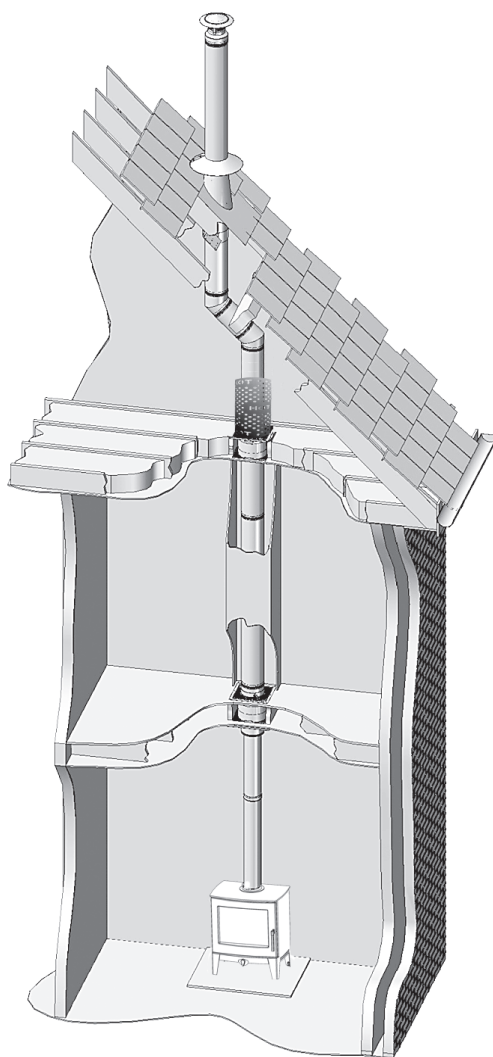




Stovax Professional XQ Chimney Systems



Instructions for Use, Installation & Servicing

IMPORTANT

Please read these Instructions carefully before installation or use.

The system must be installed in line with any local or national building regulations.

Keep these instructions in a safe place for future reference when servicing the system.

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

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Stovax Professional XQ Chimney Systems

Model: T450

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WARRANTY

The Stovax Professional XQ chimney system carries a 10 year conditional warranty for any defect due to faulty manufacture, this is provided that your system has been installed in accordance with our installation instructions, and has been used for the purpose it was designed for. In addition your system must be regularly cleaned, maintained and inspected (at least once a year, and more regularly if the appliance is used continuously or frequently) by a qualified chimney sweep. Written documentation to demonstrate the inspection and cleaning of the chimney by an appropriately qualified person must be kept to validate the ten year warranty.

Please check the Warranty Statement at the back of these instructions or on the Stovax website www.stovax.com for up-to-date list of conditions.

CHIMNEY COMMISSIONING SHEET

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

Stovax retailer the system was purchased from:

Name:

Address:

Telephone number:

Essential information - MUST be completed:

Date Installed:

Appliance Description or Model:

Description of chimney system:

Installation Designation: EN 1856-1:2009 DN(125-200) T450-N1-D-V2-L50050-G50

Nominal Size (mm): 125/150/175/200

Distance to combustibles (mm): **50mm minimum**

Installation Engineer:

Company Name:

Address:

Telephone number:

Company Number:

Installer Number:

Reference Number:

Commissioning Checks - to be completed and signed:

Is flue system correct for the appliance	YES ☐	NO ☐
Soundness test completed	YES ☐	NO ☐
Smoke test completed on installed appliance	YES ☐	NO ☐
Spillage test complete	YES ☐	NO ☐
Installed in accordance with the Competent Persons Scheme	YES ☐	NO ☐
Registered with Local Building Control	YES ☐	NO ☐

Signature: Print Name:

DECLARATION OF PERFORMANCE

Professional_XQ_UKCE_DoP



DECLARATION OF PERFORMANCE

according to Regulation (EU) 305/2011



1. Unique identification code of the product type:			
Professional XQ - factory made metal chimney system			
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):			
Professional XQ, DN (125-200) T450 N1 D V2 L50050 G50			
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:			
Used to convey the products of combustion from appliances to the outside atmosphere			
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):			
SF Limited, Pottington Business Park, Barnstable, Devon EX31 1LZ			
5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):			
Stovax Limited Spitfire Avenue Skypark Clyst Honiton EX5 2FR United Kingdom Tel: +44(0)1392 474000 Email: info@stovax.com www.stovax.com			
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:			
System 2+ (Flue system) & System 4 (Terminals)			
7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:			
The notified factory production control body BSI Assurance UK LTD (2797) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity 0086 CPR 740592			
9. Declared performance:			
Harmonised technical specification		EN 1856-1:2009 & EN 1443:2019	
Essential characteristics		Performance	
Compressive strength	Design load (Sections and Fittings): DN(125-200): 104.32kg Design Load (Support Components): DN(125-200): Maximum 12m		
Chimney sections, fittings and supports			
Resistance to fire	DN(125-200): T450 *Tested as per fig. 5 EN1856 with combustible enclosure, fully ventilated penetrations with ventilated fire stop plates		
Gas tightness / Leakage	DN(125-200): N1		
Flow resistance of chimney sections	Mean roughness: 1mm	Thermal resistance	0.42 m2K/W @ 200°C (Calculated)
Flow resistance of chimney fittings	As per EN 13384-1		
Thermal shock resistance		Flexural tensile strength	DN(125-200): Design Load 104.32 Kg
Sootfire resistance	DN(125-200): Pass	(only for means of connection for a chimney and fittings)	
Thermal performance under normal operating conditions	DN(125-200): T450		
Non vertical installations	Maximum 1.5m at 45°		
Components subject to wind load	Maximum length between lateral supports: 3m Maximum freestanding length above last support: DN(125-150): 2.0m DN(175-200): 1.5m		
Water and vapour diffusion resistance	DN(125-200): No	Durability against corrosion	DN(125-200): V2 L50050
Condensate penetration resistance	DN(125-200): No		
Freeze thaw	DN(125-200): Pass		
10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.			
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.			
Signed for and on behalf of the manufacturer by:			
 Ian Kingscott - Group Technical Director			
Exeter - 10 November 2022			

