

INSTRUCTION MANUAL

FLUE KIT INSTALLATION

7 716 191 155 ROOM SEALED TELESCOPIC FLUE

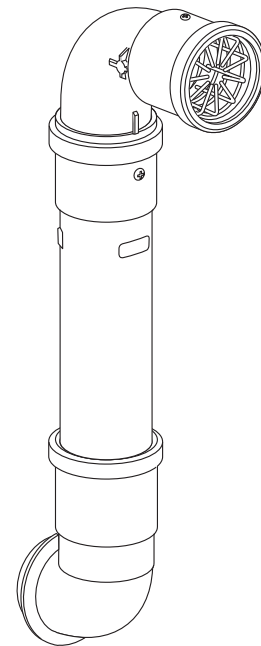
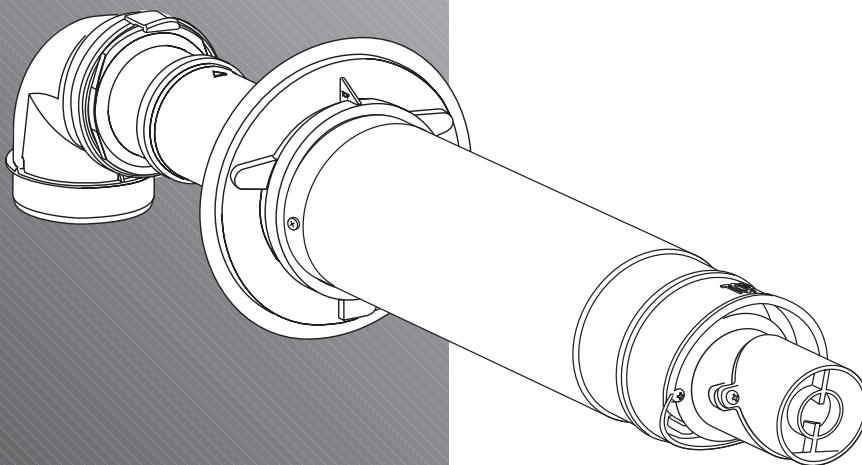
7 716 191 086 PLUME MANAGEMENT SYSTEM

60/100 HORIZONTAL FLUE

FOR USE WITH WORCESTER APPLIANCES:

Greenstar FS 30CDi Regular, Greenstar FS 42CDi Regular, Greenstar Highflow 440CDi, Greenstar Highflow 550CDi.

DO NOT USE WITH ANY OTHER MODEL OF APPLIANCE.



UK/IE

benchmark

 **WORCESTER**
Bosch Group

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INSTALLATION INSTRUCTIONS

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION.

THESE INSTRUCTIONS ARE APPLICABLE ONLY TO THE PRODUCT(S) STATED ON THE FRONT COVER OF THIS MANUAL.

THE INSTRUCTIONS APPLY IN THE UK & EIRE ONLY AND MUST BE FOLLOWED EXCEPT FOR ANY STATUTORY OBLIGATION.

THIS PRODUCT MUST BE INSTALLED BY A GORGI REGISTERED ENGINEER. FAILURE TO INSTALL CORRECTLY COULD LEAD TO PROSECUTION.

IF YOU ARE IN ANY DOUBT CONTACT WORCESTER TECHNICAL SUPPORT.


DISTANCE LEARNING AND TRAINING COURSES ARE AVAILABLE FROM WORCESTER, BOSCH GROUP.


PLEASE LEAVE THESE INSTRUCTIONS WITH THE USER OR AT THE GAS METER AFTER INSTALLATION OR SERVICING.

ABBREVIATIONS:

∅ Diameter
RS Room sealed flue

SYMBOLS:

 Cutting required

 No cutting required

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SAFETY &
REGULATIONS

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PRE-
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SAFETY PRECAUTIONS

IF YOU SMELL GAS:

- X** DON'T SMOKE OR STRIKE MATCHES.
- X** DON'T TURN ELECTRICAL SWITCHES ON OR OFF.
- ✓ DO PUT OUT NAKED FLAMES.
- ✓ DO OPEN DOORS AND WINDOWS.
- ✓ DO KEEP PEOPLE AWAY FROM THE AREA AFFECTED.
- ✓ DO TURN OFF THE CONTROL VALVE AT THE METER.
- ✓ DO CALL YOUR GAS COMPANY.

BENCHMARK:

A Benchmark check list is provided by the manufacturer at the rear of the appliance instruction manual for the installer to complete, including their CORGI registration number, to confirm that the boiler has been installed, commissioned and serviced according to the manufacturer's instructions.

IMPORTANT: The completed Benchmark check list will be required in the event of any warranty work and may be required by the local Building Control Inspector.

FITTING & MODIFICATIONS:

Fitting the flue system may only be carried out by a competent engineer in accordance with these instructions and the relevant Installation Regulations.

Flue systems must not be modified in any way other than as described in the fitting instructions.

Painting of the plume management kit is not permitted.

Any misuse or unauthorised modifications to the flue or associated components could invalidate the warranty. The manufacturer accepts no liability arising from any such actions, excluding statutory rights.

- Flue terminals must be positioned to avoid combustion products entering into buildings.
- The flue must be fitted and terminated in accordance with the recommendations of BS5440 : Part 1.
- The flue must not cause an obstruction.
- Discharge from the flue outlet must not be a nuisance.
- Flue gases have a tendency to plume and in certain weather conditions a white plume of condensation will be discharged from the flue outlet which could be regarded as a nuisance.
- There should be no restriction preventing the clearance of combustion products from the terminal.
- The air inlet/outlet duct and the terminal of the boiler must not be closer than 25mm to any combustible material. Detailed recommendations on protection of combustible materials are given in BS 5440:1
- A protective terminal guard must be fitted if the terminal is 2m or less above a surface where people have access. The guard must be spaced equally (minimum 50mm) around the flue and fixed to the wall with plated screws.

SERVICING:

The appliance and flue system should be regularly serviced by a competent, qualified engineer (such as British Gas or other CORGI registered personnel) using approved spares, to help maintain the economy, safety and reliability of the appliance.

The plume management kit must be visually inspected - annually.

INSTALLATION REGULATIONS

Failure to install correctly could lead to prosecution.

The flue system and associated components must be installed only by a competent person in accordance with, and comply to, the current: Gas Safety (Installation & Use) Regulations 1998, Building Regulations, Building Standards (Scotland) (Consolidation), Building Regulations (Northern Ireland), IS 813 (Eire) and any other local requirements.

The relevant Standards should be followed, including:

BS5440:1 : Flues and ventilation for gas appliances of rated heating not exceeding 70kW (net) : Flues

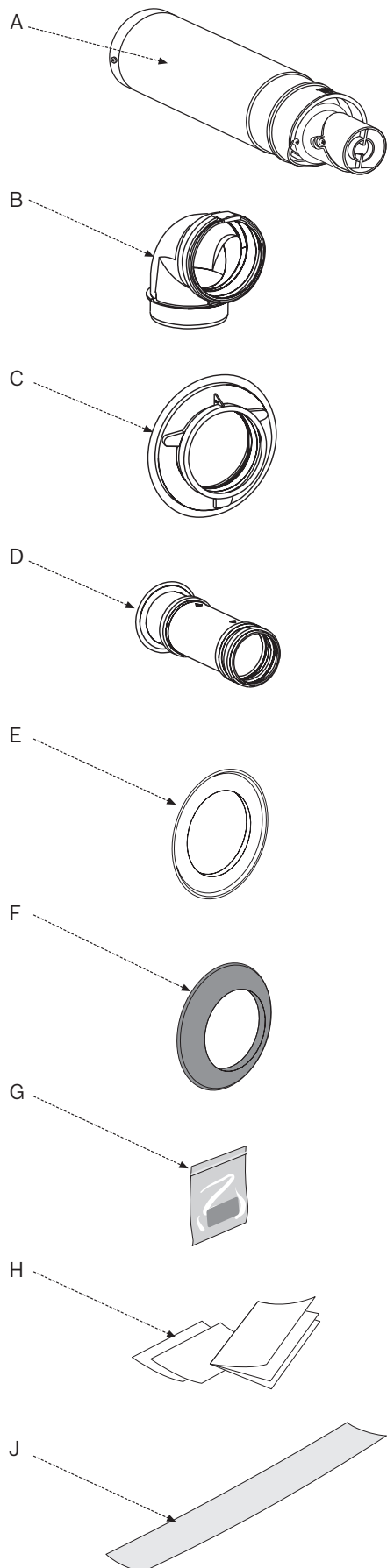
BS5440:2 : Flues and ventilation for gas appliances of rated heating not exceeding 70kW (net) : Air Supply

BS6798 : Installation of gas fired boilers of rated input up to 70kW (net)

Where no specific instruction is given, reference should be made to the relevant codes of Practice.

Timber framed buildings:

Where the flue system is to be fitted into a timber framed building the guidelines laid down in BS5440: Part 1 and IGE "Gas Installations in Timber Frame Buildings" should be adhered to.



TELESCOPIC FLUE COMPONENTS

Ø60/100mm TELESCOPIC FLUE KIT:

Part Number: 7 716 191 155 including:

- A TELESCOPIC FLUE ASSEMBLY:
- B 93° ELBOW.
- C FLUE CONNECTOR.
- D FLUE ADAPTOR.
- E WALL SEAL INNER.
- F WALL SEAL OUTER.
- G ACCESSORY PACK.
- H INSTALLATION INSTRUCTIONS & CHECK LIST.
- J ALUMINIUM TAPE.

PRODUCT
INFORMATION

FLUE EXTENSION COMPONENTS

Ø60/100 990mm EXTENSION KIT:

Part Number: 7 716 191 083 including:
A EXTENSION TUBE ASSEMBLY.
E GREASE PACK, CONTAINING 2 No.8.
SCREWS & GREASE SACHET.

