

STOVAX

Fire Your Imagination

Classic Non-Convactor Fireplaces



Cast Iron Tiled Fireplace and Cast Iron London Fronts

For use with Solid Fuel Grates and Gazco Gas Fires

Installation Instructions

IMPORTANT

THE OUTER CASING AND FRONT 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 8423:2002 IS USED IN THE PRESENCE OF YOUNG CHILDREN, THE ELDERLY OR INFIRM.

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.

Contents

Tiled Inserts/Tiled Fronts/London Fronts

Covering the following models:

See Dimensions pages 8 & 9 for individual model numbers

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Appliance Commissioning Checklist

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"/> |

Signature: Print Name:

Getting Started - Wood/Solid Fuel

For gas appliances please refer to the User Instructions in the manual supplied with the gas appliance.

Welcome

Congratulations on purchasing your fireplace, if installed correctly Stovax hope it will give you many years of warmth and pleasure for which it was designed.

The purpose of this manual is to familiarise you with your appliance, and give guidelines for its installation, operation and maintenance. If, after reading, you need further information, please do not hesitate to contact your Stovax retailer.

1. General Points

- 1.1 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.

- 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 You must burn only approved fuels. Do not use with liquid fuels or as an incinerator.
- 1.5 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.
- 1.6 Do not place photographs, TV's, paintings, porcelain or other combustible items on the wall or near the appliance. Exposure to hot temperatures will cause damage. Do not place furniture or other items such as drying clothing closer than 1m from the front of this appliance.
- WARNING:** Extra fuel should not be stored on or next to the appliance. Only keep enough fuel for immediate use nearby and never leave the appliance unattended for long periods with any combustible material in close proximity.
- 1.7 Extractor fans or cooker hoods must not be placed in the same room or space as this can cause appliance to emit fumes into the room.
- 1.8 Do not obstruct inside or outside ventilation required for the safe use of this appliance.
- 1.9 Do not make unauthorised changes to the appliance..
- 1.10 The chimney must be swept at least once a year. See Section 8.
- 1.11 Do not connect, or share, the same flue or chimney system with another appliance.

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.**
- **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 BSEN50292 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 ABOVE.

2. Using the Appliance for the First Time

- 2.1 To allow the appliance to settle, and fixing glues and paint to fully cure, operate the appliance at a low temperature for first few days.
- 2.2 Do not touch the paint during the first period of use.
- 2.3 During this time the appliance may give off some unpleasant odours. Keep the room well ventilated to avoid a build-up of fumes.



†In the U.K. these products must conform to the latest edition of BS 8423, Fireguards for use with solid fuel appliances. If appliance is operating unattended they must conform to the latest edition of BS 3248

***Registered on the Competent Persons Scheme (GB only see page 7/ INFO (Republic of Ireland).**

User Instructions

3. Recommended Fuels

3.1 Wood Logs:

Burn only seasoned timber with a moisture content of less than 20%. To ensure this allow cut wood to dry for 12 to 18 months.

Poor quality timber:

- Causes low combustion efficiency.
- Produces harmful condensation.
- Reduces effectiveness of the airwash and life of the appliance.

Do not burn construction timber, painted, impregnated / treated wood, manufactured board products or pallet wood.

3.2 Solid fuel:

Burn only anthracite or manufactured briquette smokeless fuels listed as suitable for use with open heating appliances.

Do not burn bituminous coal, 'petro-coke' or other petroleum based fuels as this will invalidate the product guarantee.

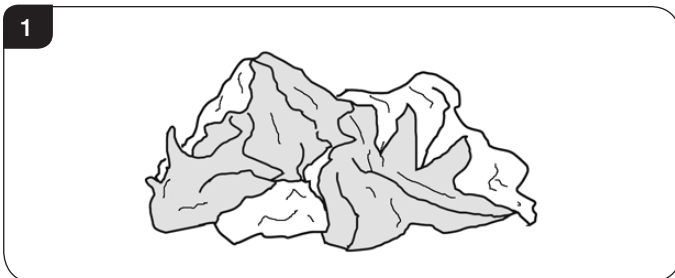
4. Lighting the Appliance

4.1 Whether using wood or solid fuel the process for lighting the appliance is the same.

4.2 To light the appliance:

- Remove the ashpan cover (where fitted).

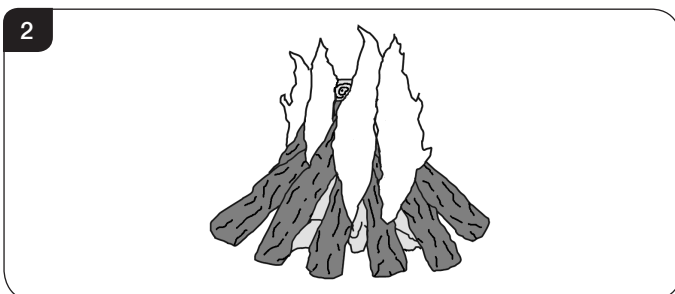
4.3 Place newspaper screwed up into loose balls on the grate, see Diagram 1.



4.4 Lay pieces of kindling wood on top of the newspaper in different directions.

A successful fire initially requires plenty of kindling to establish a hot firebox and warm the chimney to aid flue performance.

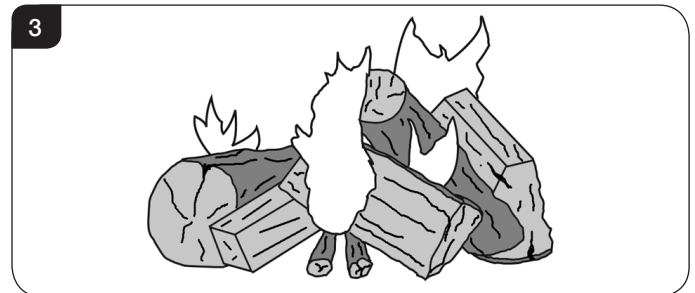
4.5 Light the paper, see Diagram 2.



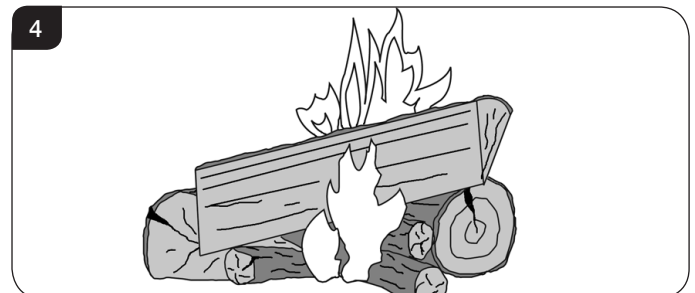
Burning Wood

4.6 Add larger pieces of wood once the kindling wood has caught alight and the fire is established, see Diagram 3.

Do not use full sized logs at this stage, build up gradually in size. Too many logs may smother the fire.