DECLARATION OF CONFORMITY



Professional_XQ_UKCA_DoP

DECLARATION OF CONFORMITY

as it has effect in the United Kingdom



1. Unique identification code of the product type:			
Professional XQ - factory made metal chimney system			
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):			
Professional XQ, DN (125-200) T450 N1 D V2 L50050 G50			
3. Intended use or uses of the construction product, in accordance with the applicable designated technical specification, as foreseen by the manufacturer:			
Used to convey the products of combustion from appliances to the outside atmosphere			
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):			
SF Limited, Pottington Business Park, Barnstable, Devon EX31 1LZ			
5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):			
Stovax Limited Spitfire Avenue Skypark Clyst Honiton EX5 2FR United Kingdom Tel: +44(0)1392 474000 Email: info@stovax.com www.stovax.com			
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:			
System 2+ (Flue system) & System 4 (Terminals)			
7. In case of the declaration of performance concerning a construction product covered by a designated standard:			
The notified factory production control body BSI Assurance UK LTD (2797) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity 0086 CPR 740592			
9. Declared performance:			
Technical specification		EN 1856-1:2009 & EN 1443:2019	
Essential characteristics		Performance	
Compressive strength	Design load (Sections and Fittings): DN(125-200): 104.32kg Design Load (Support Components): DN(125-200): Maximum 12m		
Chimney sections, fittings and supports	DN(125-200): T450		
Resistance to fire	*Tested as per fig. 5 EN1856 with combustible enclosure, fully ventilated penetrations with ventilated fire stop plates		
Gas tightness / Leakage	DN(125-200): N1		
Flow resistance of chimney sections	Mean roughness: 1mm	Thermal resistance	0.42 m2K/W @ 200°C (Calculated)
Flow resistance of chimney fittings	As per EN 13384-1		
Thermal shock resistance		Flexural tensile strength	DN(125-200): Design Load 104.32 Kg
Sootfire resistance	DN(125-200): Pass	(only for means of connection for a chimney and fittings)	
Thermal performance under normal operating conditions	DN(125-200): T450		
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Water and vapour diffusion resistance	DN(125-200): No	Durability against corrosion	DN(125-200): V2 L50050
Condensate penetration resistance	DN(125-200): No		
Freeze thaw	DN(125-200): Pass		
10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.			
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.			
Signed for and on behalf of the manufacturer by:			
 Ian Kingscott - Group Technical Director		Exeter - 10 November 2022	

PRODUCT IDENTIFICATION

The product is made up of 3 parts. The first 3 letters confirm the range of product, the second 3 numbers confirm the internal diameter in millimetres, the third 3 digits confirm the product code. For example:

Product Code: Diameter: 1000mmm Length
FXQ 150- 002

STORAGE

All Stovax Professional XQ items must be stored in their original packaging in a suitable dry location until they are required for installation. Before installing, all packaging must be removed.

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 seek expert advice.

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

Reference should be made to the requirements of the appliance manufacturers instructions.

This manual gives basic advice, the Stovax Professional XQ Chimney System should be installed by a competent[†] person, or approved by your local building control officer.

When completing the installation and building works you should comply with your responsibilities under the Health and Safety at Work Acts, and any new regulations, which may be introduced during the lifetime of these instructions. Particular attention should be drawn to:-

Handling: The flue system may be heavy. Adequate facilities must be available for loading, unloading and handling.

Asbestos: This flue system 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 flue to avoid personal injury.

Access: Ensure suitable and safe access is available when working at height and on roof areas.

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

For users of this Flue System:

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 an appliance and flue system.



[†] A competent person such as a Solid Fuel HETAS or OFTEC registered installer

FLUE DESIGNATIONS

Stovax Product Designations to EN 1856

0086-CPR-740592	Pro XQ	EN 1856-1	T450	N1	D	V2	L50050	G(50)
Standard Number		↑	↑	↑	↑	↑	↑	↑
Temperature Class			↑	↑	↑	↑	↑	↑
Pressure Class				↑	↑	↑	↑	↑
Condense Resistance D = Dry, W = Wet					↑	↑	↑	↑
Corrosion Class						↑	↑	↑
Material Specification Liner Grade 316L Liner Thickness:0.5mm							↑	↑
Sootfire Resistance G = Yes, O = No								↑

Single Skin Connecting Flue Pipe Designation to EN1856

0407-CPR-566	Pro XQ	EN 1856-2	T600	N1	D	V2	L80100	G(800)
Standard Number		↑	↑	↑	↑	↑	↑	↑
Temperature Class			↑	↑	↑	↑	↑	↑
Pressure Class				↑	↑	↑	↑	↑
Condense Resistance D = Dry, W = Wet					↑	↑	↑	↑
Corrosion Class						↑	↑	↑
Material Specification Liner Grade 316L Liner Thickness:0.5mm							↑	↑
Sootfire Resistance G = Yes, O = No								↑

SITE REQUIREMENTS & PRE-INSTALLATION

INTRODUCTION TO THE INSTALLATION OF YOUR SYSTEM

Stovax Professional XQ Chimney System is a factory made prefabricated twin wall flue system, suitable for use with domestic and commercial heating products.

The available specification is:-

T450 N1 VmL500 50 G50 which is suitable for use with high temperature gas, wood, multi-fuel and oil appliances with continuous flue operating temperatures of up to 450°C.

All local regulations, including those referring to national and European Standards need to be complied with when installing the flue system.

A site survey should be completed by a competent person before installing the system. They will be able to advise on the best method of installation for the property. This should give consideration to the heating appliance to be installed, the flue position within the building, surrounding buildings and obstacles, and exit position.

If the flue system is to be installed in a thatched property specialist advice will be required to ensure fire safety is maintained.

Any appliance fitted to the flue system should be installed and used as detailed in the appliance instructions, using only approved fuels.

The outer surface of the flue will become hot during use and should be protected against accidental contact with persons and combustible materials.

Stovax Professional XQ Chimney System is fully tested to BS476 Part 20:1987 for fire rating, as long as the system is installed in accordance with the installation instructions. The ventilated firestop components have been assessed to the stability requirements of BS 476 Part 20 and will achieve a fire resistance of 30 minutes when the chimney system is installed in accordance with the installation instructions.

Do not make unauthorised changes to the flue system.

CHIMNEY PLATE

When a new or refurbished flue system is completed it is a requirement that a notice plate is completed and fitted. This plate should be permanently fitted in an unobtrusive but obvious position in the building such as:-

Next to the electricity consumer unit.

Next to the chimney or hearth.

Next to the water supply stop cock.

A suitable Stovax XQ data plate is available (Part FXQ-081), see Diagram. The notice plate should be fitted as detailed and completed by the installer with an indelible marker pen.

STOVAX		IMPORTANT SAFETY INFORMATION This label must not be removed or covered	
PROFESSIONAL XQ™ CHIMNEY SYSTEM			
T450 N1 D V2 L50050 G50			
50mm → 			
Size (mm dia) Tick ✓	125	150	175 200
Property Address			
Hearth & chimney installed in (room)			
Suitable for a condensing appliance (Y / N)			
Installed by			
Installed on (date)			
Stovax Limited - Spitfire Avenue, Skypark, Clyst Honiton - Exeter - UK - EX5 2FR PM541-4			

GENERAL INSTALLATION INSTRUCTIONS

If possible the flue system should be located inside the building. This will help to keep a more consistent operating temperature, and improve appliance performance. External flue systems may become cold in the winter months, and lead to problems such as poor appliance lighting and operation.

When installing a T450 flue system ensure that the minimum clearance to combustible materials is maintained. In attic or loft spaces use a mesh shield to prevent any accidental contact with combustible materials. No additional insulation materials should be placed around the flue pipe.

The Minimum clearances to twin wall Pro XQ from combustible materials are:-

Product	Clearance to combustible material
T450 N 1 D V2 L500 50 G50	50mm

When designing the flue system the following should be considered:-

- a) The internal diameter of the flue system should not be less than the size specified by the appliance manufacturer.
- b) The minimum height for any solid fuel flue system is recommended to be 4.5m from the top of the appliance.
- c) The roof terminal position conforms to requirements defined by Document J of the UK Building Regulations.
- d) If the flue system extends more than 2m for 125 and 150mm or 1.5 for 175mm - 200mm above the roof or last support a roof bracing kit should be used.
- e) No joint should occur within any floor, ceiling or wall space.
- f) The length of the chimney between the elbows MUST NOT exceed 20% of the total vertical length of the chimney or no more than 1.5m at 45°.
- g) When providing a factory made metal chimney provision must be made to withdraw the appliance without the need to dismantle the chimney. See page 16 & 18 for information on Adjustable Lengths and Decorative Single to Twin Adapter.
- h) Where the system passes through a floor or ceiling space, shielding must be fitted to maintain clearances to combustible materials.
- i) The connection to the twin wall system should be in the same room as the appliance.
- j) The system should be fully supported along its full length as stated in Section 15, Page 20.
- k) Provision should be made to inspect and clean the flue.