Ø60/100 220mm SHORT FLUE EXTENSION:

B Part Number: 7 716 191 133
E GREASE PACK.

Ø60/100 90° BEND:

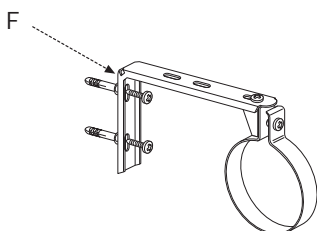
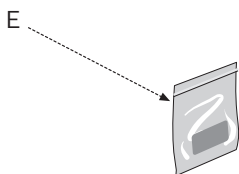
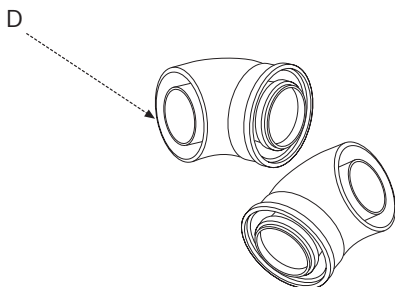
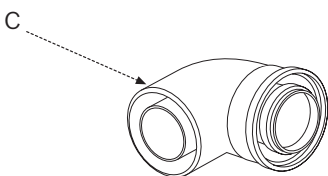
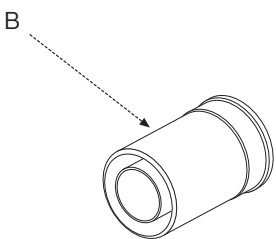
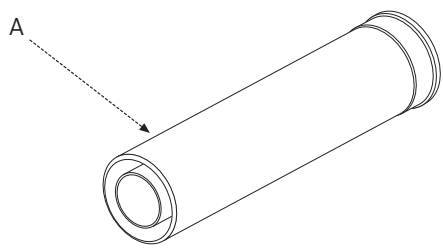
Part Number: 7 716 191 084 including:
C 90° BEND ASSEMBLY.
E GREASE PACK, CONTAINING 2 No.8.
SCREWS & GREASE SACHET.

Ø60/100 45° BEND:

Part Number: 7 716 191 085 including:
D 45° BEND x2.
E GREASE PACK, CONTAINING 2 No.8.
SCREWS & GREASE SACHET.

Ø60/100 BRACKET WALL FIXING KIT:

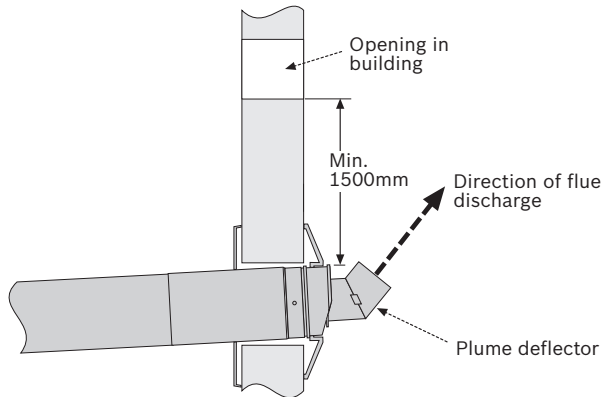
F Part Number: 7 716 191 092



PRODUCT
INFORMATION

TERMINAL OUTLET POSITIONS

REDIRECTING FLUE DISCHARGE FROM A Ø60/100mm TELESCOPIC FLUE TERMINAL



REDIRECTING THE FLUE DISCHARGE:

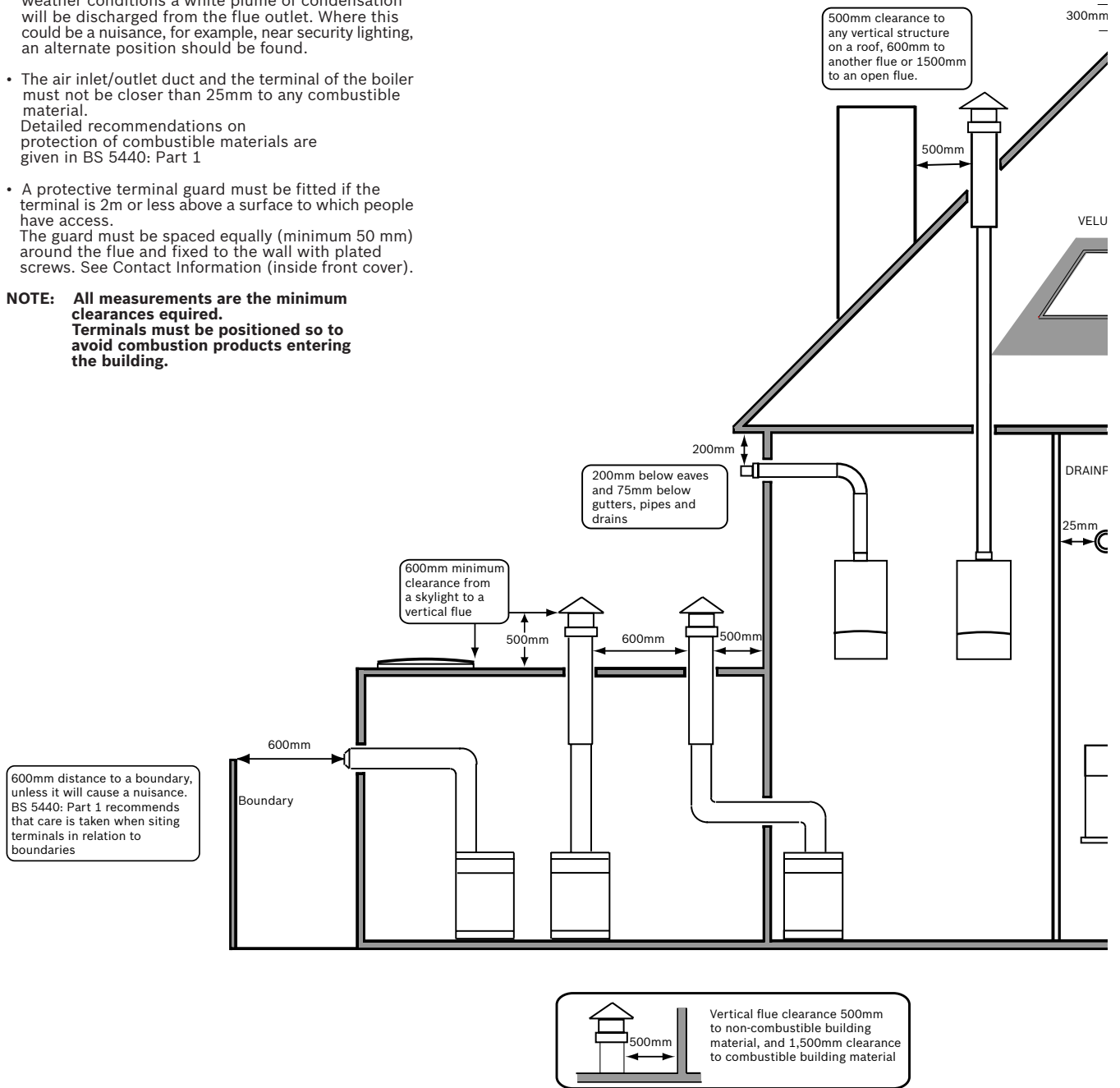
The Telescopic flue terminal plume deflector can be adjusted to redirect the flue discharge allowing some plume management control, alternatively, a complete plume management system can be fitted to the flue terminal.

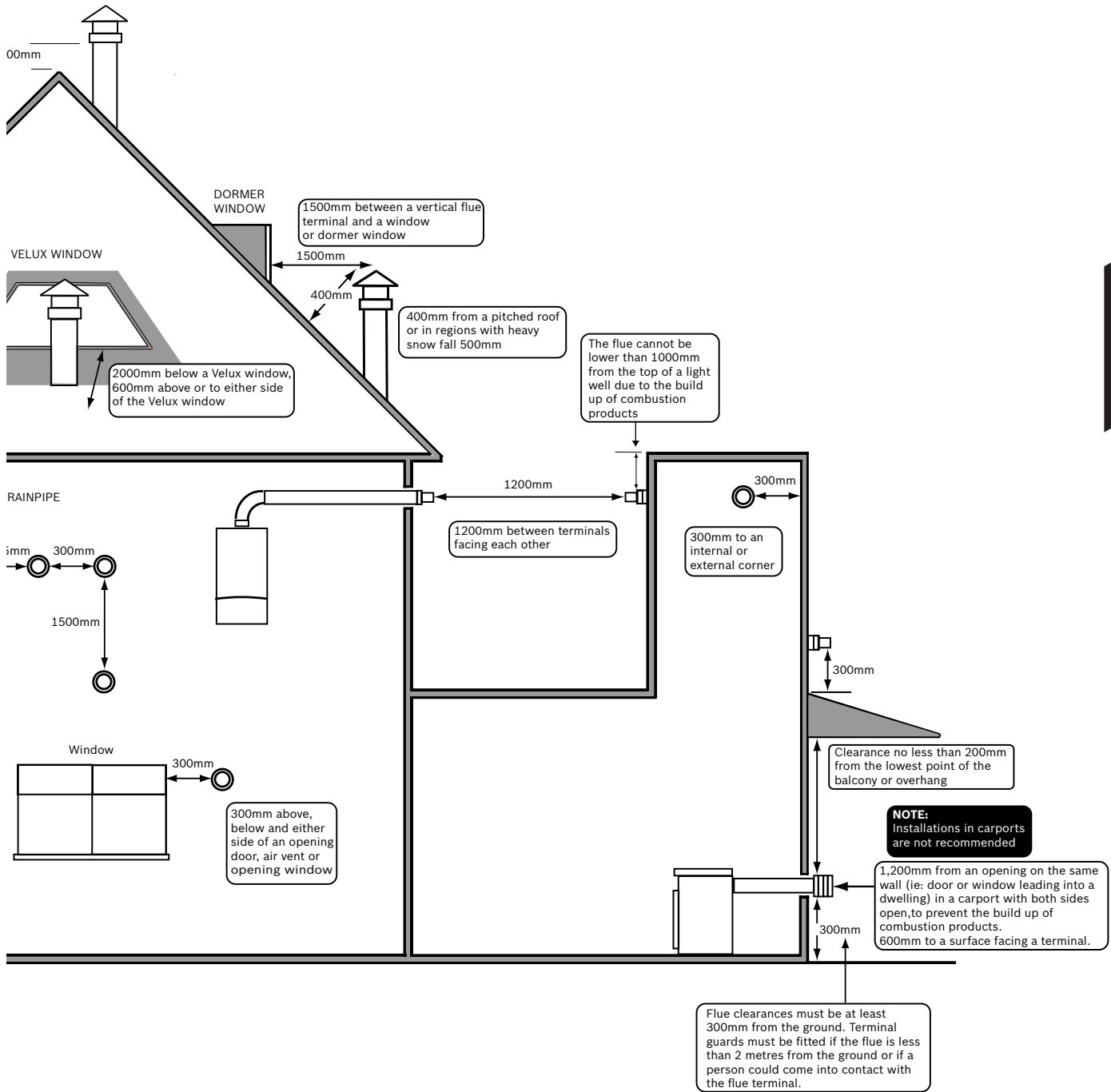
The flue terminal outlet position must follow those stated in the relevant appliance Instruction Manual and when redirecting the flue discharge the outlet terminal must also be at least 1500mm from any opening in the direction of the discharge to prevent combustion products from entering the building, as shown.