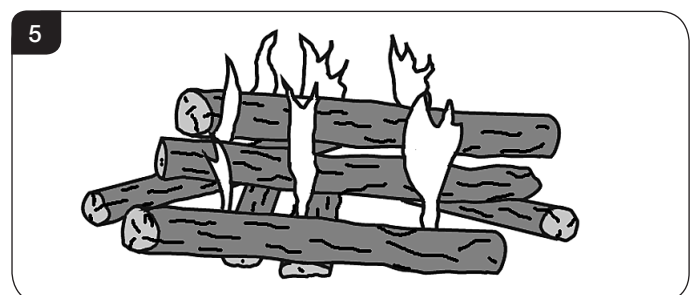


4.7 Refuel little and often for clean, efficient burning, see Diagram 4.

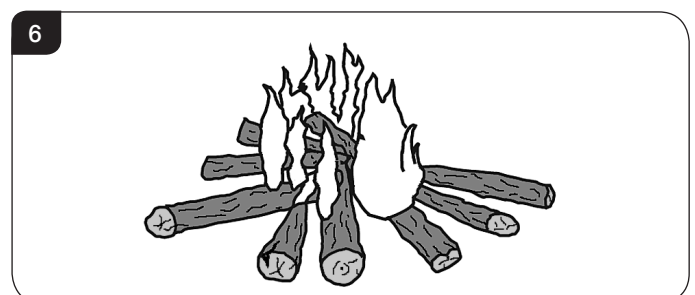


Burning Solid Fuel

4.8 Add small pieces of wood to establish a strong burning fire, see Diagram 5.

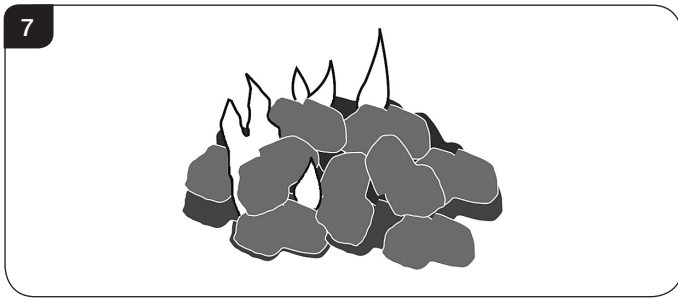


4.9 Allow wood to burn through, see Diagram 6.

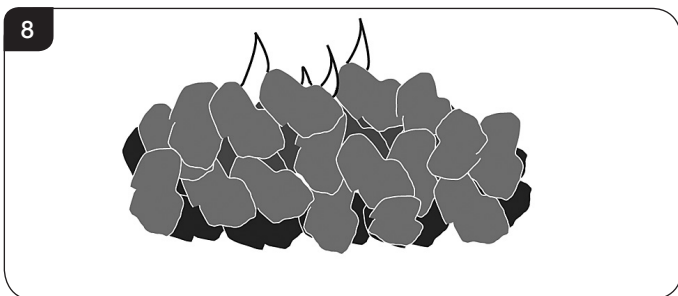


User Instructions

4.10 Add solid fuel to wood, see Diagram 7.



4.11 Once the solid fuel has started to burn add more to establish a strong fire, see Diagram 8.



4.12 Frequently riddle the fire with a poker when using solid fuel to keep it free of ash.

4.13 Empty the ashpan regularly.

5. Ash Removal

Do not allow ash to build up as it may cause damage and adversely effect the performance of the appliance. Warning: Ash can remain hot long after appliance has been in use.

5.1 Leave a layer of ash to start the new fire on. Wood burns best on a bed of ash (approx. 25mm (1") deep).

- Remove ash with a small shovel and place into a Stovax Ash Caddy (Stovax Part No. 4227) or other suitable container.

Do not place hot ash in any container made from plastic or any other combustible material.

- De-ash at least once a week.

6. Over-Firing

- 6.1 Do not over-fill with fuel or run at high temperatures for long periods or over-firing can occur.
- 6.2 **Over-firing can cause permanent damage to the appliance and invalid the product warranty.**

7. Chimney fire

7.1 **If a chimney fire occurs:**

- **Shut all air controls immediately.**
- **Evacuate the building.**
- **Call the fire brigade.**
- **Do not re-enter the building until it is confirmed safe.**

7.2 **Do not use the appliance after a chimney fire until:**

- a) **It has been inspected by a registered installer*, confirming the appliance is safe to use.**
- b) The chimney system has been inspected and swept by a chimney sweep, confirming the system is structurally sound and free from obstruction*.
- c) **It is repaired as required before re-use.** Use only genuine Stovax replacement parts to keep your appliance in safe, efficient working order.

8. General Cleaning

- 8.1 Clean and inspect the appliance regularly, especially in periods of heavy use. Regular cleaning and maintenance will help give many years of safe use.
- 8.2 **Allow appliance to cool thoroughly to avoid risk of burns.**
- 8.3 Clean regularly, according to level of use.
- Remove the ash completely see User Instructions, Section 7.
- 8.4 Check internal components for damage and for obvious build up of soot, ash or debris above the firebox. Use a torch if necessary.
- 8.5 If there are any signs of a build up of debris above the appliance either:
- Arrange for the chimney to be swept.
 - Clear the debris.
- 8.6 **Do not use aerosol sprays near an operating appliance. Do not use abrasive cleaner or cleaning pads.**



*Registered on the Competent Persons Scheme (GB only see page 7/ INFO (Republic of Ireland)).

User Instructions

9. Chimney Sweeping

- 9.1 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, more frequent sweeping is recommended.
- The best time to have the chimney swept is at the start of the heating season.
- 9.2 The chimney, any connecting flue pipe and the appliance flue ways, if incorporated, must be regularly cleaned.
- 9.3 Ensure adequate access for cleaning where it is not possible to sweep through the chimney.
- 9.4 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.

10. Care of Fireplace

Stovax has a range of cleaning and maintenance products and accessories to keep your appliance in good working order. Your Stovax retailer can advise you on suitable items for your stove and provide genuine spare parts. View the extensive range at www.stovax.com by clicking on *Accessories*. In addition, an annual service by a competent engineer is recommended to keep your stove in the best possible condition.



11. Seasonal Use

- 11.1 Clean and service the appliance if not used during the warmer months, as detailed in the Maintenance and Servicing section.
- 11.2 If applicable set the air controls to 50% to keep the appliance ventilated and stop the build-up of any moisture inside.
- 11.3 Before re-lighting the appliance:
- Clear any debris that may have accumulated.
 - Check the flue is clear of any blockages.



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:

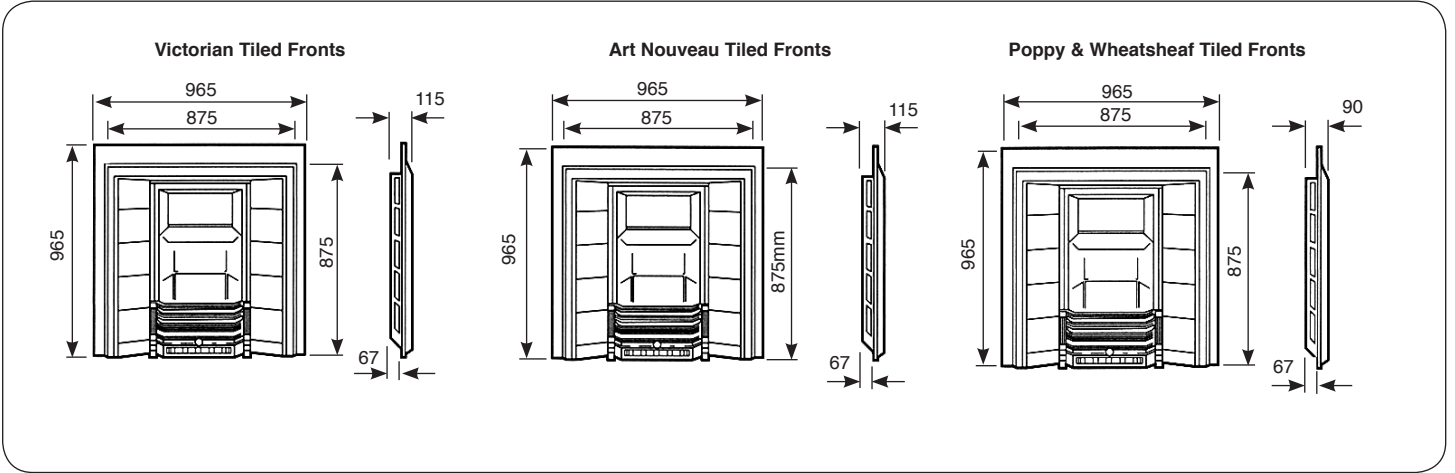
NACS - The National Association of Chimney Sweeps
www.chimneyworks.co.uk

