

SUPPLEMENTARY INSTRUCTIONS

(COMPLYING WITH UK REGULATIONS)

MODELS COVERED: All

IMPORTANT

This important note must be read in conjunction with the installation instructions supplied with your Dovre appliance:
The following instructions must be adhered to in order to comply with the UK building regulations (ADJ) and BS8303
(the installation of solid fuel appliances) and HETAS requirements.

INSTALLATION SUPPLEMENTARY

USER INSTRUCTIONS

1. GENERAL POINTS

- 1.1 **Before use of this appliance please read these instructions fully.**
- 1.2 **All local regulations, including those referring to national and European Standards need to be complied with when installing the appliance.**
- 1.3 Only use for domestic heating in accordance with these operating instructions.
- 1.4 Appliance surfaces become very hot when in use. Use a suitable fireguard if young children, elderly or infirm persons are present. Stovax offer firescreens, sparkguards and hearthgate systems for protection*. Your Stovax dealer can advise you about these products.
- 1.5 Do not obstruct inside or outside ventilation required for the safe use of this appliance.
- 1.6 Do not make unauthorised changes to the appliance.
- 1.7 The chimney must be swept at least once a year. See Section 12
- 1.8 Do not use aerosols near the appliance when it is in operation.
- 1.8 **Use a protected, gloved hand to operate.**

DO NOT OPEN THE DOOR WITH BARE HANDS

2. WARNING

Properly installed, operated and maintained, this appliance will not emit fumes into the room.

Occasional fumes from de-ashing and refuelling may occur.

Persistent fume emission is potentially dangerous and must not be tolerated.

If fume emission does persist:

- Open doors and windows to ventilate the room.
- Leave the room.

In the U.K:

* These products must conform to BS 6539, Fireguards for use with solid fuel appliances.

If appliance is operating unattended they must conform to BS 3248

**This should be done by a HETAS Approved Chimney Sweep (UK only) see page 25 / INFO registered (Republic of Ireland only) who will issue you with a certificate.

***BS 6461: Part 1, and the requirements of Building Regulations

—Allow fire to burn out and safely dispose of fuel from the appliance.

—Check for chimney blockage and clean if required.

—Do not attempt to relight until the cause of the emission has been identified and corrected

If necessary seek expert advice.

—All open flued appliances can be affected by temporary atmospheric conditions which may allow fumes to enter the house. **Because of this an electronic carbon monoxide detector conforming to the latest edition of BSEN50291 must be fitted in the same room as the appliance. The existence of an alarm must not be considered a substitute for ensuring regular servicing and maintenance of the appliance and chimney system.**

If the alarm sounds follow the instructions given under Warning above.

3. CHIMNEY SWEEPING

- 3.1 To maintain safe and efficient use of the appliance, the chimney/flue must be inspected and swept at least once a year by a qualified chimney sweep**.

If the appliance is used continuously throughout the year, or it is used to burn wood or smokeless fuel, more frequent sweeping is recommended.

The best time to have the chimney swept is at the start of the heating season.

The above applies even if burning smokeless fuels.

- 3.2 The chimney, any connecting flue pipe and the appliance flue ways, if incorporated, must be regularly cleaned.
- 3.3 Ensure adequate access for cleaning where it is not possible to sweep through the chimney.
- 3.4 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.

4. SMOKE CONTROL EXEMPTION (DOVRE 250)

- 4.1 The Dovre 250 has been approved as a smoke exempt product for burning wood when modified with the appropriate Smoke Control kit (Part No. DV250SCKIT). For details on how to modify your specific appliance please refer to the instruction book (PM268).

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INSTALLATION INSTRUCTIONS

LEGAL REQUIREMENTS

Before installation of this product please read these instructions fully.

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.

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

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 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 you have installed a new heating appliance. Check that your cover is still valid after installing the appliance.

1. FLUE OR CHIMNEY

- 1.1 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.

- 1.2 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.

—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.

—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†.

—Do not connect or share the flue or chimney system with another heating appliance.

- 1.3 Do not connect to systems containing large voids or spaces over 230mm square.
- 1.4 Suitable access must be provided to enable the collection and removal of debris.

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- 1.5 The flue must be swept and inspected when the appliance is installed.
- 1.6 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 next section for additional ventilation requirements).