PRE-
INSTALLATION

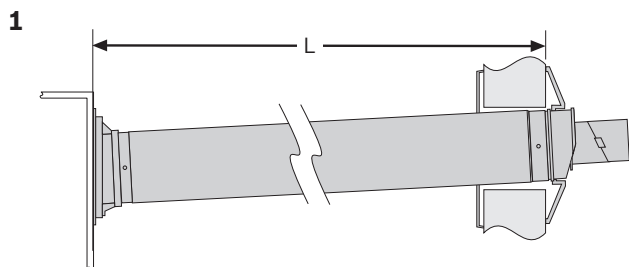
- The flue must be fitted and terminated in accordance with the recommendations of BS5440 : Part 1.
- The flue must not cause an obstruction.
- Discharge and any noise from the flue outlet must not cause a nuisance.
- Flue gases have a tendency to plume and in certain weather conditions a white plume of condensation will be discharged from the flue outlet. Where this could be a nuisance, for example, near security lighting, an alternate position should be found.
- The air inlet/outlet duct and the terminal of the boiler must not be closer than 25mm to any combustible material. Detailed recommendations on protection of combustible materials are given in BS 5440: Part 1
- A protective terminal guard must be fitted if the terminal is 2m or less above a surface to which people have access. The guard must be spaced equally (minimum 50 mm) around the flue and fixed to the wall with plated screws. See Contact Information (inside front cover).

NOTE: All measurements are the minimum clearances required. Terminals must be positioned so to avoid combustion products entering the building.





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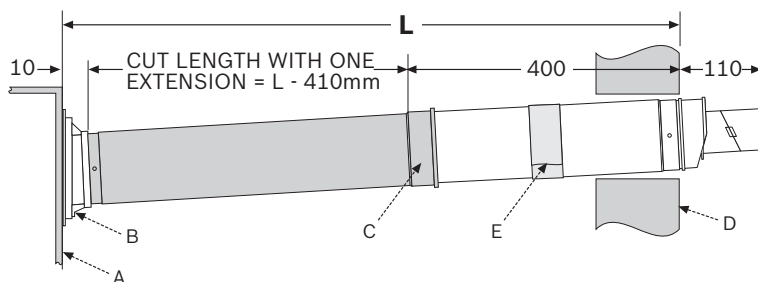


EFFECTIVE MAXIMUM STRAIGHT FLUE LENGTHS for Ø60/100mm Telescopic flue:

Appliance description	L max.
Greenstar FS 30CDi Regular	4000mm
Greenstar FS 42CDi Regular	4000mm
Greenstar Highflow 440CDi	4000mm
Greenstar Highflow 550CDi	4000mm

All dimensions in mm.

1 Example with one extension tube:



FLUE LENGTHS

Ø60/100mm HORIZONTAL TELESCOPIC FLUE LENGTHS:

The maximum effective straight flue lengths (L) are stated opposite for the relevant appliance and must not be exceeded.

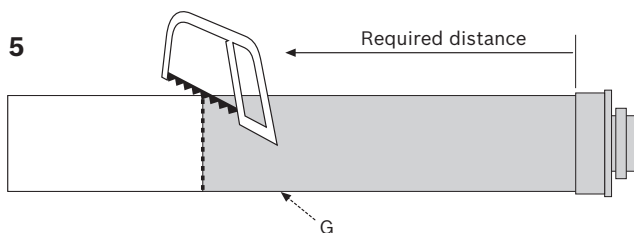
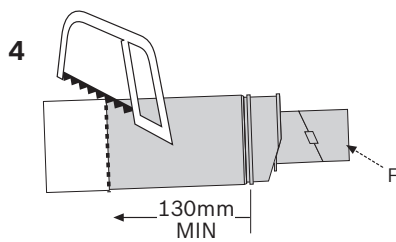
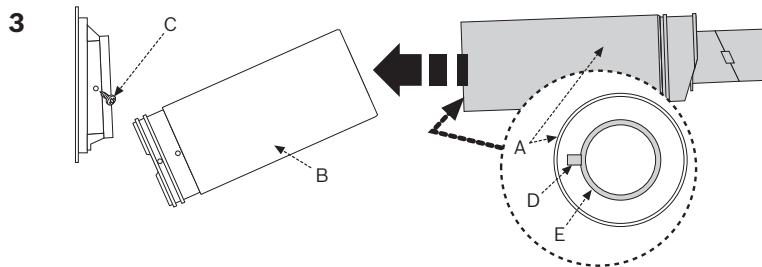
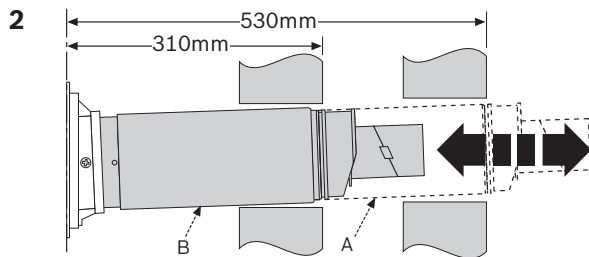
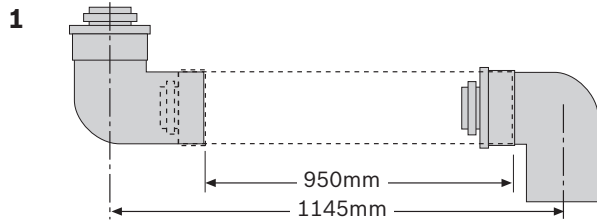
- ▶ Measure the total straight length (L) along the flue route, then add the following to length (L) to check the maximum flue length is not exceeded:
 - ▶ 2000mm for each 90° bend.
 - ▶ 1000mm for each 45° bend.

FLUE MEASURING & CUTTING

Do not exceed the maximum straight length for a horizontal Ø60/100mm flue or a Ø60mm plume management system (if used) as stated in the relevant appliance Instruction Manual or addendum.

Cutting the flue to an exact measure is not normally required as the telescopic flue terminal allows for adjustment.

- ▶ Measure the flue length (L) from the boiler inner case (A) along the flue route to the outside wall (D).
Note, the terminal end projects beyond the outside wall by the distance shown opposite.
 - A - Boiler inner case.
 - B - Flue connector.
 - C - Flue extension tube socket.
 - D - Outside wall.
 - E - Aluminium tape over terminal screwed joint.



FLUE MEASURING & CUTTING

Flue bends:

- ▶ Connecting flue bends increases the effective pipe length and an allowance must be made for the different connectors. The example opposite shows dimensions for two 90° bends connected to a standard flue extension.

Adjusting the standard terminal length:

- ▶ Extend tube (A) by withdrawing from tube (B) to achieve the flue length required, 310- 530mm.

▶ Secure with screw provided and seal joint with the aluminium tape supplied.

Reducing the standard terminal length:

- ▶ Remove securing screws (C) to detach the terminal assembly from the connector.
 - ▶ Slide terminal section (B) from the terminal assembly and discard.
 - ▶ To use terminal (A) without cutting remove the location lug (D) on the inner flue tube (E) and remove any burrs.

To reduce the terminal length further:

- ▶ Mark the length required for the terminal (F) as shown (min. 130mm) and cut square, taking care not to damage the tubes.
 - ▶ Remove any burrs and chamfer the outer edge of the tubes to assist ease of connection and prevent seal damage.

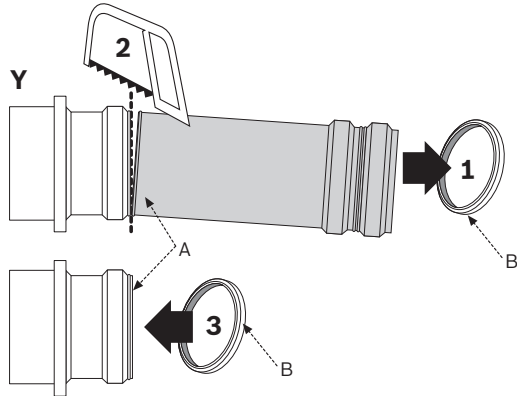
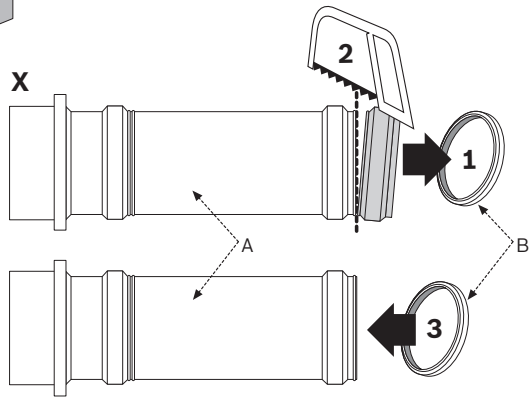
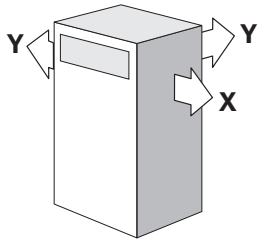
NOTE: The aluminium tape is not required when reducing the terminal.

