plate must be installed to protect a combustible floor from the risk of falling embers if mounted directly on the floor.

The Decorative Hearth must extend 300mm in front of the hearth and can be made of natural stone, concrete, metal or glass.

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.

Flue and Chimney

- The flue or chimney system must be able to withstand flue temperatures of up to 4000C.
- The external diameter of the connection sleeve is 155mm.
- In normal operating mode, draft in the chimney should be 20-25 Pa close to the connection sleeve. The draft is affected primarily by the length and area of the chimney and also by how well sealed it is.
- The minimum recommended chimney length is 3.5m and a suitable cross-section area is 150-200cm² (140-160 mm in diameter).
- Sharp bends and horizontal lengths in a flue pipe reduce the draft in the chimney.
- It must be possible to sweep the full length of the flue, and the soot doors must be easily accessible.
- Carefully check that the chimney is sealed and that there is no leakage of smoke from the connections.

Combustion Air Supply

- When the appliance is installed, it is essential to ensure adequate air is supplied to the room. Air can be provided indirectly via a vent in the outer wall or via a duct from the outside that connects to the sleeve on the underside of the insert. The required volume of combustion air is about 20 m³/hour.
- The outer diameter of the combustion air connection sleeve is 80mm. If a pipe is longer than 1 m, its diameter

must be increased to 100mm and a larger wall vent will be required.

- In heated spaces, the flue must be insulated to prevent condensation using 30mm mineral wool covered with a vapour barrier. The hole in the wall (or floor) at the exit point must be properly sealed with flue jointing compound.
- A flexible pipe to provide external directly into the appliance is available and must be fitted at the time of installation.

CO Alarms

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, complying with BS EN50291, must be fitted in the same room as the appliance.

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.

PRODUCT FICHE – Information Requirement for Solid Fuel Local Space Heater

Model	Studio 1	Studio 2	Studio 3
Direct Efficiency Class	A	A	A
Direct Heat Output (kW)	5.0	8.5	12.6
Indirect Output (kW)	–	–	–

Energy Efficiency Index (EEI)	104	102	101
Useful Energy Efficiency at Nominal Heat Output	77.8%	76.3%	76.1%
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.

SMOKE CONTROL

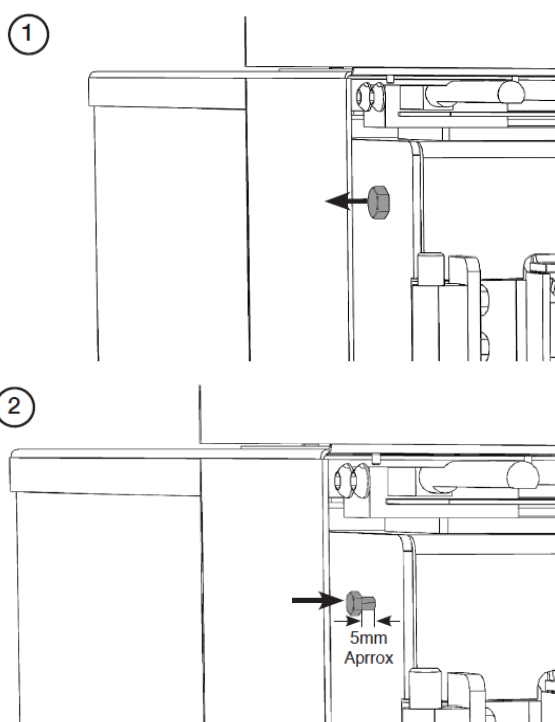
SMOKE CONTROL KITS

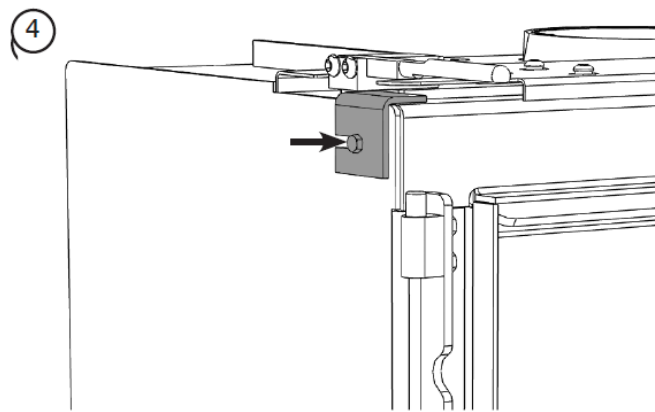
These instructions apply to the Studio 1 & 2 models when fitted with a Smoke Control kit.

NOTE: These appliances have been independently tested to PD6434 and have been exempt from the controls that generally apply in smoke control areas hence are considered suitable for use in Smoke Control Area when burning wood and ONLY when fitted with the relevant Smoke Control kit detailed below.

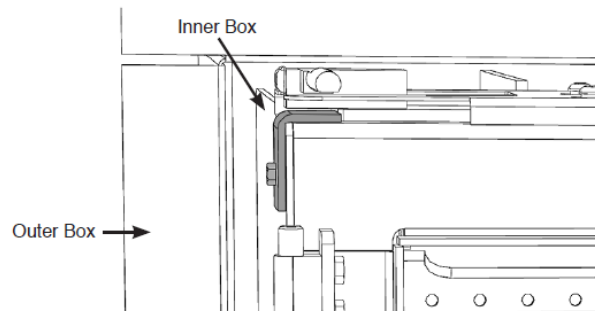
Product Code	Appliance	Smoke control kit Part No.
RVST-1EU	Riva Studio 1	RVS-MEC11860
RVST-2EU	Riva Studio 2	

To meet the Smoke Control requirement this appliance MUST be operated correctly in order to minimise the amount of smoke produced.



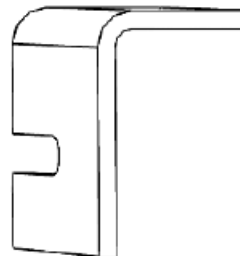


When installed the bracket locates on the top left of the inner box.




FITTING THE SMOKE CONTROL KIT STUDIO 1 & 2 ONLY

The Smoke Control kit for this product is a sliding bracket that prevents the Airwash slider from completely shutting down, allowing a small amount of air into the firebox to aid clean combustion.



Documents / Resources

	<p>STOVAX RVFST-1EU Freestanding Range [pdf] Instruction Manual RVFST-1EU Freestanding Range, RVFST-1EU, Freestanding Range</p>
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References

- [🔥 Stovax & Gazco - Stoves, fires and fireplaces](#)
- [🔥 Stovax & Gazco - Poêles, inserts et cheminées](#)

- stovaxspares.co.uk

Manuals+.