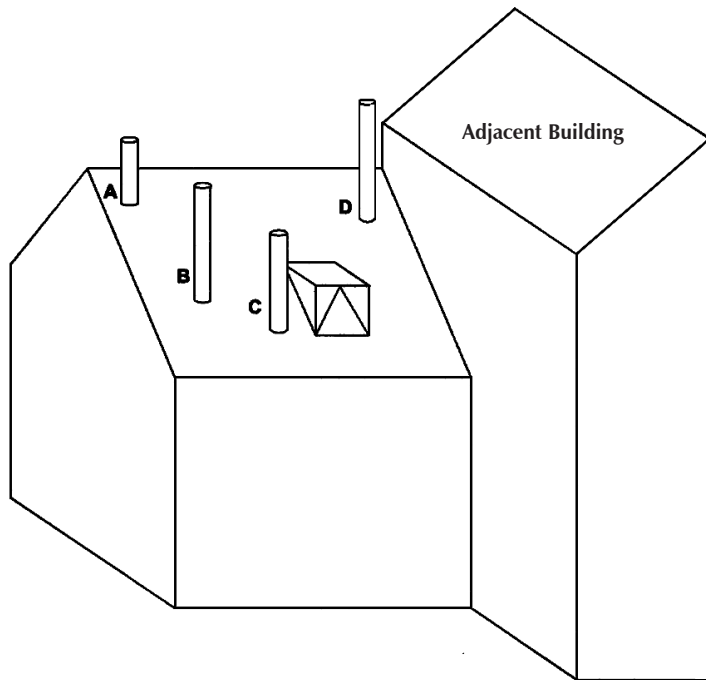
Max. Draught = 2.0mm Wg
Min. Draught = 1.0mm Wg

FLUE SYSTEM

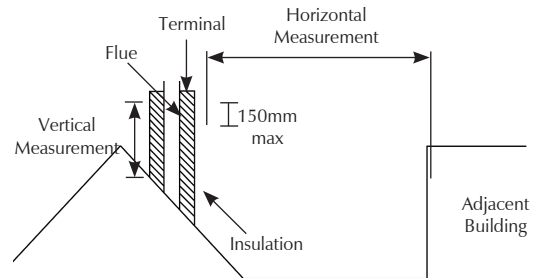
If this appliance is to be used in conjunction with a twin wall flue system then Stovax recommend the use of their Professional XQ range. Details of this product are available from your Stovax retailer.

2. FLUE OUTLET POSITIONS

These positions are defined by Document J of the Building Regulations.



IMPORTANT: Seek specialist advice if installing in a dwelling with a thatched roof



The datum for vertical measurement is the point of discharge of the flue from either the point of discharge of the flue or 150mm above insulation, whichever is the lower.

Point where the flue passes through weather surface (Notes 1 & 2)		Clearances to flue outlet
A	At or within 600mm of the ridge	At least 600mm above ridge
B	Elsewhere on roof (whether pitched or flat)	At least 2300mm horizontally from the nearest point on the weather surface and: a) at least 1000mm above highest point of intersection of the chimney with and the weather surface; or b) at least as high as the ridge
C	Below (on a pitched roof) or within 2300mm horizontally to openable rooflight, dormer window, or other opening (Note 3)	At least 1000mm above the top of opening
D	Within 2300mm of an adjoining or adjacent building, whether or not beyond the boundary (Note 3)	At least 600mm above any part of the adjacent of building within 2300mm
<p>Notes:</p> <p>1) The weather surface is the building's external surface, such as its roof tiles or external walls. 2) A flat roof has a pitch less than 10°. 3) The clearance given for A or B, as appropriate, will also apply. 4) A vertical flue fixed to an outside wall should be treated as equivalent to an inside flue emerging at the nearest edge of the roof.</p>		

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3. VENTILATION

- 3.1 This appliance requires a constant supply of air to maintain proper combustion and effective flue performance.
- 3.2 An inadequate air supply can result in poor combustion and smoke entering the room which is potentially dangerous.
- 3.3 This supply of air can come from either:
 — The natural leakage of air into the room in which the product is fitted.
 — 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.
- 3.4 The amount of air required must comply with local building regulations and the rules in force.
- 3.5 If spillage is detected during commissioning then there may be insufficient natural ventilation and an additional air supply will be necessary.
- 3.6 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 5m³ per hour per m² 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.

- 3.7 Ventilation requirements in the UK are as shown in the table below:

A) Traditionally Built Homes

- Where the leakage is greater than 5m³/hour/m².
- Ventilation normally required = 550mm² per kW output over 5kW

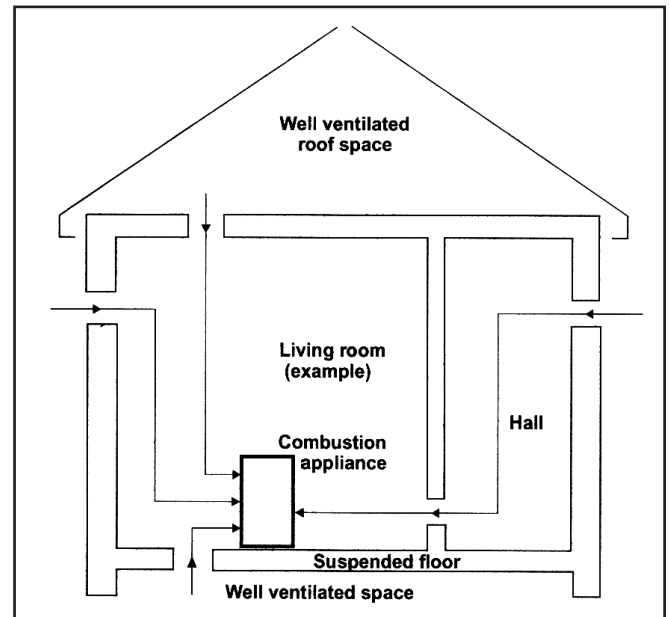
Output (kw)		4	5	6	7	8	9	10	
A	Additional ventilation	mm ²	None	None	550	1100	1650	2200	2750
		cm ²	None	None	5.50	11.0	16.5	22.0	27.5
		in ²	None	None	0.89	1.77	2.66	3.55	4.40