Each joint is secured by locating the female socket end over the male spigot and twisting until it does not move. A locking band should then be used to secure the joint. Male ends should point upwards.

Exception: Female Elbow sockets are provided without locking tabs to enable ease of rotation for required direction for installation.

A chimney notice plate must be attached, as detailed in Approved Document J of the UK Building Regulations.

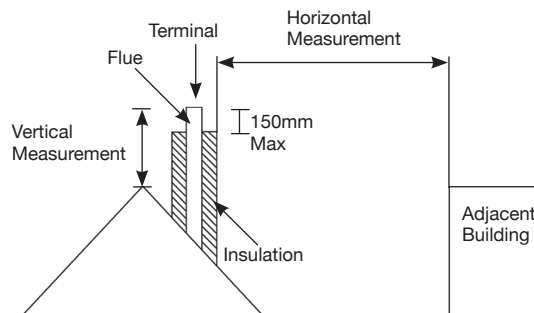
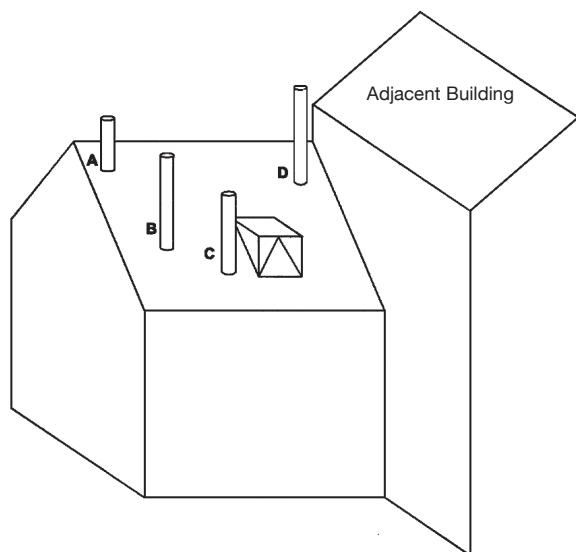
The finished system should be commissioned as detailed in the Commissioning Section on Page 37, and any significant faults rectified before the system is used with an appliance fitted.

These points are a guide to the correct installation of the Stovax Professional XQ Chimney system. For full installation details refer to the relevant sections of these instructions along with the requirements of the UK Building Regulations (England and Wales Document J / Domestic Technical Handbook for Scotland, Section 3/Northern Ireland Technical Booklet Part L), and any local regulations and working practices that may apply. Should any conflict occur between these instructions and the regulations then these instructions shall apply.

Before installation of this product please read these instructions fully.

FLUE OUTLET POSITIONS

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



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

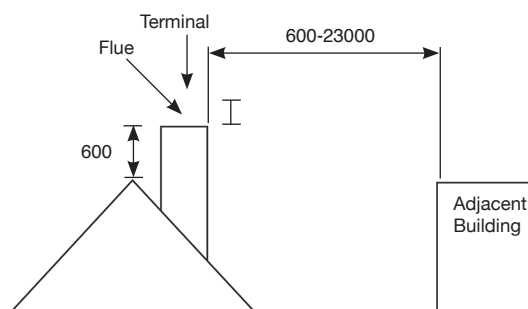
Point where the flue passes through weather surface (Notes 1 & 2)		Clearances to flue outlet
A	At or within 600mm of the ridge	At least 600mm above ridge
B	Elsewhere on roof (whether pitched or flat)	At least 2300mm horizontally from the nearest point on the weather surface and: a) at least 1000mm above 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

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.



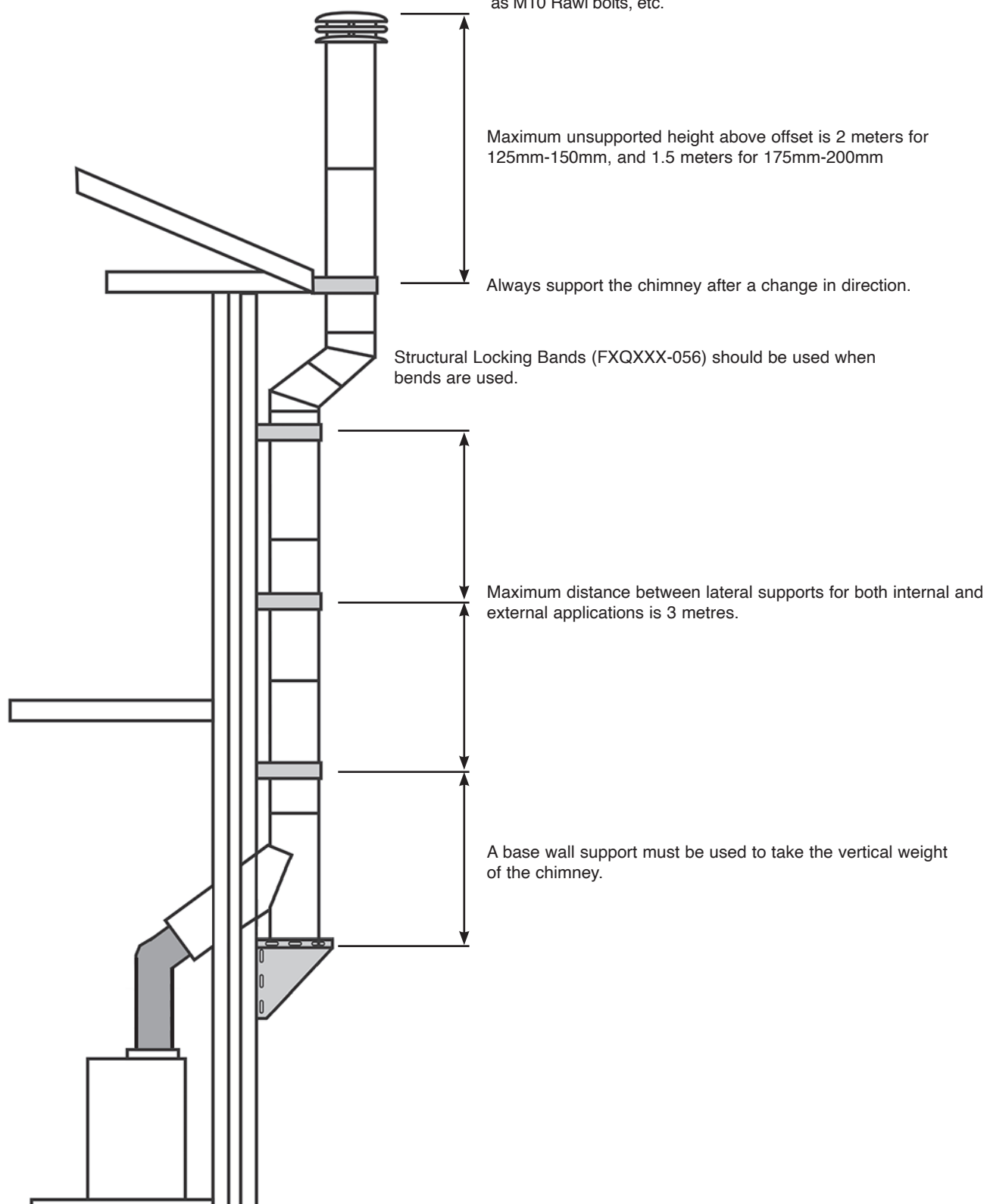
The datum for vertical measurement is the point of discharge of the flue from either the point of discharge of the flue or 150mm above insulation, whichever is the lower.