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

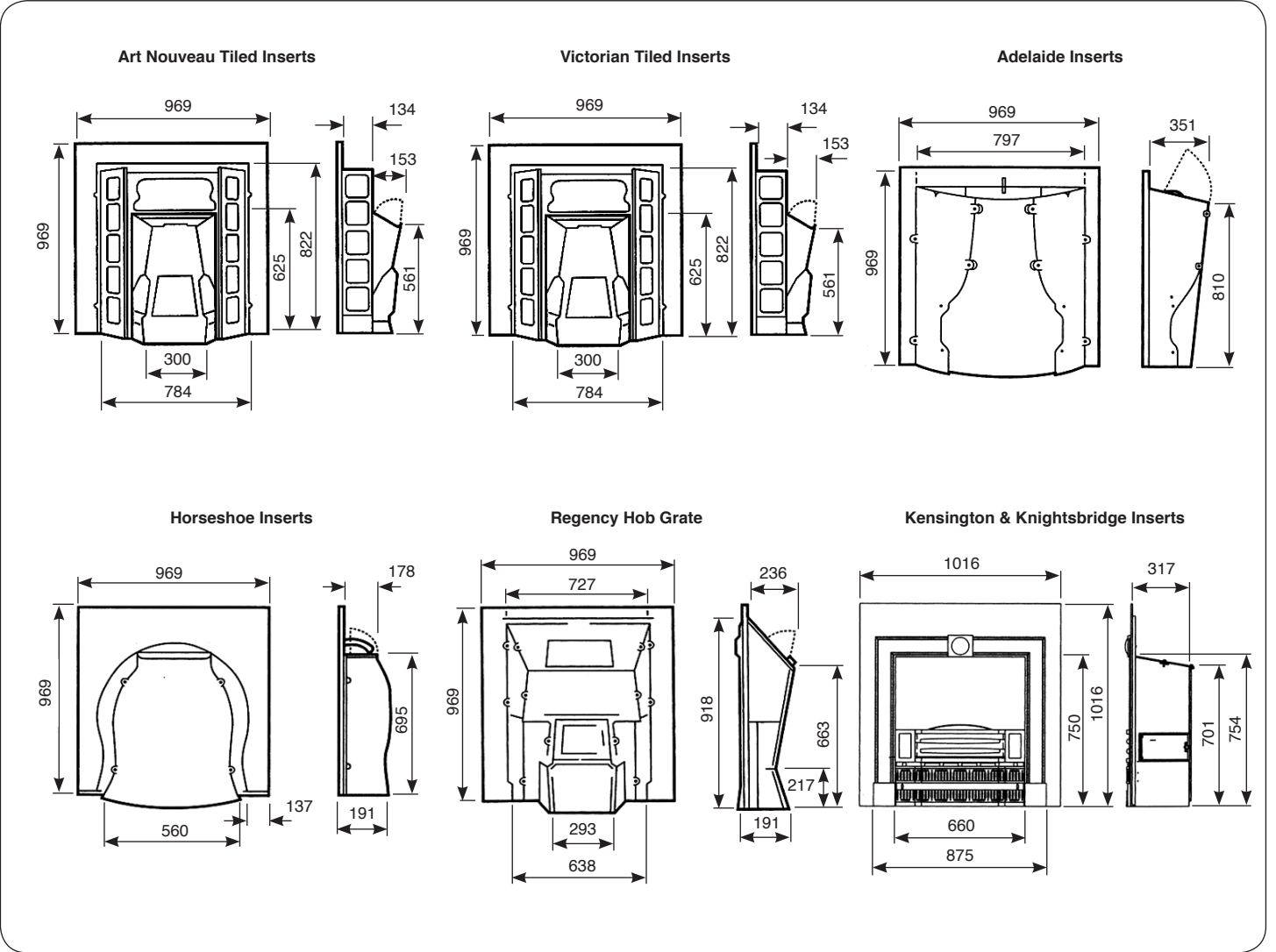
The Guild of Master Chimney Sweeps -
guildofmasterchimneysweeps.co.uk