B) Modern Construction Homes

- Where the leakage is less than 5m³/hour/m².
- Ventilation normally required = 550mm² per kW

Output (kw)		4	5	6	7	8	9	10	
B	Additional ventilation	mm ²	2200	2750	3300	3850	4400	4950	5500
		cm ²	22.0	27.5	33.0	38.5	44.0	49.5	55.0
		in ²	3.55	4.40	5.32	6.21	7.10	7.99	8.87

- 3.8 Permanent air vents should be non-adjustable and positioned where they are unlikely to be become blocked.
- 3.9 If vents open into adjoining rooms or spaces there must be an air vent of at least the same size direct to the outside.
- 3.10 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.



- 3.11 Extractor fans or cooker hoods must not be placed in the same room or space as this can cause the appliance to emit fumes into the room.
- 3.12 Increase air supply provisions where a room contains multiple appliances.
- 3.13 **If any checks reveal problems do not proceed with the fitting of the appliance until they have been rectified.**

4. FITTING APPLIANCES ON A BOAT

- 5.1 If an appliance is to be fitted in a boat it must be done in accordance with the latest edition of BS 8511 (Code of Practice for the Installation of Solid Fuel Heating Appliances on Boats). The Code covers the design, installation and operation of solid fuel heating appliances that are suitable for fitting into inland waterway boats, and gives guidance on product selection, design considerations, installation requirements, inspection and testing, as well as maintenance and safe use tips.
- 5.2 Consideration should also be given to the requirements of the Boat Safety Scheme (BSS) to ensure the boat's insurance remains valid.
- 5.3 The appliance should only be installed by a competent person with experience of the latest edition of BS 8511 and the Boat Safety Scheme (BSS).
- 5.4 Secure the product to a suitably constructed non-combustible hearth.
- 5.5 All open flued appliances can be affected by temporary atmospheric conditions which may allow fumes to enter the boat. An electronic carbon monoxide detector conforming to the latest edition of BSEN50292 must be fitted and maintained.
- 5.6 Failure to safely install the appliance could endanger the boat and persons on board.

In the U.K:

* The latest edition of BS 6461: Part 1, and the requirements of Building Regulations.

**This should be done by a NACS registered (UK only)/ INFO registered (Eire only) chimney sweep (see page XX) who will issue you with a certificate.

† Building Regulations Document J

Flue Plate:

Where a hearth, fireplace, flue or chimney is provided or extended (including cases where a flue is provided as part of refurbishment work), information essential to the correct appliance and use of these should be permanently posted in the building, to meet Requirement J4 of the Building Regulations (England and Wales), F3.12 (Scotland).

† Building Regulations Document J

Additional:

A new factory made system that complies to the latest edition of EN 1856; Part 1 can be used providing installation is to the requirements of:

- i) the latest edition of BS 7566 Parts 1 -4
- ii) the manufacturer's instructions
- iii) Building Regulations.

For a guide containing information on Chimneys and Flues contact:
The British Flue & Chimney Manufacturers' Association,
FETA
2 Waltham Court
Milley Lane
Hare Hatch
Reading
Berkshire RG10 9TH

Tel: 0118 9403416

e-mail: info@feta.co.uk

Organisations authorised to certify competence in the installation of domestic solid fuel appliances (Competent Persons Scheme):

APHC - Association of Plumbing and Heating Contractors (Certification) Ltd.
www.aphc.co.uk

BESCA - Building Engineering Services Competence Accreditation Ltd.
www.besca.org.uk

HETAS - Heating Equipment Testing and Approval Scheme Ltd.
www.hetas.co.uk

NAPIT - National Association of Professional Inspectors and Testers Ltd.
www.napit.org.uk

NICEIC - NICEIC Group Ltd.
www.niceic.org.uk

HETAS Approved Chimney Sweeps:

NACS - The National Association of Chimney Sweeps
www.chimneyworks.co.uk

APICS - The Association of Master Chimney Sweeps Ltd.
www.apics.org

GMS - The Guild of Master Chimney Sweeps
guildofmasterchimneysweeps.co.uk

INFO - Irish National Fireplace Organisation
www.fireplace.ie



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