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

TYPICAL SUPPORT ARRANGEMENT FOR AN EXTERNAL CHIMNEY

The illustration shows a typical support arrangement for an external chimney. The vertical load of the chimney is provided by a support and spigot assembly (FXQXXX-027S).

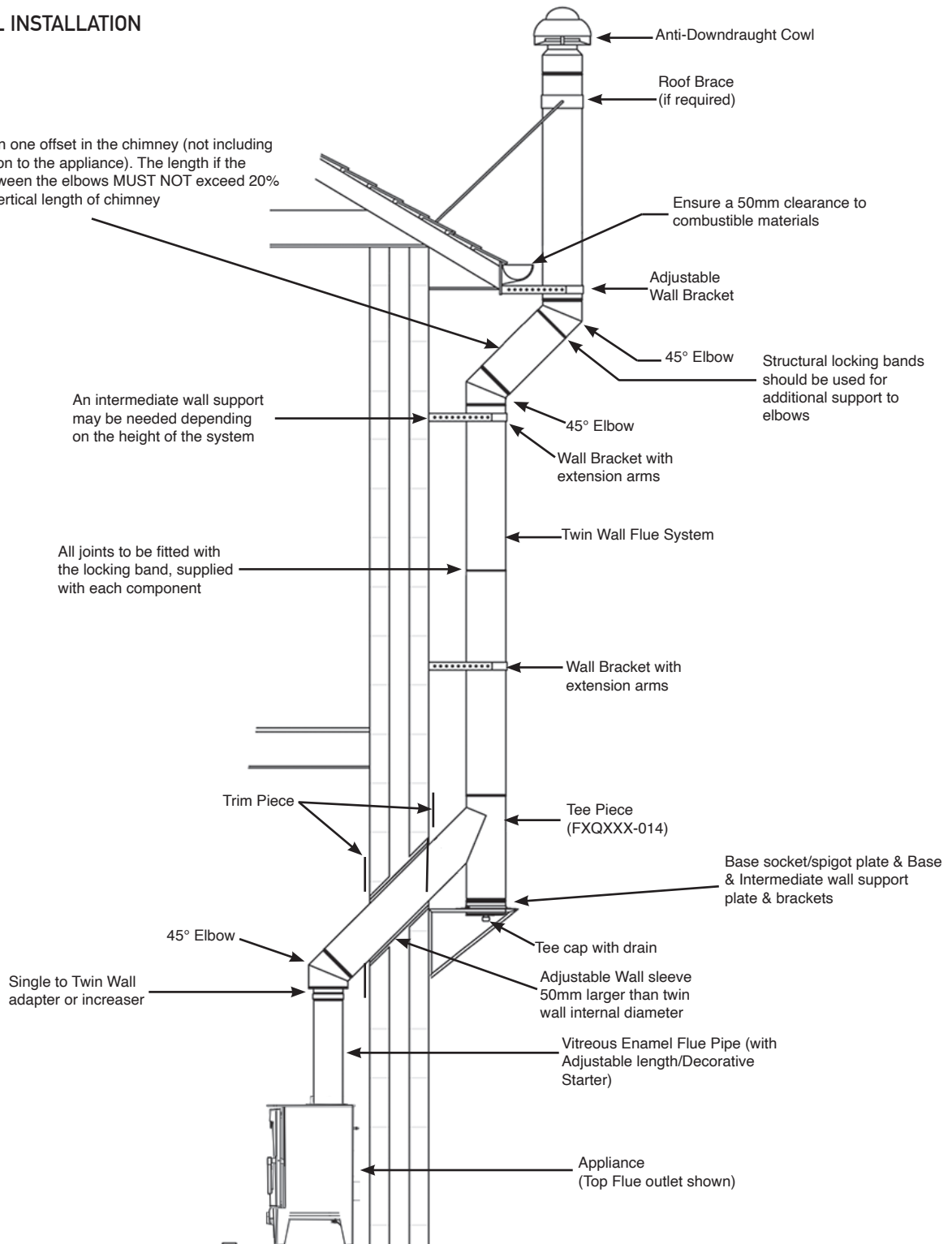
A removable condensate collector (FXQXXX-016) is fitted to the underside of the wall support assembly which can also be removed for sweeping. Wall bands (FXQXXX-030 and FXQXXX-030EXT) are then installed every 3 metres to provide lateral support. It is essential that adequate bracing is provided directly after an offset or change in direction. It is important that adequate fixings are used throughout the chimney system to anchor support components to the structure, such as M10 Rawl bolts, etc.



TYPICAL INSTALLATION CONFIGURATIONS

THROUGH WALL INSTALLATION

No more than one offset in the chimney (not including the connection to the appliance). The length if the chimney between the elbows MUST NOT exceed 20% of the total vertical length of chimney