Site Requirements

5A. Dimensions - Tiled Fronts



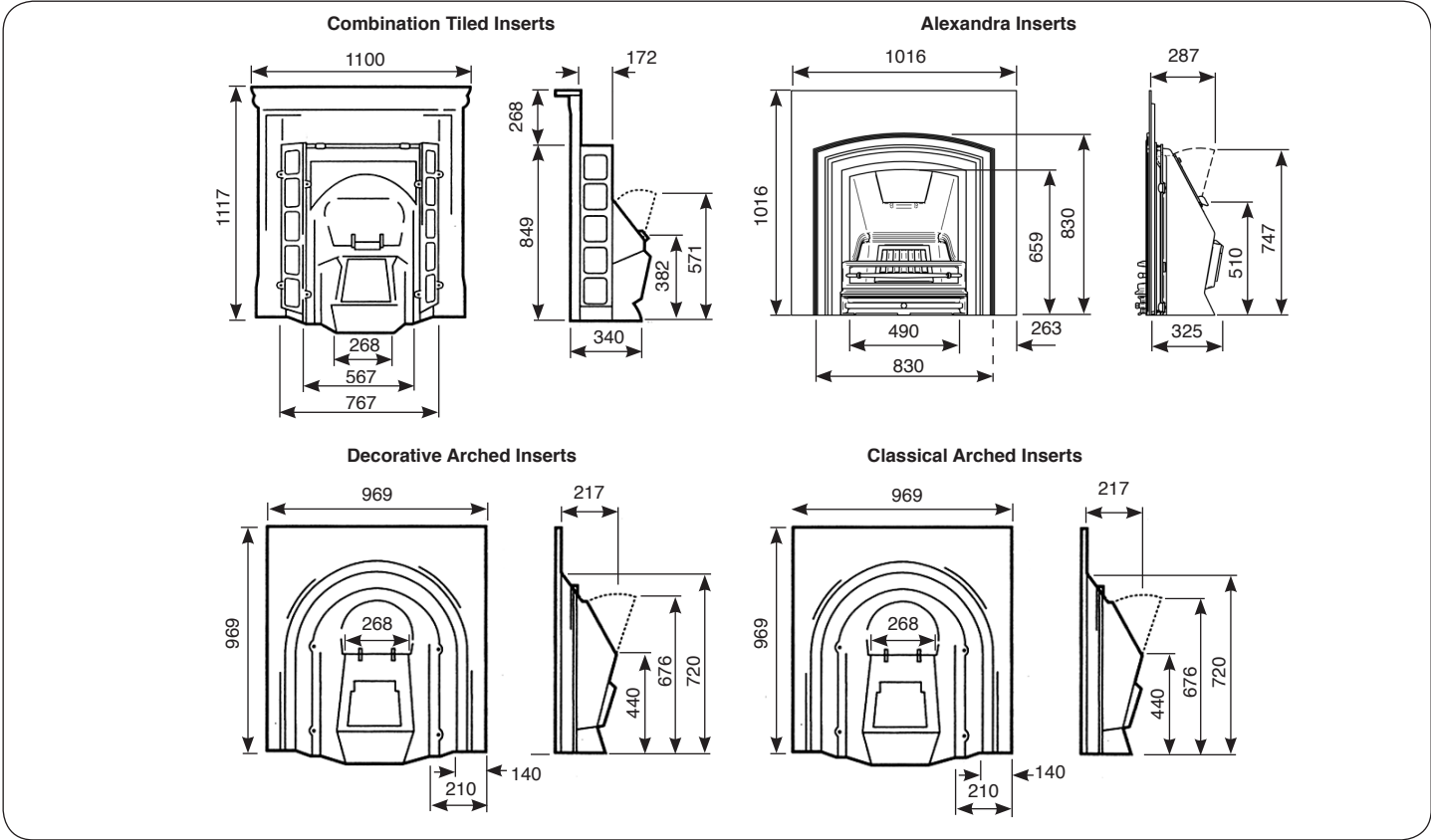
5B. Dimensions - Tiled Inserts



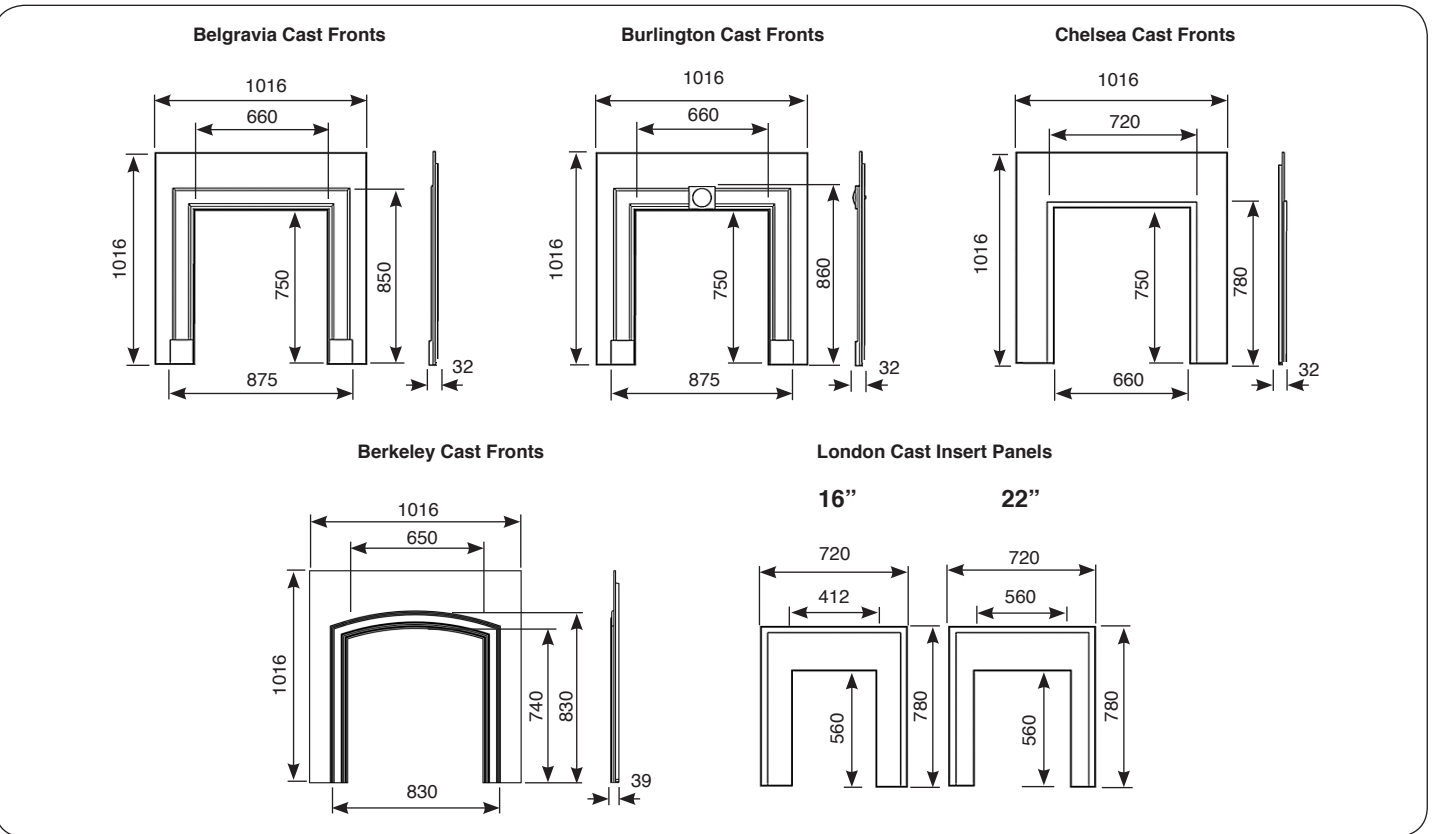
All dimensions are in mm (25.4mm = 1")

Site Requirements

5B. Dimensions - Tiled Inserts (Continued)



5C. Dimensions - London Fronts



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

Site Requirements

Tiled Fronts

| | | Matt Black | Highlight Polished | With Brass Hood |
|-------------------------------|-------------------------|--------------------|--------------------|-----------------|
| Victorian | Solid Fuel / Gas | 4564 / 4565 / 4566 | 4567 / 4568 / 4569 | 4571 / 4573 |
| Art Nouveau | Solid Fuel | 4575 | 4577 | 4579 / 4581 |
| | Gas | 4574 | 4576 | 4578 / 4580 |
| Poppy & Wheatsheaf | Solid Fuel / Gas | 4223 | - | - |

Tiled Fronts

| | | Matt Black | Highlight Polished | With Brass Hood | Fully Polished |
|--------------------------|-------------------------|--------------------|--------------------|-----------------|----------------|
| Victorian | Solid Fuel / Gas | 4044 / 4260 / 4268 | 4045 / 4261 / 4269 | 4561 / 4563 | 4356 |
| Art Nouveau | Solid Fuel | 4161 | 4162 | 4902 / 4903 | - |
| | Gas | 4159 | 4160 | 4900 / 4901 | - |
| Adelaide | Solid Fuel | 4247 / 4248 | - | - | 4250 / 4249 |
| | Gas | 4248 | - | - | 4250 |
| Horseshoe | Solid Fuel / Gas | 4092 | 4219 | - | 4258 |
| Regency Hob Grate | Solid Fuel / Gas | 4112 | 4253 | - | - |
| Kensington | Solid Fuel / Gas | 8907BLK | 8907 | - | - |
| Knightsbridge | Solid Fuel / Gas | 8906BLK | 8906 | - | - |
| Combination | Solid Fuel / Gas | 4359 | 4360 | - | - |
| Classical Arched | Solid Fuel / Gas | 4386 | 4386HP | - | 4387 |
| Decorative Arched | Solid Fuel / Gas | 4389 | 4389HP | - | 4390 |
| Alexandra | Solid Fuel / Gas | 4440 | 4440HP | - | 4440FP |

Tiled Fronts

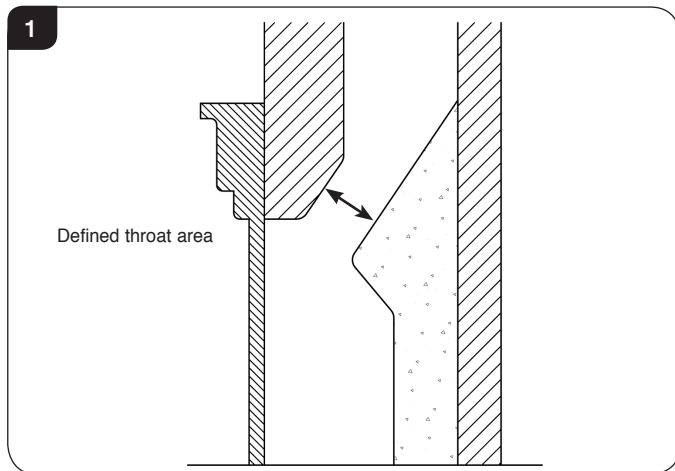
| | Matt Black | Fully Polished |
|-------------------------------------|------------|----------------|
| Belgravia | 8902BLK | 8902 |
| Burlington | 8903BLK | 8903 |
| Chelsea | 8901BLK | 8901 |
| London Cast Insert Panel 16" | 8904BLK | 8904 |
| London Cast Insert Panel 22" | 158905BLK | 8905 |
| Berkeley | 8908BLK | 8908 |

Site Requirements

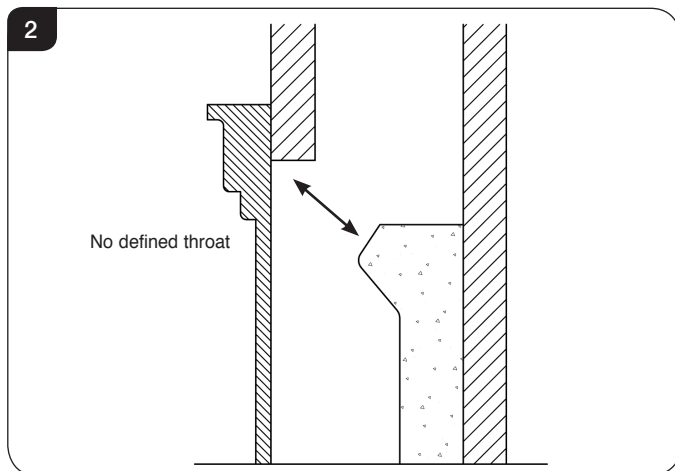
1. Ventilation

- 1.1 To ensure safe combustion and effective flue performance all Stovax solid fuel Classic Fireplaces need additional ventilation to be provided for the room where the product is fitted.
- 1.2 An inadequate air supply can result in poor combustion and smoke entering the room which is potentially dangerous.
- 1.3 The amount of air required must comply with local building regulations and the rules in force.
- 1.4 If spillage is detected during commissioning then there may be insufficient ventilation, and additional air may be required.
- 1.5 Ventilation requirements in the UK are:

If the installed fireplace has a defined throat area: 50% of the throat area.