Reducing extended flue tube length:

Only cut straight extension tubes

- ▶ Mark flue extension (G) to the required distance measuring from the socket end and cut square taking care not to damage the tubes.
 - ▶ Remove any burrs and chamfer the outer edge of the tubes to assist ease of connection and prevent seal damage.

PRE-
INSTALLATION

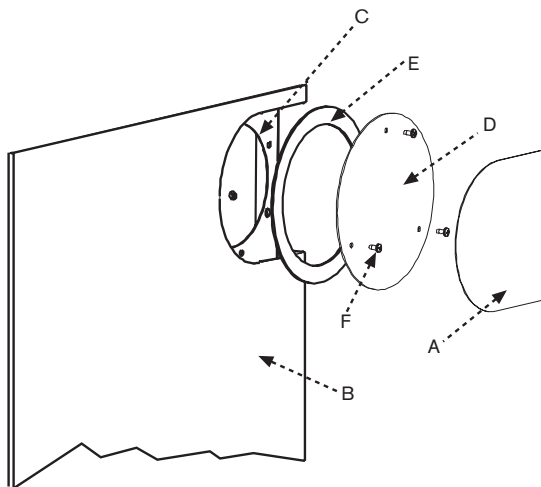


FLUE MEASURING & CUTTING

FLUE OUTLETS (X or Y):

- 1 ▶ Remove seal (B) from flue adaptor (A).
- 2 ▶ Cut square to mark, as shown, deburr and clean.
- 3 ▶ Replace seal (B).

INSTALLATION



CONVERT FROM REAR FLUE OUTLET:

The boiler is supplied ready to fit a rear flue outlet. To flue from the sides or top of the boiler, follow the procedure below:

- 1 ▶ Remove the required side or top 'knock-out' panel (A) from the outer casing (B).
- 2 ▶ Remove the flue outlet blanking plate comprising: cover (D) and gasket (E) from the inner casing (C) by removing the three screws (F).
- 3 ▶ Refit the outlet blanking plate over the rear flue outlet.

STANDARD FLUE INSTALLATION

NOTE: to ease assembly of the flue components, grease seals lightly with the solvent-free grease supplied.

Check all the seals are seated properly in the grooves provided and are in good condition.

All flue joints must be sealed to prevent leakage of condensate and flue products.

Installing the standard flue:

- 1 ▶ Set the flue terminal (B) to the distance required, secure with screw and seal joint with the aluminium tape supplied.
- 2 ▶ Slide the inner wall seal (C) onto the terminal (B) as shown.
 - ▶ If fitting from inside the building; slide the outer wall seal (K) onto terminal (B).
- 3 ▶ Position terminal (B) through the flue opening in the wall to the outside of the building by the distance shown.

▶ **The flue terminal (B) MUST be fitted with the 'TOP' uppermost to allow the correct fit and use of the plume management system.**

- ▶ If fitting from the outside of the building; slide the outer wall seal (K) onto terminal (B) to fit against the outer wall.

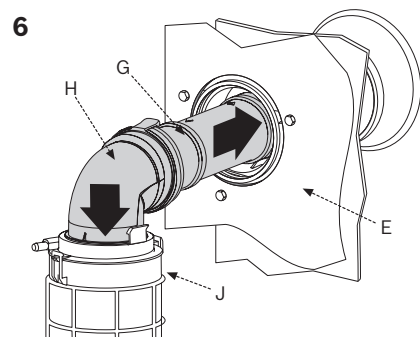
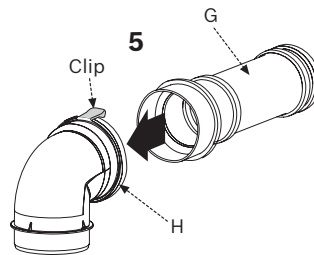
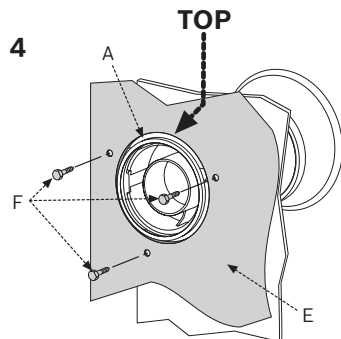
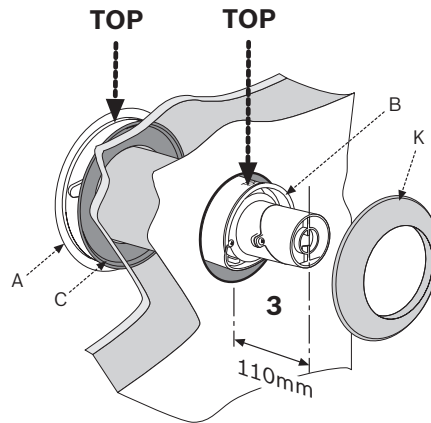
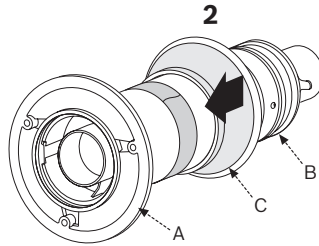
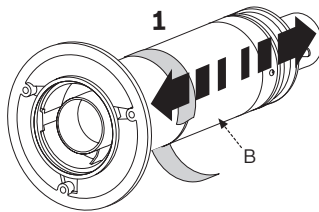
- 4 ▶ Roll the boiler into position on the floor mounting frame.

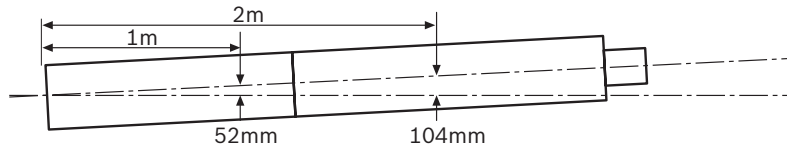
- ▶ Position connector (A) with 'TOP' uppermost to align with the three holes in the boiler inner casing (E).
- ▶ Secure using three hexagonal bolts (F).

- 5 ▶ Push-fit adaptor (G) into elbow (H) until secured by the clip.

- 5 ▶ Push-fit adaptor (G) into elbow (H) until secured by the clip.

- 6 ▶ Slide adaptor (G) into the inner flue tube of terminal (B) and push elbow (H) into flue outlet (J) until secured by the retaining clips ensuring a good seal is made.





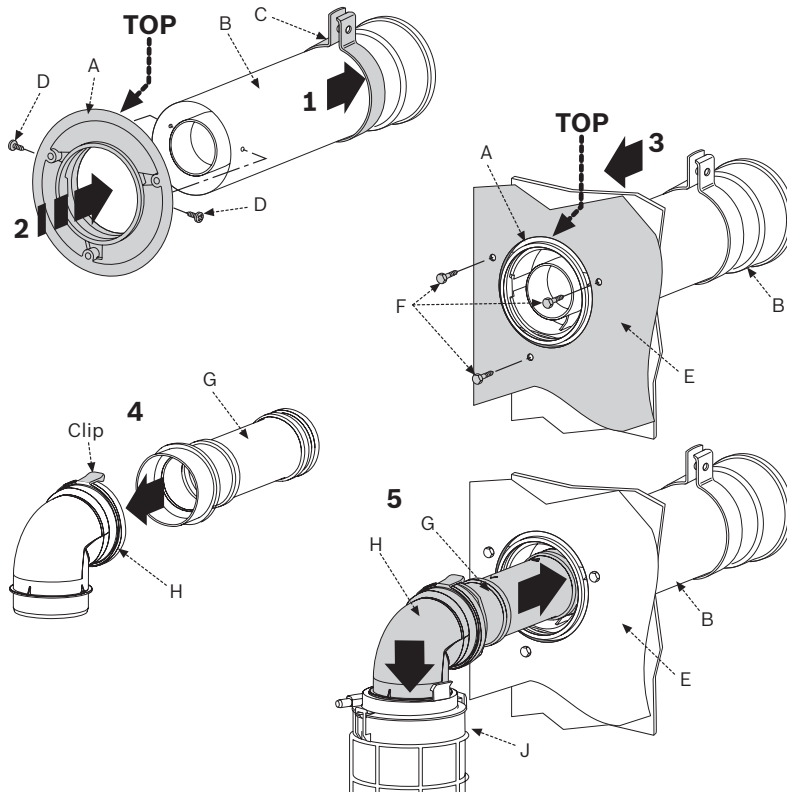
EXTENDED FLUE INSTALLATION

NOTE: to ease assembly of the flue components, grease seals lightly with the solvent-free grease supplied.

Check all the seals are seated properly in the grooves provided and are in good condition.

All flue joints must be sealed to prevent leakage of condensate and flue products.

All horizontal flue sections must rise by at least 52mm for each metre away from the boiler to ensure that condensate flows back into the boiler for safe discharge via the condensate waste pipe.