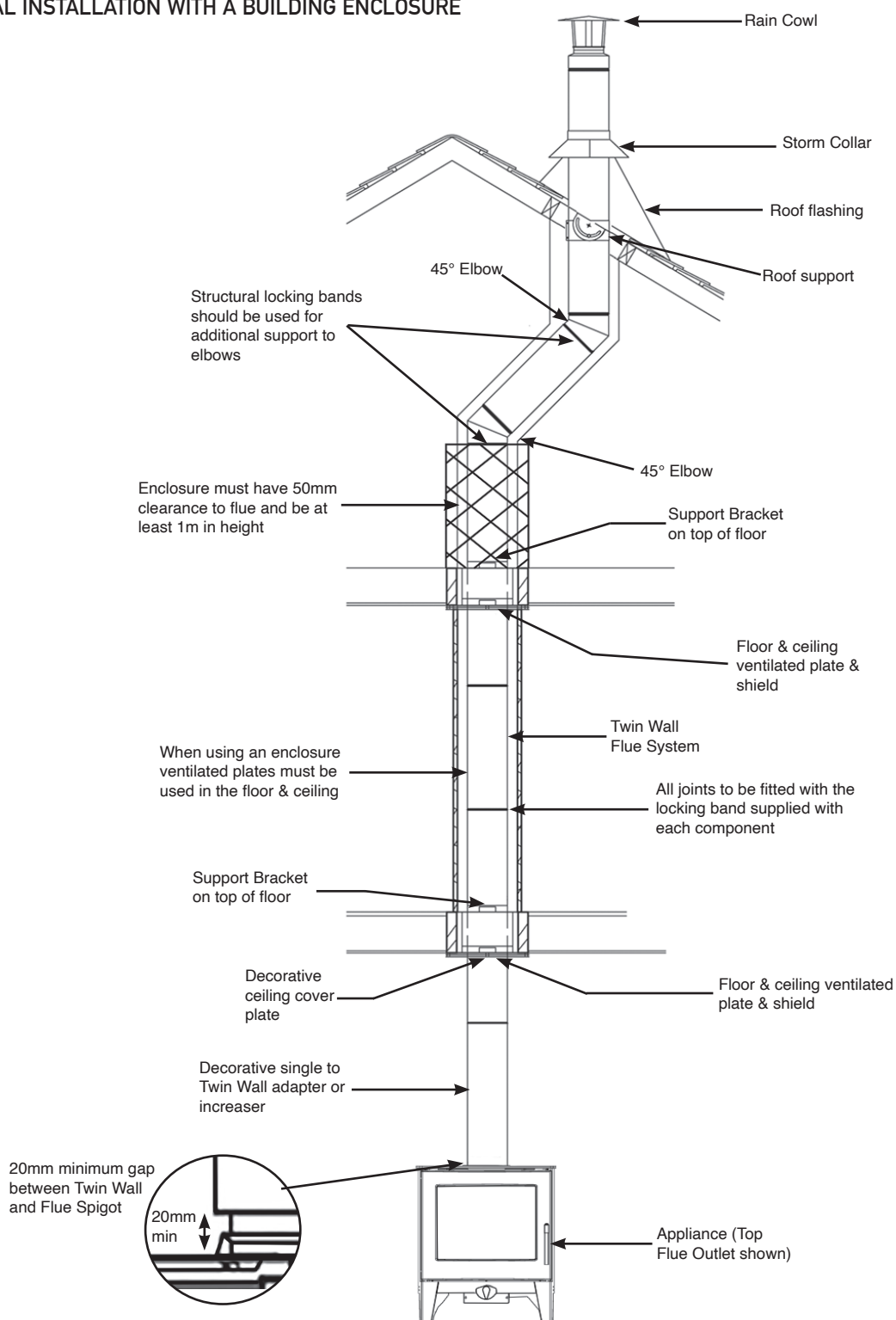


See Page 15

*Diagrammatic representation only - not accurate for installation purposes

TYPICAL INSTALLATION CONFIGURATIONS CONTINUED

INTERNAL INSTALLATION WITH A BUILDING ENCLOSURE

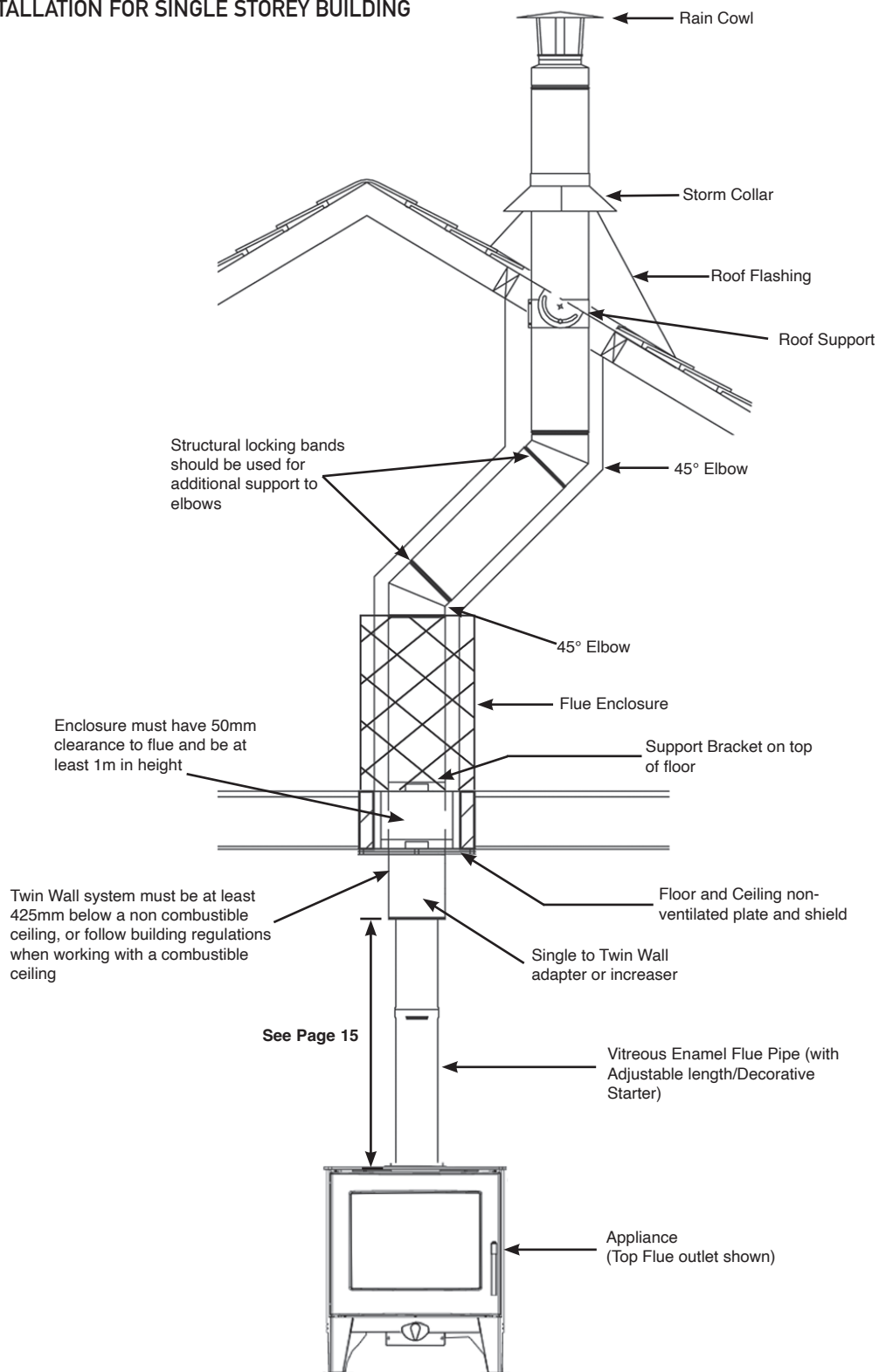


See Page 15

*Diagrammatic representation only - not accurate for installation purposes

TYPICAL INSTALLATION CONFIGURATIONS CONTINUED

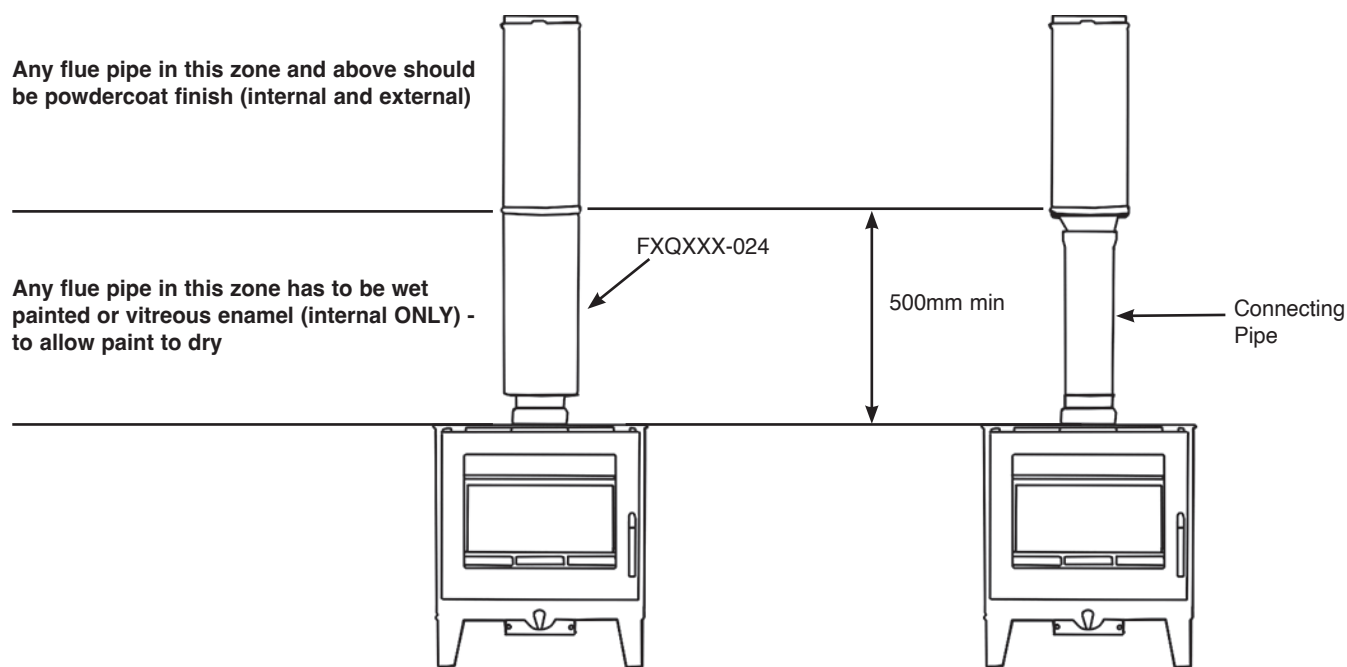
INTERNAL INSTALLATION FOR SINGLE STOREY BUILDING



*Diagrammatic representation only - not accurate for installation purposes

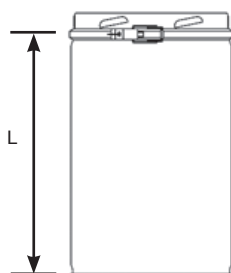
TYPICAL INSTALLATION CONFIGURATIONS CONTINUED

TWIN PAINT AND POWDER COAT



STRAIGHT LENGTHS

Each joint is secured by locating the female socket end over the male spigot and twisting until it does not move. A locking band should then be used to secure the joint. Male ends should point upwards. The total uninstalled length of each piece is the effective length, plus 27.5mm.

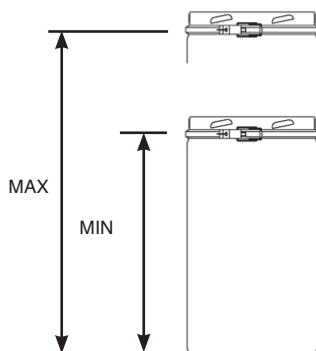


Installed Length (L)	1200mm	1000mm	750mm
Ø125mm	FXQ125-001	FXQ125-002	FXQ125-008
Ø150mm	FXQ150-001	FXQ150-002	FXQ150-008
Ø175mm	-	FXQ175-002	FXQ175-008
Ø200mm	-	FXQ200-002	FXQ200-008

Installed Length (L)	500mm	300mm	120mm
Ø125mm	FXQ125-003	FXQ125-004	FXQ125-005
Ø150mm	FXQ150-003	FXQ150-004	FXQ150-005
Ø175mm	FXQ175-003	FXQ175-004	FXQ175-005
Ø200mm	FXQ200-003	FXQ200-004	FXQ200-005

ADJUSTABLE LENGTHS

To ease installation, these are adjustable to allow for any variation in length as detailed below/ Extra insulation is also included so that the additional length can be filled. Locking band included. This item should only be fitted by a competent installer.



	340 - 500mm	540 - 900mm
Ø125mm	FXQ125-006	FXQ125-007
Ø150mm	FXQ150-006	FXQ150-007
Ø175mm	FXQ175-006	FXQ175-007
Ø200mm	FXQ200-006	FXQ200-007

To install the adjustable length, first measure and calculate the total length required.

Subtract the length of the insulated section from the total length required.

Insulation is supplied in 95mm sections.

Fill the insulated section with insulation to the required length adding an extra 30mm to allow for compression when fitted.

Push the insulation firmly into the void making sure no part is left insulated.