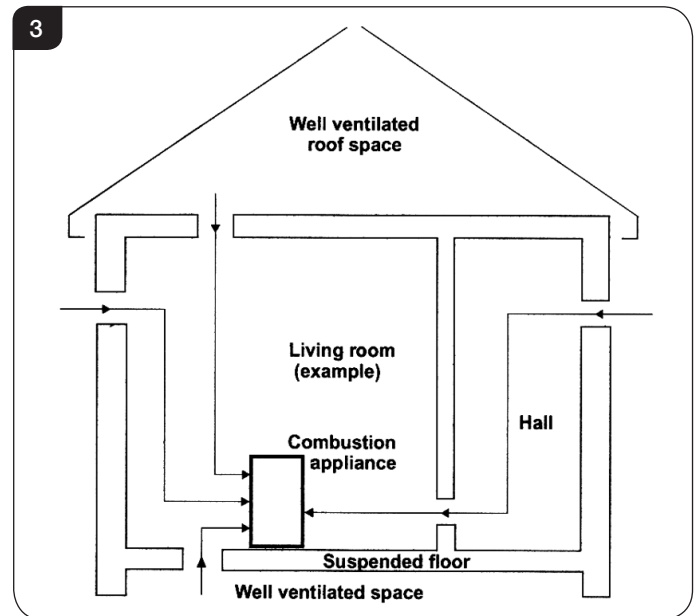


If the installed fireplace does not have a defined throat area: 50% of the area of the flue.



- 1.6 Permanent air vents should be non-adjustable and positioned where they are unlikely to become blocked.

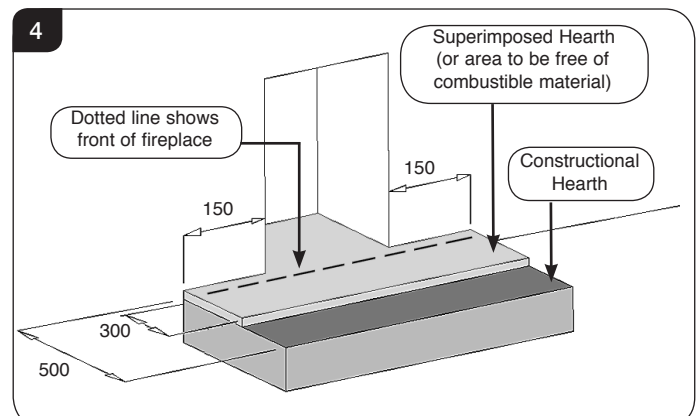
- 1.7 If vents open into adjoining rooms or spaces there must be an air vent of at least the same size direct to the outside.
- 1.8 Site the vents where cold draught is unlikely to cause discomfort. This can be avoided by placing vents near ceilings or close to the appliance, see Diagram 3.



- 1.9 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.
- 1.10 Increase air supply provisions where a room contains multiple appliances.
- 1.11 **If any checks reveal problems do not proceed with the fitting of the appliance until they have been rectified.**

2. Fireplace Opening and Hearth Dimensions

- 2.1 The appliance must stand on a non-combustible constructional hearth which is at least 125mm thick with the minimum dimensions as shown in Diagram 4.
Note: the 300mm is to be measured from the front of the fireplace when installed and NOT to be taken from the wall.



Site Requirements

- 2.2 The floor must have a suitable load-bearing capacity to support the hearth and appliance.
Consult a structural engineer for advice before proceeding.
- 2.3 When fitting into an existing fireplace check that the hearth complies with current construction regulations and is at least the minimum sizes shown.
- 2.4 If there is no existing fireplace or chimney it is possible to construct a suitable non-combustible housing and hearth setting. The flue must be installed in accordance with all local and national regulations and current rules in force‡.
- Check if adding a new chimney to your property requires planning permission.
- 2.5 Some houses are built using a timber frame construction with high levels of thermal insulation. Isolate the appliance from combustible materials, and provide sufficient ventilation to maintain the heating efficiency.

3. 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.

- 3.1 The chimney/flue must have a sealed connection to the fireplace.
- 3.2 **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 high temperature plasterboard. New plaster should be fully dried before the appliance is used or cracking could occur.**

If in any doubt about the ability to produce a safe opening contact your Stovax retailer or installer* for professional advice.



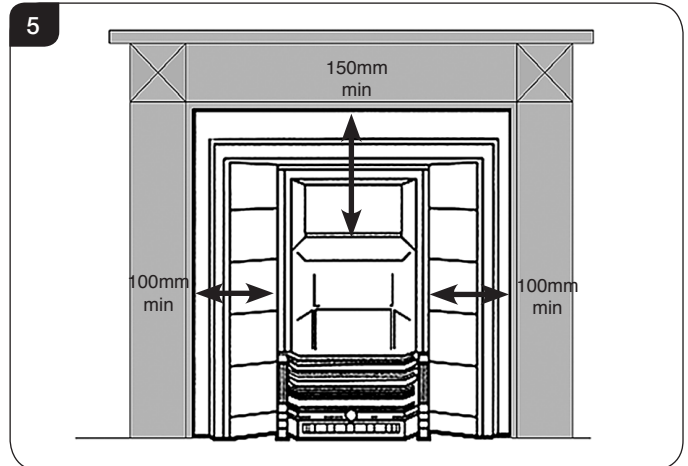
‡In the U.K. these products must conform to the latest edition of BS 8423, Fireguards for use with solid fuel appliances.

If appliance is operating unattended they must conform to the latest edition of BS 3248

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4. Fire Surround Clearances

If the fireplace is to be fitted with a combustible (wooden) fire surround, in the absence of any specific manufacturers instructions, the surround must clear all decorative detail and fall beyond the **minimum** clearances from the fire opening as shown in Diagram 5, below. Insulation, e.g. ceramic tape, must be applied where the metal fireplace touches a metal surround. Stovax produce a selection of surrounds. Details can be obtained from your retailer or online at www.stovax.com.



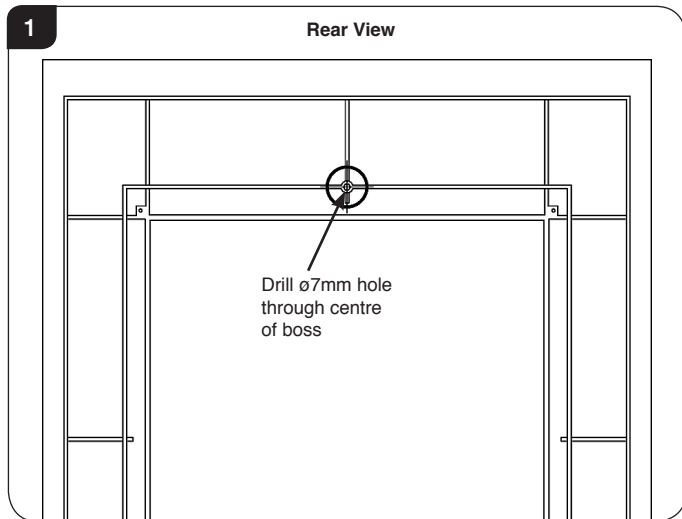
- 4.1 Some finishes may discolour with heat and some lower quality products may distort, or crack, when in use, if in doubt use larger clearances.
If stone / granite / marble or any other natural material is used to construct the fire surround, or any part of it, provision should be made for expansion 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 retailer.**
- 4.2 All fire surrounds should be suitable for use with solid fuel heating products.