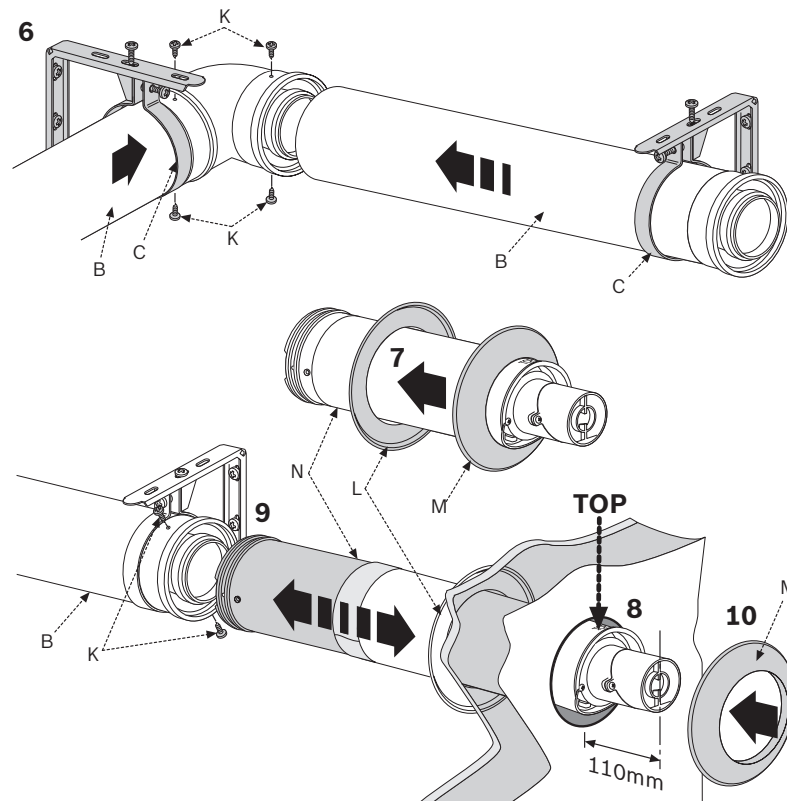
Installing an extended flue:

- 1 ▶ Slide a support clamp (C) (not supplied) onto a flue extension (B) as shown.
- 2 ▶ Secure connector (A) to flue extension (B) using two screws (D).
- 3 ▶ Support the weight of flue extension (B) and position connector (A) with 'TOP' uppermost to align with the three holes in the boiler inner casing (E).
 - ▶ Secure using three hexagonal bolts (F).
- 4 ▶ Push-fit adaptor (G) into elbow (H) until secured by the clip.
- 5 ▶ Push-fit the adaptor (G) into the inner flue tube of terminal (J) and push elbow (H) into flue outlet (J) until secured by the retaining clips.
- 6 ▶ Slide a support clamp (C) (not supplied) onto additional flue extensions (B).
 - ▶ Working from the boiler, fit the extension/s with support clamp/s as required, to take the weight of the flue.
 - ▶ Drill two holes (180° apart if possible) through the outer flue tube of each extension taking care NOT to drill the inner flue tube and secure with screws (K) as shown.
- 7 ▶ Slide the inner wall seal (L) onto terminal (N).
 - ▶ If fitting from inside the building; slide the outer wall seal (M) onto terminal (N) as shown.
- 8 ▶ Position terminal assembly (N) through the flue opening in the wall to the outside of the building by the distance shown.
- 9 ▶ Fit terminal assembly (N) into the last extension (B).

▶ The flue terminal (N) MUST be fitted with the 'TOP' uppermost to allow the correct fit and use of the plume management system.

▶ Drill the outer flue tubes and fix with screws (K).

- 10 ▶ If fitting from the outside of the building; slide the outer wall seal (M) onto terminal (N).



FLUE TERMINAL PLUME MANAGEMENT

The flue discharge can be redirected allowing some plume management control, alternatively, a complete plume management system can be fitted to the flue terminal.

Redirecting the flue discharge:

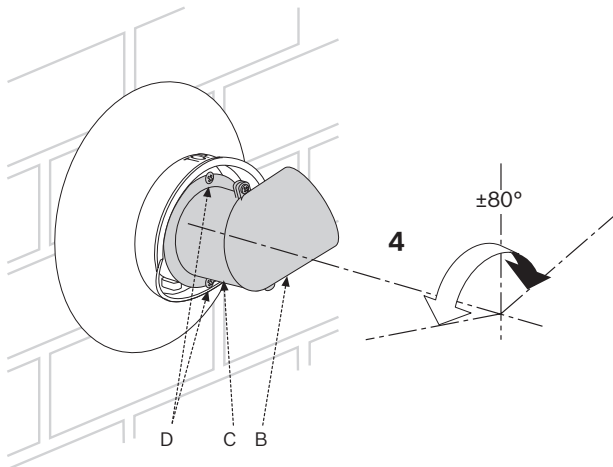
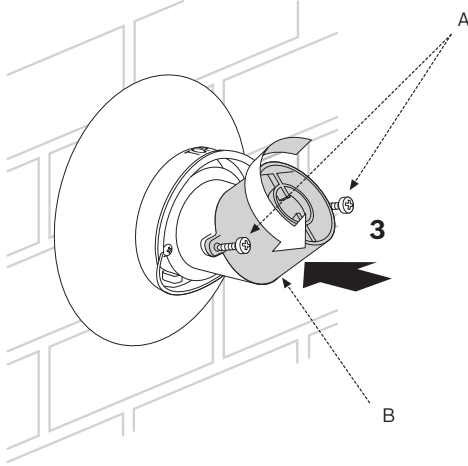
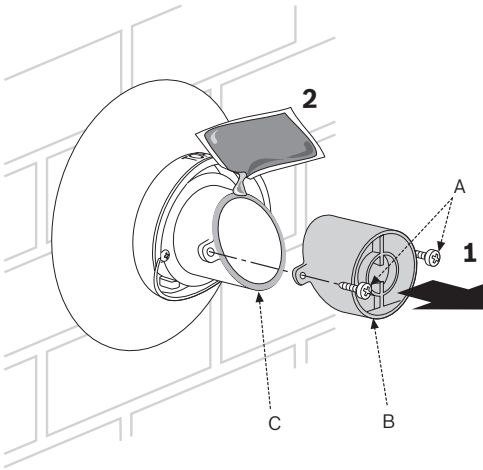
Important: should you wish to use the plume deflector please use the additional grease enclosed to ensure that an adequate seal is retained.

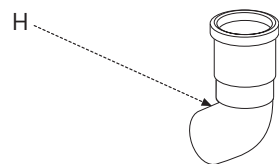
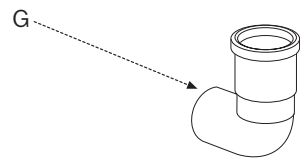
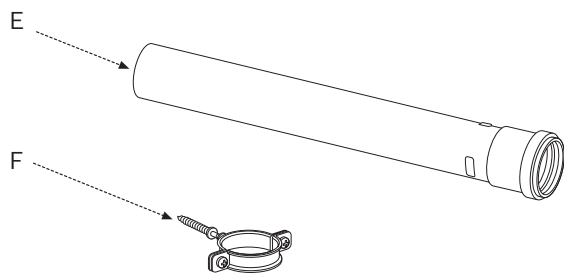
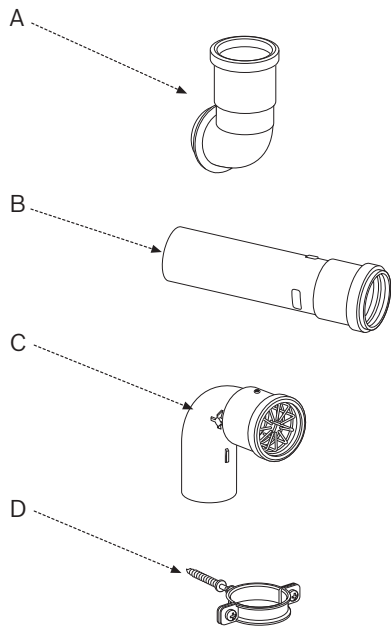
- 1 ▶ Remove screws (A) and terminal end (B).
- 2 ▶ Spread the extra grease supplied into the groove that runs around the terminal outlet (C) to ensure a good seal is retained.
- 3 ▶ Turn the detached end section (B) over to plume deflecting position, as shown and refit using screws (A).
- 4 ▶ Loosen screws (D) and rotate the terminal end (B & C) to redirect the plume.

DO NOT rotate the complete flue terminal assembly.

▶ Retighten screws (D) to secure in the required position.

NOTE: the flue terminal outlet has built-in stops to limit rotation for horizontal fluing to allow condensate to run back into the boiler for safe disposal. Do not attempt to force beyond the limit stops.





PLUME MANAGEMENT SYSTEM COMPONENTS

COMPONENTS Ø60mm PLUME MANAGEMENT KIT:

Part Number: 7 716 191 086 including:

- A TERMINAL BEND
- B EXTENSION 500mm
- C OUTLET ASSEMBLY
- D CLAMP PACK

EXTENSION COMPONENTS:

Ø60mm EXTENSION:

Part Number: 7 716 191 087 including:

- E EXTENSION 1000mm
- F CLAMP PACK

90° BEND:

Part Number: 7 716 191 088 including:

- G 90° BEND

45° BEND:

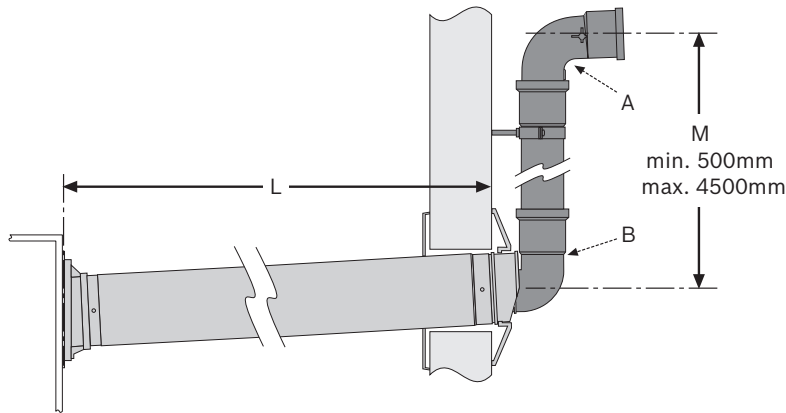
Part Number: 7 716 191 089 including:

- H 45° BEND x2

FLUE LENGTHS

Ø60/100mm HORIZONTAL TELESCOPIC FLUE LENGTHS with a Plume Management System:

The maximum effective straight flue lengths (L) are stated opposite for the relevant appliance together with the length (M) of the Plume Management system connected, these lengths must not be exceeded.