Slide the two insulated sections firmly together, checking the overall length is correct. If more insulation is needed, repeat the previous steps.

Once the required fully insulated length has been achieved, secure the two sections together using 3 self tapping screws (not supplied)

The chimney length is secured in the flue system using the standard twist-lock fitting and locking band.

ADJUSTABLE LENGTHS ARE NOT DESIGNED TO BE LOAD BEARING.

CUTTING INSULATION FOR ADJUSTABLE LENGTHS

ADVICE ON HANDLING AND CUTTING THE INSULATION



The insulation in the XQ System is made from Refractory Ceramic Fibre (RCF), a material which is commonly used for this application.

Protective clothing is not required when handling these articles, but we recommend you follow normal hygiene rules of not smoking, eating or drinking in the work area and always wash your hands before eating or drinking.

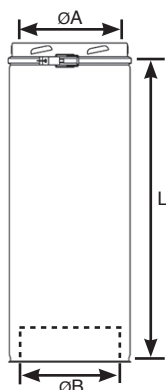
To ensure that the release of RCF fibres are kept to a minimum, during handling a HEPA filtered vacuum is recommended to remove any dust accumulated in and around the flue pipe before and after working on it. When cutting the insulation as specified above it is recommended to cover bare skin, wear gloves, eye protection and a face mask. Surplus material should not be broken up, but sealed within heavy duty polythene bags and labelled as RCF waste.

RCF waste is classed as stable, non-reactive hazardous waste and may be disposed of at a licensed landfill site.

Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract; wash hands thoroughly after handling the material.

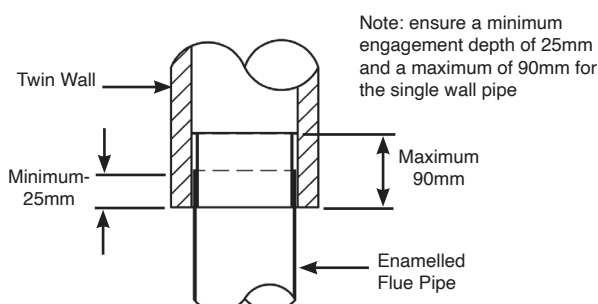
DECORATIVE SINGLE TO TWIN ADAPTER

The decorative single to twin adapter allows a cut length of single wall Stovax Enamelled Flue Pipe to be inserted up to 90mm into a twin wall system and give a virtually seamless join between the appliance and flue. It also allows for removal of the appliance without the need to dismantle the flue system.



When installing the decorative single to twin adapter ensure that the correct minimum engagement of the single wall pipe is used. This gives an improved aesthetic finish in a living area.

The male fitting of this component is secured using the standard twist-lock fitting and a locking band.