Installation Instructions

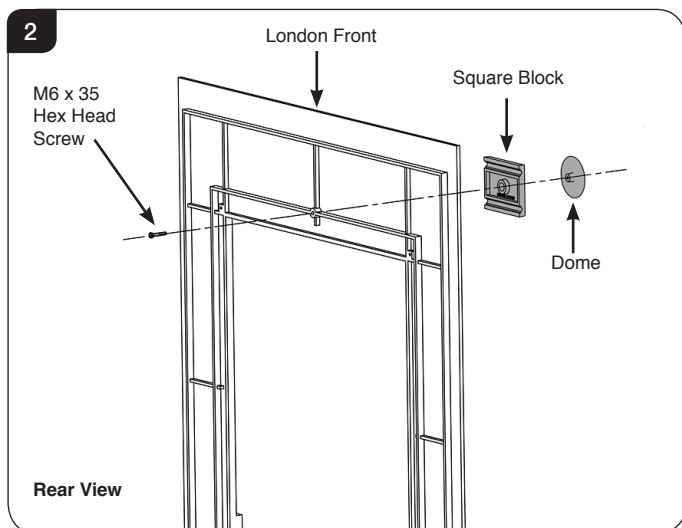
1. Kensington & Burlington Fronts (8907, 8907BIK, 8903, 8903BIK)

The Kensington and Burlington fronts have additional square block and dome panels that must be fitted to the cast iron front.

- 1.1 Drill a 7mm clearance hole in the cast iron front **from the rear**, in the centre of the boss, see Diagram 1.



- 1.2 Secure the square block and dome to the front of the cast iron front via an M6 x 35 hex head screw. This will tighten into a tapped hole in the dome piece, see Diagram 2.

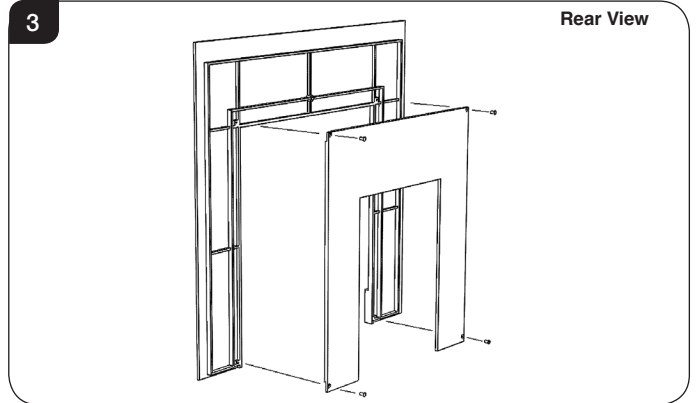


2. Cast Iron London Insert Panels 16" & 22" (8904 & 8905)

The cast insert panel should be fitted to the back of the main London cast iron front panel.

- 2.1 Use the 4 x fixing screws and washers (supplied) to secure the panels from behind through the pre-drilled slots/tapped holes.

This will then allow the fitting of both Stovax and Gazco 16" or 22" products.



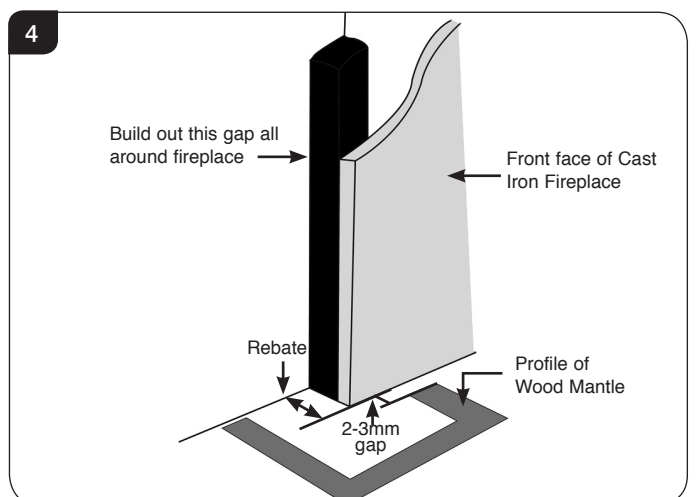
3. Installation

Tiled Inserts are complete fireplaces that should be installed into a builders opening complying with the site requirements on page 9.

Tiled Fronts can only be installed in to an existing Milner Brick fireplace.

ENSURE THAT THE FLOOR OF THE FIREPLACE OPENING IS LEVEL WITH THE PROJECTING HEARTH SURFACE. IF A CEMENT INFILL IS REQUIRED TO ACHIEVE THIS, DO NOT PROCEED WITH THE INSTALLATION UNTIL THE CEMENT IS COMPLETELY DRY.

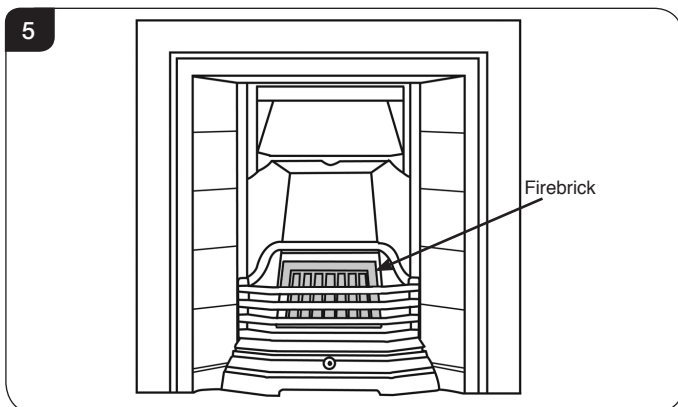
- 3.1 Protect the surface of the hearth before proceeding.
- 3.2 Measure the rebate of the mantel and the thickness of the cast iron where it will butt up to the mantel.
- 3.3 Build out the fireplace so the cast iron can be firmly fixed back leaving 2 – 3mm gap to the rebate of the mantel.



- 3.4 Build out the vertical sides of the fireplace opening using bricks or blocks cut to the right thickness.
- 3.5 Build out the top of the fireplace opening using a purpose made lintel or using metal sections.
- 3.6 Reduce the volume of the fireplace recess to within 50 – 75mm of the back face of the cast iron insert.

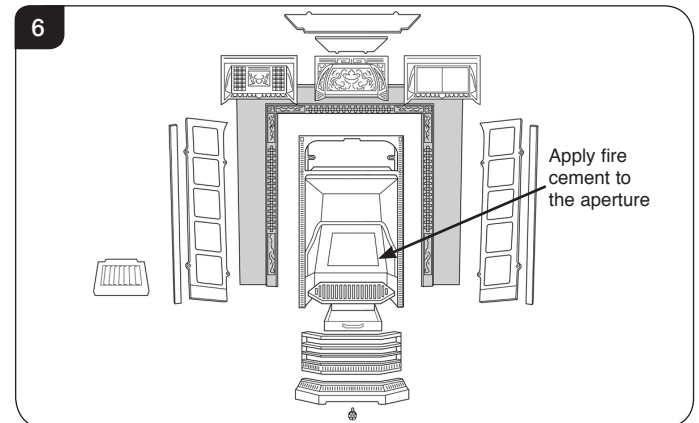
Installation Instructions

- 3.7 Drill holes in the edge of the cast iron front, ideally in the four corners, so that the fixings will not be seen when the mantel is in position. Drill corresponding holes in the wall.
- 3.8 Fit non-combustible/high temperature wall plugs in the wall in preparation for fitting.
- 3.9 Position the front panel centrally in the fireplace opening against the wall. Place the surround (mantelpiece) in position and, holding the surround firmly against the wall, pull the front panel forward until it touches the rear of the surround. The panel is now in the correct position. Mark the position and securely fix the panel to the wall. The surround can be removed while this is completed.
- 3.10 **Seal thoroughly around the entire perimeter of the fireplace with non-combustible material such as fibreglass rope seal or Stovax fire cement to form an air-tight seal to ensure no products of combustion can enter the room.**
- 3.11 Parge the top edge of the cast iron insert where it joins the fireplace opening with lime based mortar to improve the seal in this area.
- NOTE: Never use Portland cement mortar in chimneys and fireplaces. A lime based mortar will allow expansion and movement and reduce the risk of cracking.
- 3.12 Fill the void behind the cast iron insert with a mixture of vermiculite and cement. Use enough cement to lightly coat the vermiculite and only enough water to hold the mixture together.
- 3.13 Flaunch the opening in and above the cast iron to form a smooth transition between the flue exit of the cast iron and the chimney itself.
- This should be at an angle not less than 45 degrees from the vertical.
- 3.14 Some cast iron inserts have a Firebrick immediately behind the firegrate, see Diagram 5.