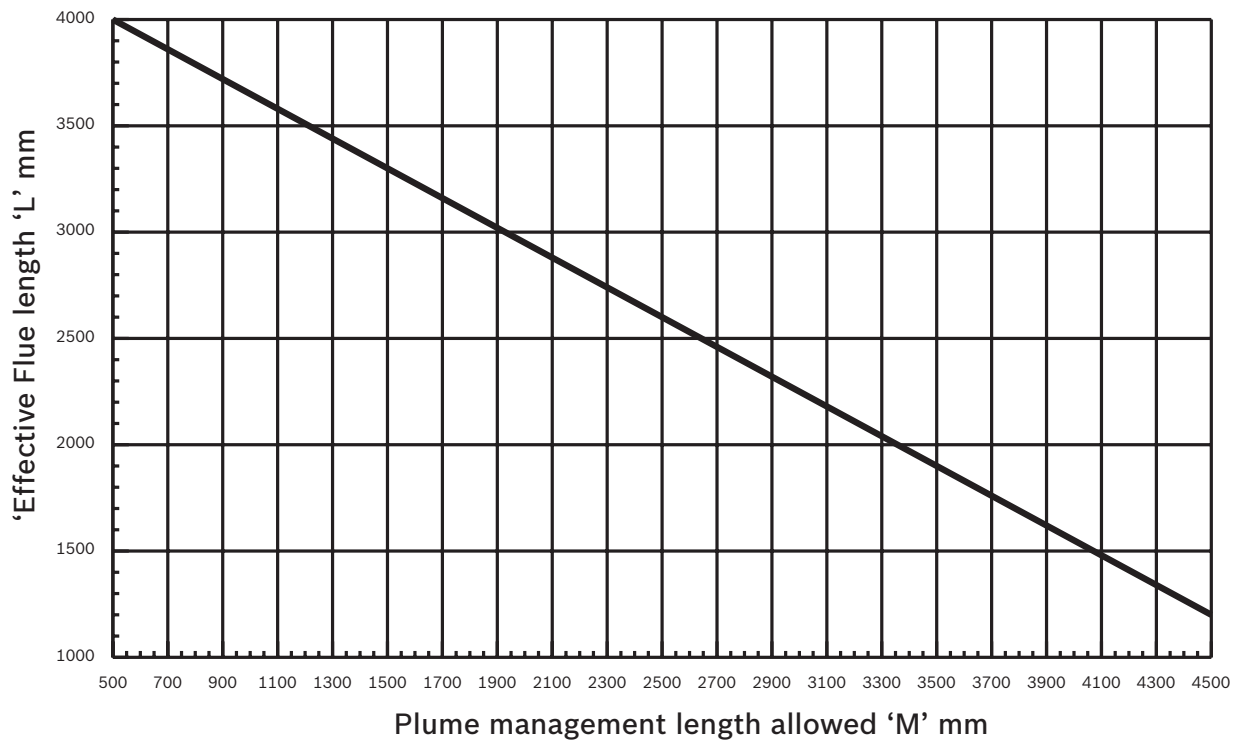


NOTE:

In addition to (A) & (B), no more than two 90° bends or four 45° bends (alternatively, one 90° bend and two 45° bends) can be added to the Plume management system.

Use the graph below to determine the permissible plume management length that can be used with your effective flue length 'L'. The effective flue length can be determined by adding together all the straight flue lengths and the effective lengths of the bends used, 2000mm for each 90° bend and 1000mm for each 45° bend (Refer to page 8 in this manual).

Flue length L versus plume management kit



PRE-
INSTALLATION

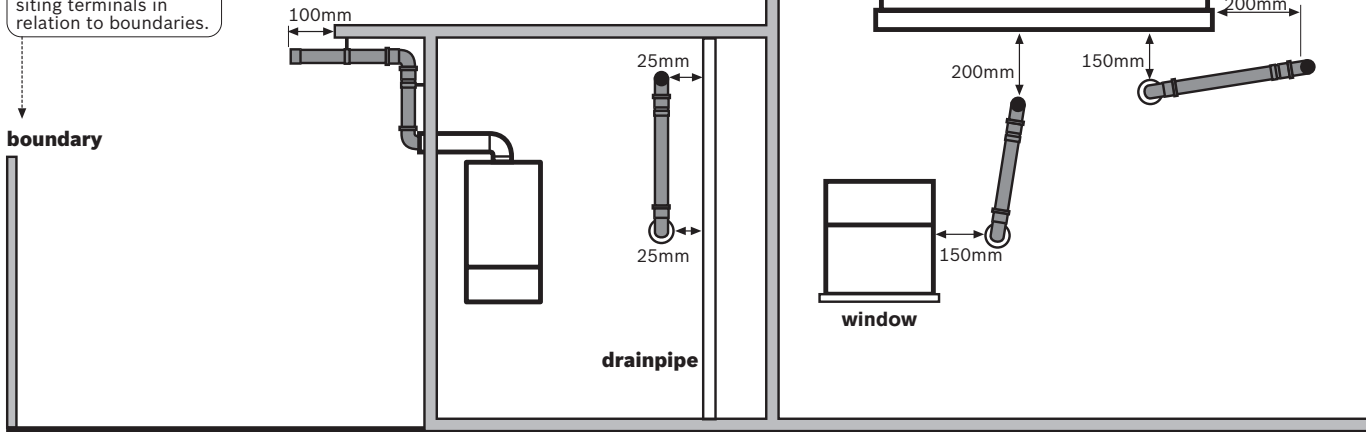
- The flue must be fitted and terminated in accordance with the recommendations of BS5440 : Part 1.
- The flue must not cause an obstruction.
- Discharge and any noise from the flue outlet must not cause a nuisance.
- Flue gases have a tendency to plume and in certain weather conditions a white plume of condensation will be discharged from the flue outlet. Where this could be a nuisance, for example, near security lighting, an alternate position should be found.
- The air inlet/outlet duct and the terminal of the boiler must not be closer than 25mm to any combustible material. Detailed recommendations on protection of combustible materials are given in BS 5440: Part 1

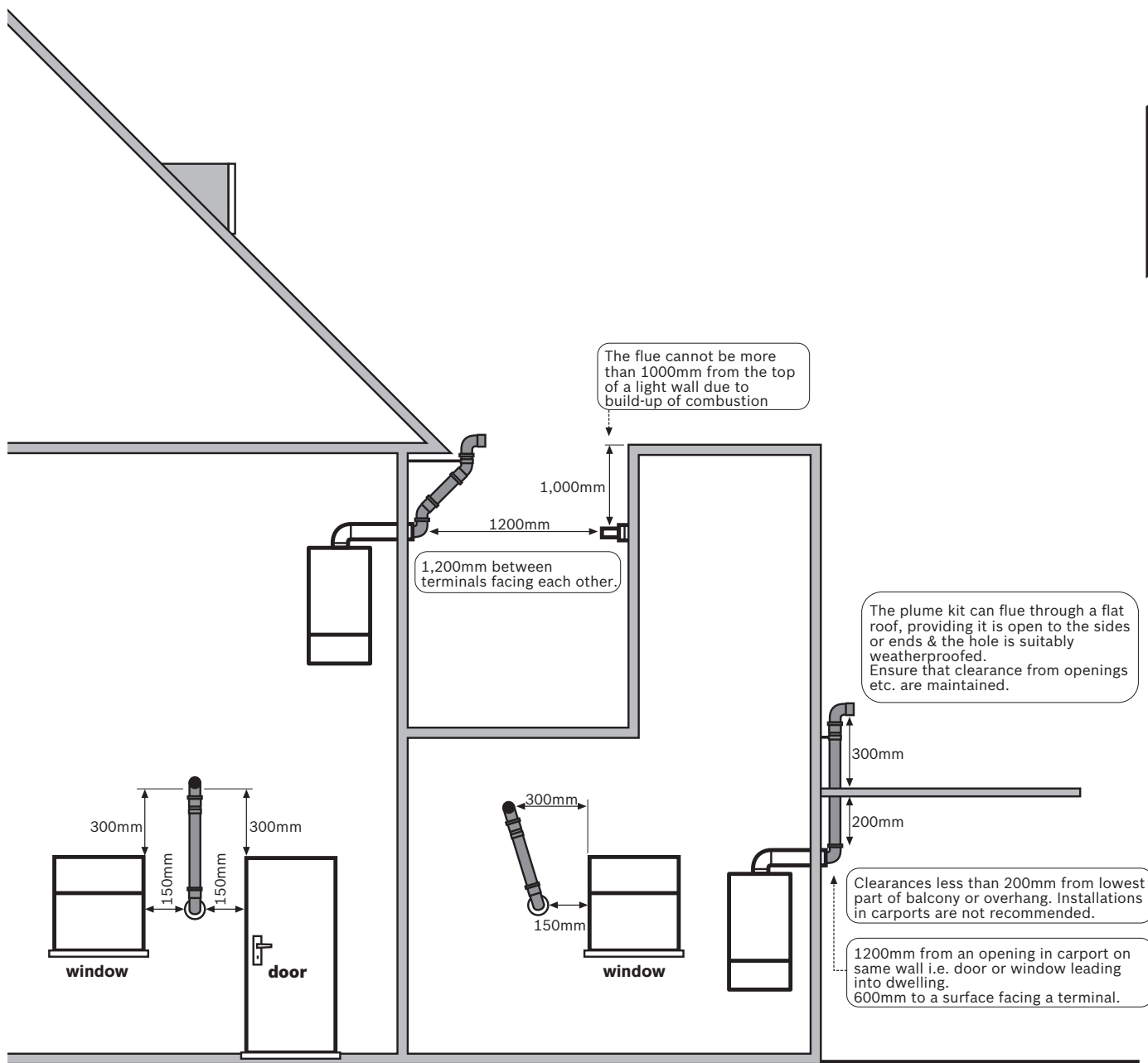
A protective terminal guard must be fitted if the terminal is 2m or less above a surface to which people have access. The guard must be spaced equally (minimum 50 mm) around the flue and fixed to the wall with plated screws. See Contact Information (inside front cover).