500mm Length

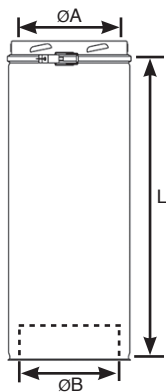
		Colour	ØA	ØB	L
Ø125mm	FXQ125-025	Stainless Steel	125	119	500
Ø125mm	FXQ125-025WB	Black	125	119	500
Ø150mm	FXQ150-025	Stainless Steel	150	144	500
Ø150mm	FXQ250-025WB	Black	150	144	500
Ø175mm	FXQ175-025	Stainless Steel	175	172	500

975mm Length

		Colour	ØA	ØB	L
Ø125mm	FXQ125-055	Stainless Steel	125	119	975
Ø125mm	FXQ125-055WB	Black	125	119	975
Ø150mm	FXQ150-055	Stainless Steel	150	144	975
Ø150mm	FXQ250-055WB	Black	150	144	975
Ø175mm	FXQ175-055	Stainless Steel	175	172	975
Ø175mm	FXQ175-055WB	Black	175	172	975
Ø200mm	FXQ200-055	Stainless Steel	200	194	975
Ø200mm	FXQ200-055WB	Black	200	194	975

DECORATIVE SINGLE TO TWIN INCREASER

The decorative single to twin increaser allows a cut length of single wall Stovax New Range Enamelled Flue Pipe to be inserted up to 90mm into a twin wall system and give a virtually seamless join between the appliance and flue.



500mm Length

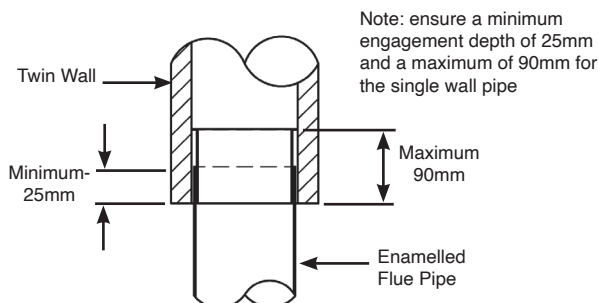
		Colour	ØA	ØB	L
Ø150mm	FXQ150-024	Stainless Steel	150	119	500
Ø150mm	FXQ150-024WB	Black	150	119	500

975mm Length

		Colour	ØA	ØB	L
Ø150mm	FXQ150-060	Stainless Steel	150	119	975
Ø150mm	FXQ150-060WB	Black	150	119	975

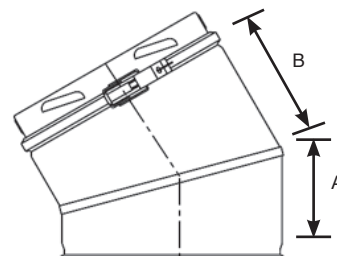
The decorative single to twin increaser allows you to join a 125mm single wall enamelled flue pipe to a larger 150mm twin wall system.

When installing the decorative single to twin increaser ensure that the correct minimum engagement of the single wall pipe is used, see Diagram. This gives an improved aesthetic finish in a living area



ELBOWS (INCLUDING OFFSET CHART)

Elbows may be used in pairs to provide an offset in the flue system to avoid cutting joists and clear other obstructions.



	15° Elbow		30° Elbow		45° Elbow	
	FXQxxx-010		FXQxxx-011		FXQxxx-012	
	A	B	A	B	A	B
Ø125mm	58	83	67	92	76	101
Ø150mm	60	85	70	95	81	106
Ø175mm	61	86	74	99	86	111
Ø200mm	64	89	77	102	91	116

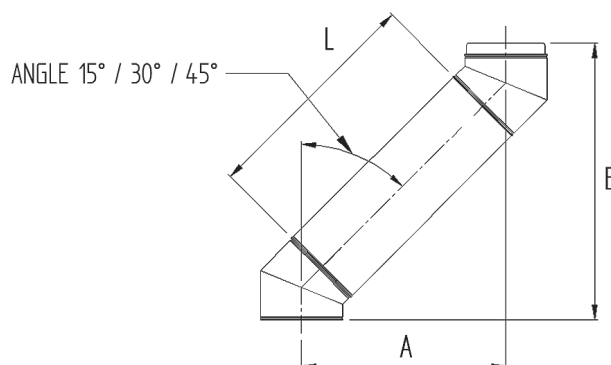
All offsets should be supported from above and below with the appropriate support component.

No more than ONE offset in the chimney (not including the connection to the appliance). The length of the chimney between the elbows MUST NOT exceed 20% of the total height of the chimney measured from the appliance to the terminal.

The female end is non-locking to allow flexibility when installing the offset and is secured when combined with a structural locking band.

The dimensions of various offset combinations are listed on the charts that follow diagram.

OFFSET CHART DIMENSIONS



ELBOWS (INCLUDING OFFSET CHART)

15° Offset chart									
Chimney Lengths L		125mm Diameter		150mm Diameter		175mm Diameter		200mm Diameter	
		A	B	A	B	A	B	A	B
None	None	36	277	38	285	38	289	40	301
5"	120mm	68	393	69	401	69	405	71	417
12"	300mm	114	567	115	575	116	579	117	590
20"	500mm	166	760	167	768	167	772	169	784
30"	750mm	231	1002	232	1009	232	1013	234	1025
39"	1000mm	295	1243	296	1251	297	1255	298	1267
48"	1200mm	347	1436	348	1444	349	1448	350	1460
12"+20"	300mm+500mm	244	1050	245	1058	245	1062	247	1073
12"+39"	300mm+1000mm	373	1533	374	1541	375	1545	376	1556
20"+39"	500mm+1000mm	425	1726	426	1734	426	1738	428	1750
12"+20"+39"	300mm+500mm+1000mm	502	2016	503	2024	504	2028	505	2039

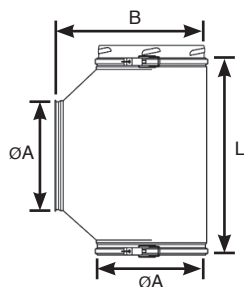
30° Offset chart									
Chimney Lengths L		125mm Diameter		150mm Diameter		175mm Diameter		200mm Diameter	
		A	B	A	B	A	B	A	B
None	None	80	296	83	307	87	322	90	380
5"	120mm	140	400	143	411	147	426	150	484
12"	300mm	230	556	233	567	237	582	240	640
20"	500mm	330	729	333	740	337	755	340	813
29"	750mm	455	945	458	957	462	971	465	1030
39"	1000mm	580	1162	583	1173	587	1188	590	1246
48"	1200mm	680	1335	683	1346	687	1361	690	1419
12"+20"	300mm+500mm	480	989	483	1000	487	1015	490	1073
12"+39"	300mm+1000mm	730	1422	733	1433	737	1448	740	1506
20"+39"	500mm+1000mm	830	1595	833	1606	837	1621	840	1679
12"+20"+39"	300mm+500mm+1000mm	980	1855	983	1866	987	1881	990	1939

45° Offset chart									
Chimney Lengths L		125mm Diameter		150mm Diameter		175mm Diameter		200mm Diameter	
		A	B	A	B	A	B	A	B
None	None	125	299	132	316	139	333	146	349
5"	120mm	210	384	217	401	224	418	231	434
12"	300mm	337	512	344	528	351	545	359	562
20"	500mm	479	653	486	670	493	686	500	703
29"	750mm	655	830	663	846	670	863	677	880
39"	1000mm	832	1006	839	1023	846	1040	853	1057
48"	1200mm	974	1148	981	1165	988	1181	995	1198
12"+20"	300mm+500mm	691	865	698	882	705	898	712	915
12"+39"	300mm+1000mm	1044	1219	1051	1235	1059	1252	1066	1269
20"+39"	500mm+1000mm	1186	1360	1193	1377	1200	1393	1207	1410
12"+20"+39"	300mm+500mm+1000mm	1398	1572	1405	1589	1412	1606	1419	1622

90° TEE/INSPECTION LENGTH

The 90° Tee piece not only allows a horizontal connection to be made, but where fitted with the Tee cap, provides an access point for inspection and cleaning. When using a 90° Tee comply with current UK Building Regulations (with reference to maximum horizontal lengths).