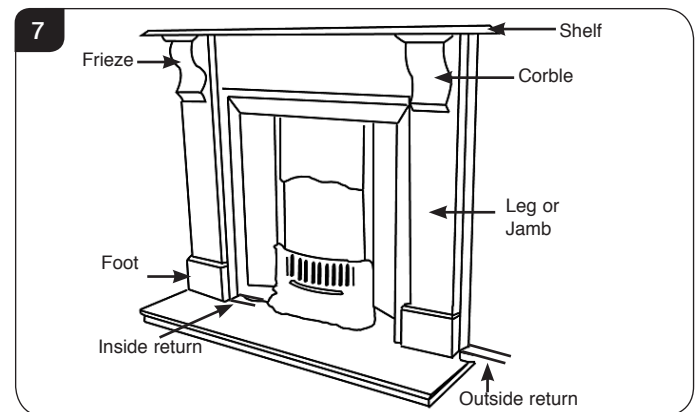
- 3.15 This Firebrick must be sealed in place using a good quality fire cement.

- 3.16 First apply a continuous bead of fire cement around the aperture where the Firebrick is to be fitted, see Diagram 6.



- 3.17 Fit the brick in position, pressing into the fire cement.
- 3.18 Fill the remaining gaps around the fire brick with fire cement and finish neatly.
- 3.19 The seal must be complete around the entire perimeter of the Firebrick.

Wait until any cement or seals are dry before fitting a surround. If the surround is wooden, fix Stovax flat rope seal (Part No. 4953) to all surfaces that touch the cast iron panel. Place it into position, ensuring that it is central, and secure it to the wall using flat brass brackets (mirror plates).



With Solid fuel fires use only at a low fire for the first few hours of use to allow the castings to temper.

During this time the fireplace may give off some unpleasant odours, and we recommend that you keep the room well ventilated to avoid a build-up of fumes.

Installation Instructions

4. Installing a Gas Appliance

When installing a cast iron insert with a gas appliance it is essential that the product is installed in accordance with these instructions whilst making provision for the gas supply and requirements of the appliance.

Read both instructions carefully thoroughly before installation to understand the requirements for each component.

Once the cast iron insert has been fitted install the gas appliance as detailed in the Instructions for Use & Installation provided.

5. 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.

Commissioning

Commissioning a Solid Fuel Appliance

1.1 To commission:

- Check the soundness of the seal between the cast iron edge and the fireplace.

1.2 Now carry out a final smoke draw test:

- First warm the flue with a blowlamp, or similar, for about 10 minutes.
- Place a smoke pellet on the centre of the grate with the damper open where applicable.

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 interconnecting doors open.
- Check the effect of ceiling fans during the test.

If the test fails, re-check the suitability of the flue system and ventilation. An inadequate air supply to the room is potentially dangerous.

- Light the appliance and slowly increase the temperature to operating levels.
- Ensure no combustion products enter the room.
- When the appliance reaches operating condition carry out a spillage test with a smoke match or pellet around the opening.

1.3 If excessive spillage occurs:

- Allow the appliance to cool and re-check the flue system and ventilation.

1.4 **Finally:**

- Explain the safe operation of the appliance to the user and the importance of only using suitable fuels.**
- Explain the requirement to use a suitable fireguard when children, elderly or infirm persons are near the appliance.**
- Explain the cleaning and routine maintenance requirements to the user.**
- 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 the Appliance Commissioning Checklist on page 3 of this manual.**
- Give the copy of the Instructions to the customer.**

Commissioning a Gas Appliance

NOTE - If a gas appliance has been installed please carry out commissioning as detailed in the manual supplied with the gas appliance.

Certificate Of Compliance

It is a requirement under the Building Regulations that the Local Area Building Control is notified of the installation within 30 days of completion. A HETAS registered competent person can certify the installation work by issuing a Certificate of Compliance (an example of a certificate is shown below). Not notifying the installation is illegal and could potentially affect your building insurance and future sale of the property.

HETAS LTD - CERTIFICATE OF COMPLIANCE

PLEASE TICK APPROPRIATE BOXES OR ENTER DETAILS IN BOXES BELOW



| | | |
|--|----------------------|---|
| Record ID (HETAS Use Only) | <input type="text"/> | (*indicates that this data must be given) |
| Customer Name | * | |
| Installation Address | * | |
| Installation Address | | |
| Installation Address | | |
| Installation Address | | |
| Town | * | |
| Postcode | * | Work Completion Date * |
| Local Authority Name (*Must be given if no postcode available) | | |
| Installing Company Name | * | Company's HETAS Reg. No. * |
| Installing Engineer's Name | * | Engineer's HETAS Reg. No. * |

| Description of Work | |
|--|--|
| Location: | Lounge <input type="checkbox"/> Dining Room <input type="checkbox"/> Kitchen <input type="checkbox"/> Utility Room <input type="checkbox"/> Bedroom <input type="checkbox"/> Other, Specify <input type="text"/> |
| Appliance: | Dry Open Fire <input type="checkbox"/> Open Fire with Boiler <input type="checkbox"/> Dry Cooker <input type="checkbox"/> Cooker with Boiler <input type="checkbox"/> Dry Roomheater/Stove <input type="checkbox"/> Roomheater/Stove with Boiler <input type="checkbox"/> Independent Boiler <input type="checkbox"/> Make <input type="text"/> Model <input type="text"/> Heat Output <input type="text"/> kW |
| System: | New Heating and Hot Water System <input type="checkbox"/> Updated Existing Heating and Hot Water System <input type="checkbox"/> Dry System Only <input type="checkbox"/> |
| If Wet System: | Is the Hot Water System Unvented? <input type="text"/> Y / N |
| Chimney: | New Insulated Factory Made Chimney System Installed <input type="checkbox"/> |
| Relining of existing chimney: | Twin Wall Flexible Liner (for Class 1 Appliance) <input type="checkbox"/> Cast In-situ Liner <input type="checkbox"/> Rigid Sectional Liner Metal <input type="checkbox"/> Rigid Sectional Liner Other <input type="checkbox"/> |
| Hearth: | New Hearth/Surround fitted <input type="checkbox"/> Existing Hearth Surround Updated <input type="checkbox"/> |
| Additional Information | |
| Connecting fluepipe: | Diameter <input type="text"/> mm Socket joints upward and gas tight <input type="checkbox"/> |
| | Provision for sweeping chimney/fluepipe: Yes <input type="checkbox"/> No <input type="checkbox"/> Chimney Data Plate Location * |
| Air supply: | Has a permanently open air vent been fitted: Yes <input type="checkbox"/> No <input type="checkbox"/> Is vent opening at least 50% of cross sectional area of throat/flue <input type="text"/> or State total free area of air vent <input type="text"/> mm ² Confirm an approved Carbon Monoxide alarm has been fitted <input type="checkbox"/> |
| Testing & Commissioning to Approved J Appendix E | |
| Confirm you have commissioned and tested the appliance & associated work for safe and efficient operation <input type="checkbox"/> | |

Declaration of completion As the competent person responsible for the work described above, I confirm that the appliance and associated work has been installed in accordance with the HETAS rules of registration, and that the work complies with Regulations 4 and 7 of the Building Regulations, and Approved Documents J, G & L as applicable.