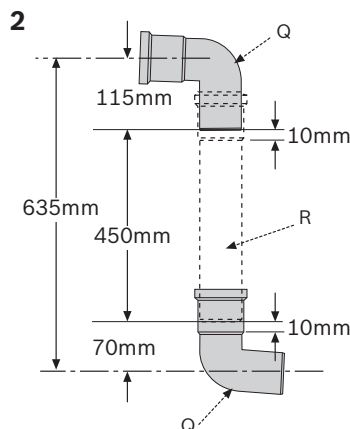
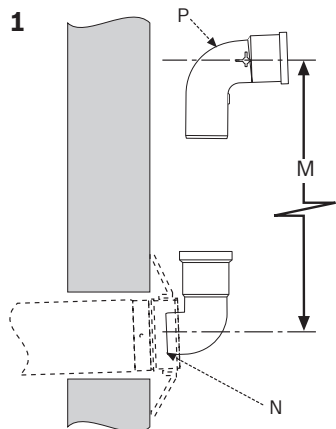
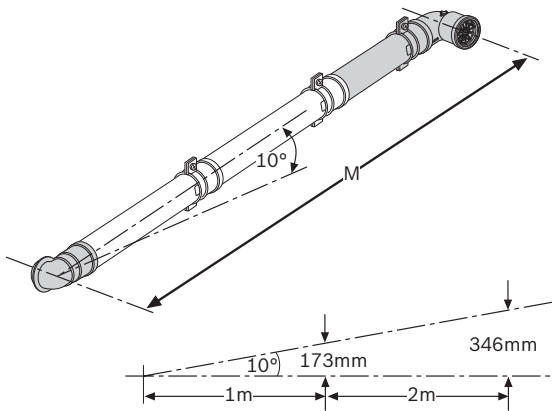
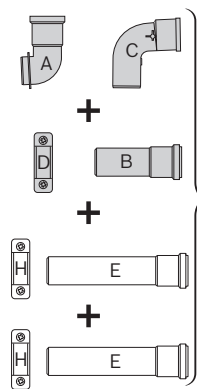
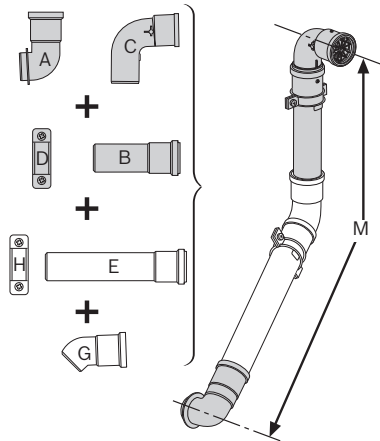
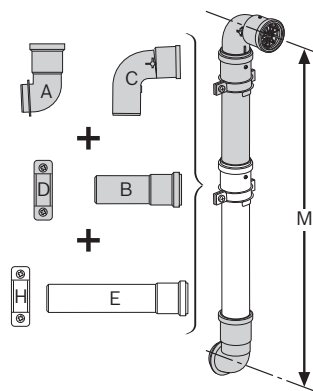
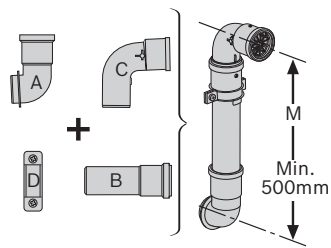
NOTE: All measurements are the minimum clearances required. Terminals must be positioned so to avoid combustion products entering the building.

600mm distance to a boundary, unless it will cause a nuisance. BS 5440-1 recommends that care is taken when siting terminals in relation to boundaries.

boundary



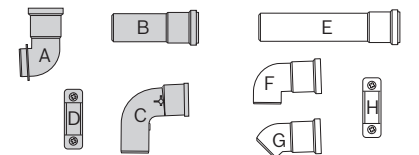




PLUME MANAGEMENT OPTIONS & MEASURING

The diagrams (opposite) show the components required for typical plume management configurations.

IMPORTANT:
All plume management sections must rise away from the terminal by a minimum of 173mm per metre (10°) to allow the condensate to drain back to the boiler.



- Plume management kit:
 A TERMINAL BEND
 B EXTENSION 500mm
 C OUTLET ASSEMBLY
 D CLAMP
- Plume management optional kits:
 E EXTENSION TUBE 1000mm
 F 90° BEND
 G 45° BEND
 H CLAMP

Measure (M) must be a minimum of 500mm and must not exceed the maximum straight length for a horizontal Ø60/100mm flue or a Ø60mm plume management system as stated in the relevant appliance Instruction Manual or addendum.

MEASURING FOR A PLUME MANAGEMENT SYSTEM:

All boilers have a maximum permissible plume management length (ie.4500mm). This distance is stated in the boiler literature.

- 1 ▶ Measure the plume management flue (M) from the centre of terminal (N), along the required route to the end of the plume outlet (P).

Additional bends:

- 2 ▶ Adding bends to the plume management system reduces the straight plume management length. An additional 90 degree bend reduces the straight flue length by 1500mm and an additional 45 degree bend reduces the straight flue length by 750mm.

For example:
 Using two 45 degree bends will reduce the permissible length by 1500mm. The maximum straight plume management length is 4500mm, therefore, the maximum length of the straight sections used with the bends is 3000mm.

STANDARD PLUME MANAGEMENT INSTALLATION

NOTE: to ease assembly of the flue components, grease seals lightly with the solvent-free grease supplied.

Check all the seals are seated properly in the grooves provided and are in good condition.

All flue joints must be sealed to prevent leakage of condensate and flue products.

Fitting the standard plume management system:

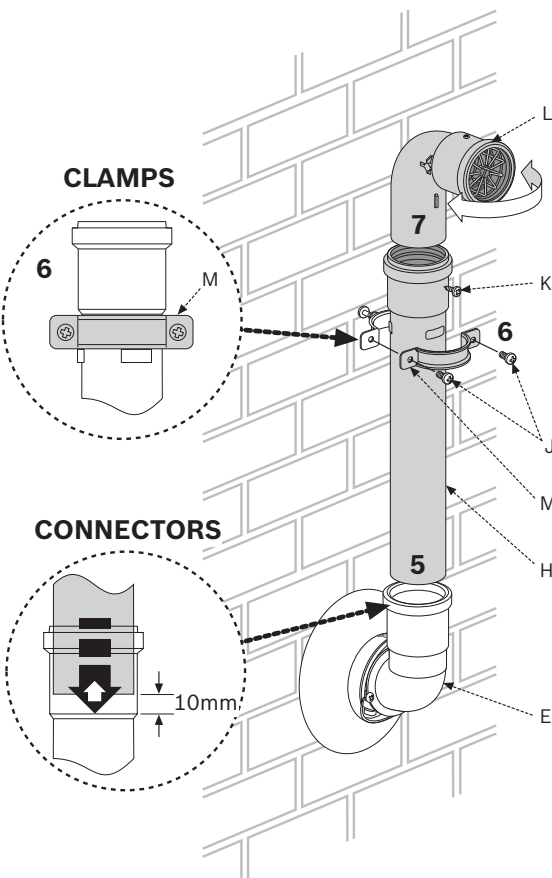
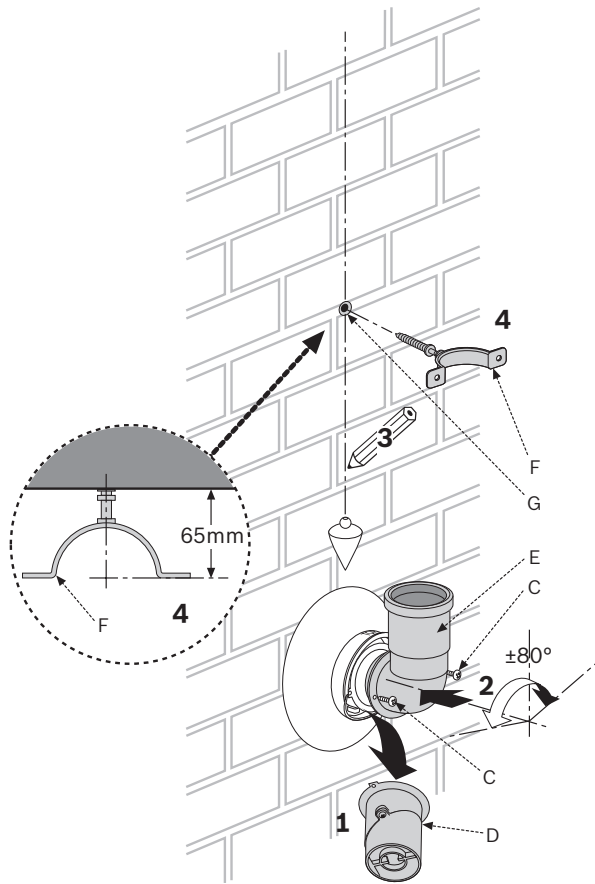
- 1 ▶ Remove screws (C) and discard the complete terminal end (D).
- 2 ▶ Fit the terminal bend (E) to the terminal outlet and refix screws (C) to secure.
 - ▶ Rotate terminal bend (E) for angled fluing.