Signed: _____ Print name: _____ Date: _____

COPIES OF THIS COMPLETED CERTIFICATE MUST BE (WHITE COPY) SENT TO HETAS LTD AT THE ADDRESS GIVEN BELOW (PINK COPY) GIVEN TO THE CUSTOMER FOR RETENTION (YELLOW COPY) RETAINED BY THE INSTALLING COMPANY

THIS CERTIFICATE SHOULD BE RETAINED BY THE PROPERTY OWNER WHO MAY BE REQUIRED TO PRODUCE IT IN ANY FUTURE SALE OF THE PROPERTY.

Maintenance & Servicing - Solid Fuel Appliances

For a complete list of spare parts and accessories contact your Stovax or call 01392 474011.

If a Gas appliance has been installed please refer to the servicing requirements section of the manual supplied with the appliance.

Only genuine Stovax replacement parts are to be used to keep your fireplace in safe and efficient working order.

For fully polished fireplaces, Stovax Steel Cleaner (Part No.2037) is recommended to keep them clean and rust free. If a fire is not to be lit for an extended period, it is advisable to coat it with a light oil to prevent moisture in the air causing surface rust and pitting of the cast iron. This is important when plastering or other decorating work is being done.

1. Annual Service

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

- Allow fireplace to cool.
- Sweep the chimney at this point if it is required.
- Vacuum clean any remaining ash and debris from the inside of the fireplace.

Stovax offer a filter/collection attachment for your vacuum cleaner to protect it from fire ash. Ash Clean (Stovax Part No. 2091).

- Clean the internal surfaces of the fireplace using a wire brush and scraper as required. Vacuum and brush the resulting debris from the fireplace.
- Clean the grate parts with a wire brush, and check the parts for any damage.
- Replace any damaged parts.
- Re-fit cleaned internal parts.
- Lightly oil any operating mechanisms.
- To refresh painted finishes a touch up spray is available. Contact your Stovax retailer quoting the serial number found on the appliance data badge.

1.2 Use genuine Stovax replacement parts to keep your fireplace in safe and efficient working order. Your local Stovax retailer can provide you with the parts you require.

This is a list of the maintenance products you may need to use:

| Task | Product name |
|---|--------------------------------|
| Preventing build-up of creosote in flue | Protector (15 sachets) |
| | Protector (1kg tub) |
| Sealing flue pipe joints | Fire Cement (500g tub) |
| | Fire Cement (600g cartridge) |
| Re-painting | Touch Up Paint (150ml aerosol) |
| Cleaning matt black appliances | Colloidal Black (85ml) |
| Protecting your hands | Heat Resistant Leather Gloves |
| Ash Clean | Vacuum Cleaner Attachment |
| Cleaning stainless steel surfaces | Stovax Steel Cleaner |

These products, available online at www.stovax.com or from your local Stovax Retailer, along with regular maintenance and use of correct fuels, will keep the appliance in the best possible condition.

1.3 For more information about the Stovax Group products please visit our web site at www.stovax.com

1.4 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.

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

1.6 It is necessary to regularly clean polished surfaces.

Cast fronts with Gas inserts are particularly susceptible to rust.

- Clean and coat all types with lacquer regularly after removing rust with a fine grade wire wool.

- Take extra care when redecorating, especially re plastering or stripping of wall paper.

1.7 Your Stovax Retailer can carry out service and maintenance.

Technical Appendix - 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.

i † England and Wales – Document J / Scotland - Part F/Document J (Republic of Ireland only)
‡ the latest edition of BS 8303, BS EN 15287, BS 7566

***Registered on the Competent Persons Scheme (GB only) see page 7/ INFO (Republic of Ireland).**

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.

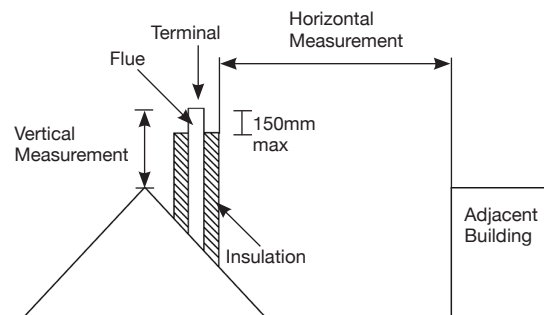
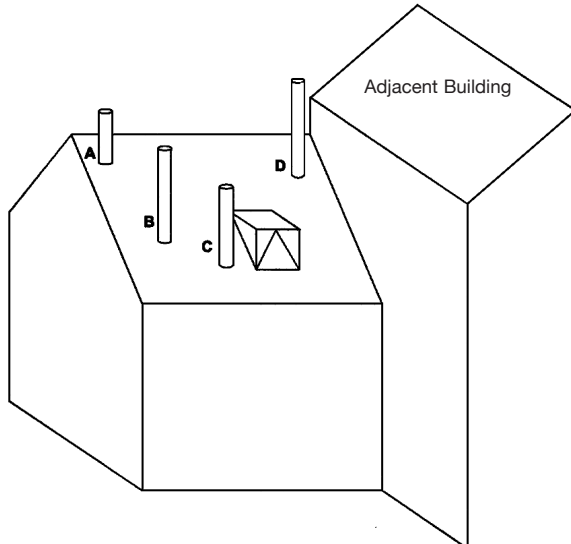
A faulty installation can cause danger to the inhabitants and structure of the building.

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.

1. Flue Outlet Positions

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



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.

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

| Point where the flue passes through weather surface (Notes 1 & 2) | Clearances to flue outlet |
|---|---|
| A | At or within 600mm of the ridge |
| B | At least 600mm above ridge |
| B | 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 | 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) |
| C | 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) |
| D | At least 600mm above any part of the adjacent of building within 2300mm |

1) The weather surface is the building external surface, such as it's 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.

Technical Appendix - Flues

2. Flue or Chimney

2.1 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.

2.2 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†.

— 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.

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

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

2.5 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.



In the U.K.:

*BS En 15287-1, and the requirements of Building Regulations

**This should be done by a NACS registered (UK only)/INFO registered (Eire only) chimney sweep, 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).

Additional:

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

- i) 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

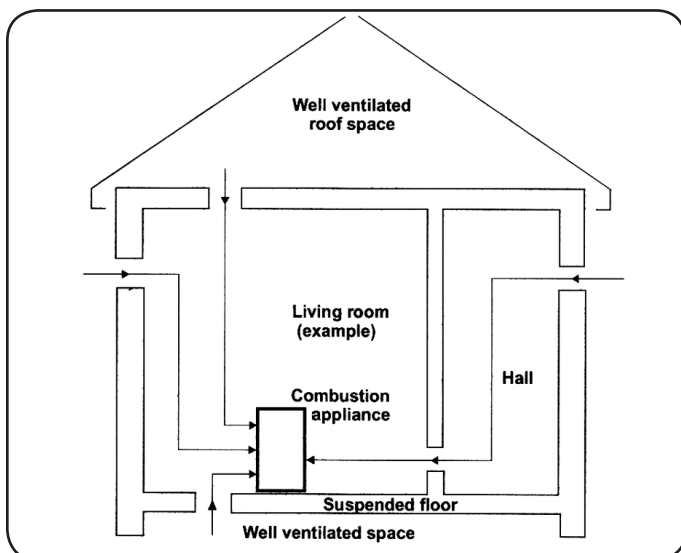
Tel: 0118 9403416

e-mail: info@feta.co.uk

Technical Appendix - Ventilation

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:
 - Purpose provided ventilation.
- 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 Permanent air vents should be non-adjustable and positioned where they are unlikely to be become blocked.
- 3.7 If vents open into adjoining rooms or spaces there must be an air vent of at least the same size direct to the outside.
- 3.8 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).
- 3.9 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.
- 3.10 Increase air supply provisions where a room contains multiple appliances.
- 3.11 **If any checks reveal problems do not proceed with the fitting of the appliance until they have been rectified.**



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