DO NOT rotate the complete flue terminal assembly.

NOTE: the flue terminal outlet has built-in stops to limit rotation for horizontal fluing to allow condensate to run back into the boiler for safe disposal. Do not attempt to force beyond the limit stops.

All plume management sections must rise by at least 173mm per metre (10°) from the terminal to ensure that condensate flows back into the boiler.

- 3 ▶ Mark, drill (protecting bend (E) from debris) and fit clamp wall plug (G).
- 4 ▶ Screw clamp (F) into wall plug (G) to the required distance as shown.
- 5 ▶ Push-fit the extension tube (H) as far as possible into bend (E), then withdraw 10mm to allow for expansion.
- 6 ▶ Secure extension (H) to wall with clamp (M) in position shown, using screws (J).
- 7 ▶ Push-fit outlet assembly (L) as far as possible into the extension tube (H).
 - ▶ Rotate the outlet assembly (L) to the direction required and secure to the extension (H) with self-tapping screw (K) supplied.



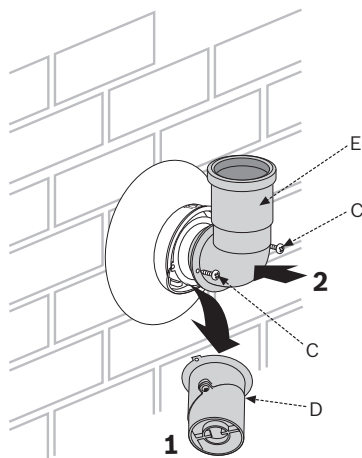
INSTALLATION

EXTENDED PLUME MANAGEMENT INSTALLATION

NOTE: to ease assembly of the flue components, grease seals lightly with the solvent-free grease supplied.

Check all the seals are seated properly in the grooves provided and are in good condition.

All flue joints must be sealed to prevent leakage of condensate and flue products.



- 1 ▶ Remove screws (C) and discard the complete terminal end (D).
- 2 ▶ Fit the terminal bend (E) to the terminal outlet and secure reusing screws (C).
- 3 ▶ Rotate terminal bend (E) for angled fluing.

DO NOT rotate the complete flue terminal assembly.

NOTE: the terminal bend (E) has built-in stops to limit rotation for horizontal fluing to allow condensate to run back into the boiler for safe disposal. Do not force the bend beyond its limit stops.

All plume management sections must rise by at least 173mm per metre (10°) from the terminal to ensure that condensate flows back into the boiler.

- 4 ▶ Mark, drill (protecting bend (E) from debris) and fit clamp wall plugs (G).
- ▶ Screw clamps (F) into wall plugs (G) to the required distance as shown.

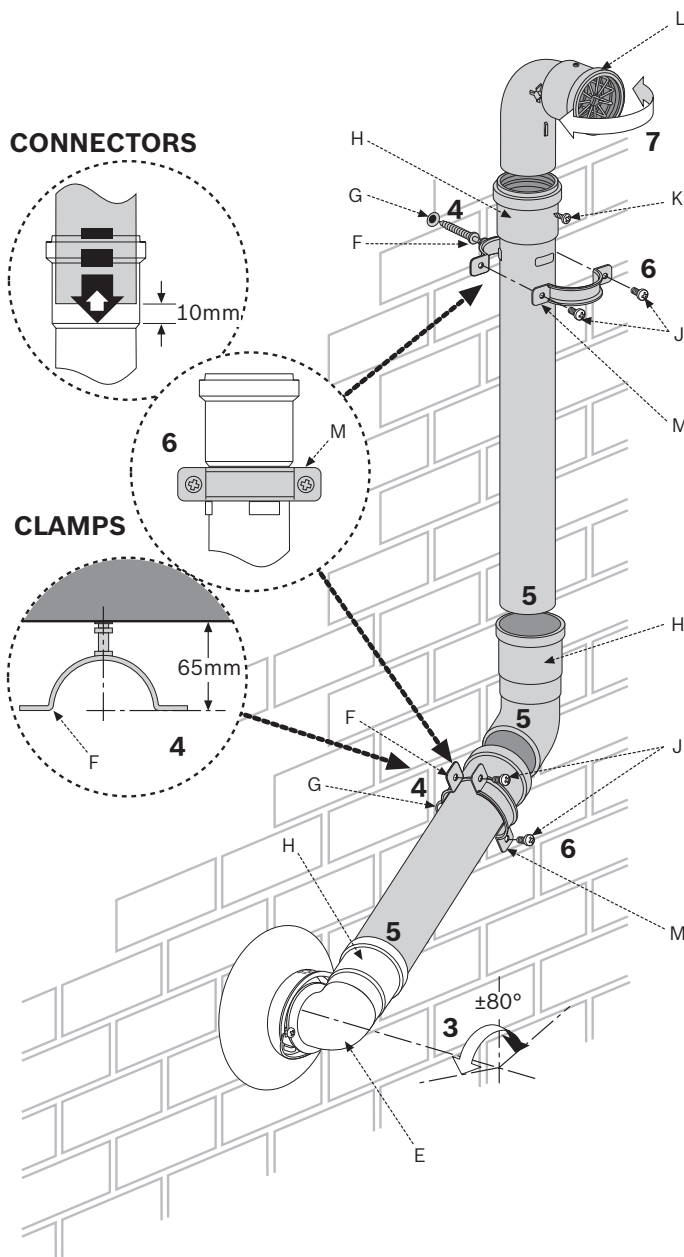
Work from the terminal bend (C) connecting and clamping to support the weight of the extensions.

- 5 ▶ Push-fit the extension tubes/bends as far as possible into the connectors (H), then withdraw each one by 10mm to allow for expansion.

- 6 ▶ Align extension clamps (M) in position as shown and secure with screws (J).

- 7 ▶ Push-fit outlet assembly (L) as far as possible into the extension tube connector (H).

▶ Rotate the outlet assembly (L) to the direction required and secure to the extension with self-tapping screw (K) supplied.



SERVICING & SPARE PARTS

SERVICING & MAINTENANCE:

The plume management kit must be visually inspected - annually.

DO NOT paint the plume management kit!

SPARE PARTS:

Ø60/100mm Telescopic horizontal flue:

1 Flue Connector:

Part No. 8 716 114 137 0

2 Flue adaptor:

Part No. 8 718 680 382 0

3 Terminal outlet assembly:

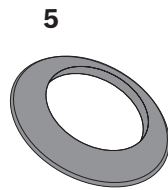
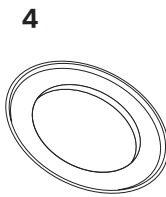
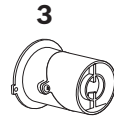
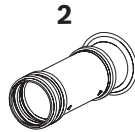
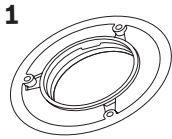
Part No. 8 716 111 209 0

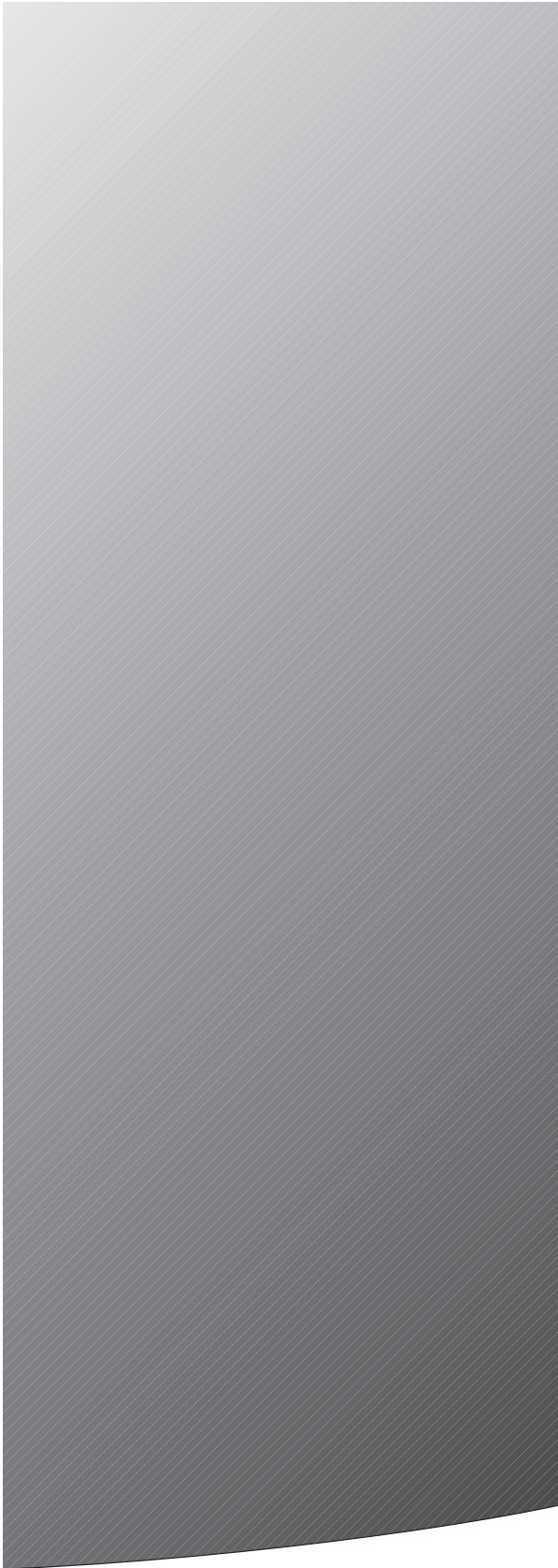
4 Wall seal inner:

Part No. 8 716 111 211 0

5 Wall seal outer:

Part No. 8 716 111 212 0





Dedicated to heating comfort
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