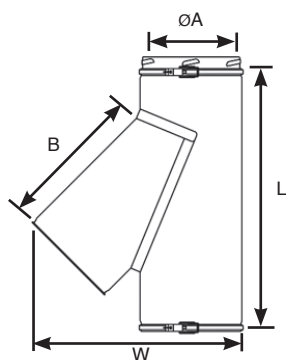
The part is secured using the standard twist-lock fitting and locking band.



	90° Tee	ØA	B	L
Ø125mm	FXQ125-013	125	250	345
Ø150mm	FXQ150-013	150	275	345
Ø175mm	FXQ175-013	175	300	400
Ø200mm	FXQ200-013	200	325	400

135° TEE

The 135° Tee is used as the base for a vertical flue system and should be secured and supported using the base wall support and socket.



		ØA	B	L	W
Ø125mm	FXQ125-014	125	300	500	387
Ø150mm	FXQ150-014	150	300	500	412
Ø175mm	FXQ175-014	175	300	500	437
Ø200mm	FXQ200-014	200	300	500	462

Each Tee is supplied with a Tee Cap and locking band.

OFFSET CHART DIMENSIONS - TABLE 1B

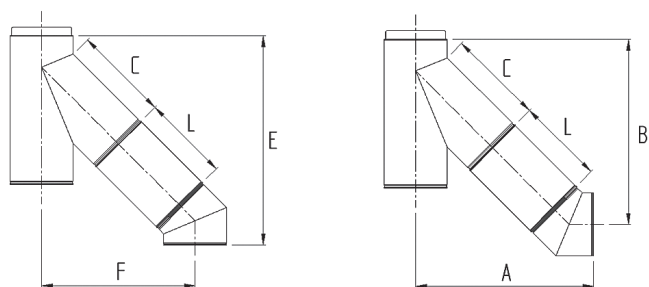


Table 1B shows the dimensions for 135° tee plus extra length and 45° elbow combination.

The part is secured in the flue system using the standard twist-lock fitting and locking band.

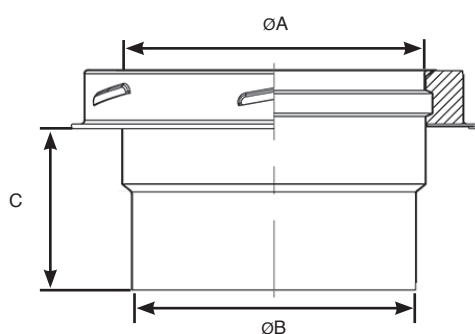
Dimension Table 1B - 135° Tee/Length/45° Elbow

Length L	125mm Diameter				150mm Diameter				175mm Diameter				200mm Diameter			
	A	B	E	F	A	B	E	F	A	B	E	F	A	B	E	F
120	470	507	583	394	482	518	599	401	495	530	616	409	507	542	633	416
300	597	634	710	521	609	646	727	528	622	658	744	536	634	669	760	543
500	739	775	851	663	751	787	868	670	763	799	885	677	775	811	902	684
750	915	952	1028	839	927	964	1045	846	940	976	1062	854	952	987	1078	861
1000	1092	1129	1205	1016	1104	1141	1222	1023	1117	1153	1239	1031	1129	1164	1255	1038
1200	1234	1270	1346	1158	1246	1282	1363	1165	1258	1294	1380	1172	1270	1306	1397	1179

SINGLE TO TWIN ADAPTER

The adapter is used to connect single wall flue pipe to a twin wall system. Both the single and twin wall flue pipe must be of the same diameter to use this product.

Not to be installed directly into the spigot of the appliance.



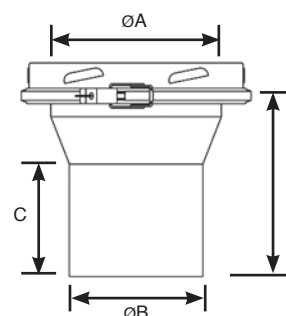
		øA	øB	C
ø125mm	FXQ125-020	125	119	150
ø150mm	FXQ150-020	150	144	150
ø175mm	FXQ175-020	175	172	150
ø200mm	FXQ200-020	200	194	150

The part is secured using the standard twist-lock fitting and a locking band.

SINGLE TO TWIN INCREASER

The adapter is used to connect single wall flue pipe to a twin wall system.

Not to be installed directly into the spigot of the appliance.

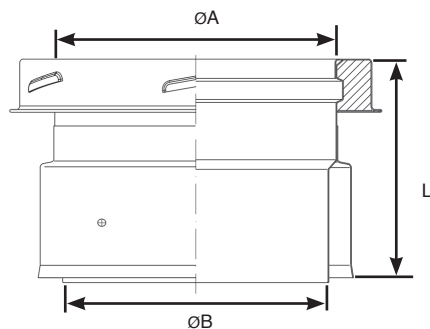


		øA	øB	L	C
ø150mm	FXQ150-021	150	119	162	150
ø175mm	FXQ175-021	175	144	162	150
ø200mm	FXQ200-021	200	172	162	150

Seal the joint with fire cement.

FLEXIBLE LINER TO TWIN WALL ADAPTER

This component allows a cut length of flexible liner to be inserted within the adapter and then secured with self tapping screws. Fully insert the flexible liner into the adapter and secure using self tapping screws and seal with fire cement.

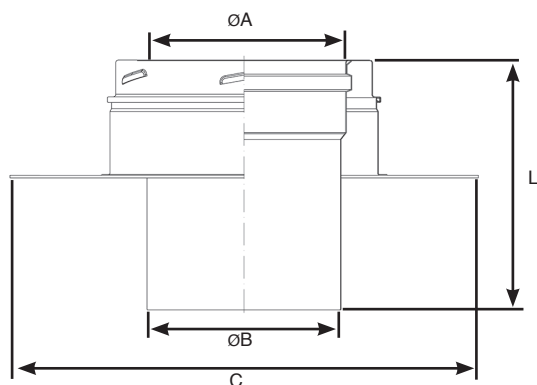


		ØA	ØB	L
Ø125mm	FXQ125-022	125	123	120
Ø150mm	FXQ150-022	150	145	120
Ø175mm	FXQ175-022	175	171	120
Ø200mm	FXQ200-022	200	195	120

The part is secured using the standard twist-lock fitting and a locking band.

FLEXIBLE LINER TO TWIN WALL ADAPTER INCLUDING ANCHOR PLATE

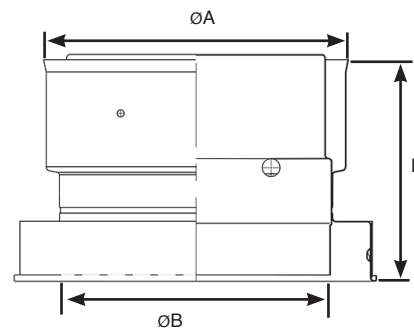
This adapter features all the benefits of the above flexible liner to twin adapter with the addition of an anchor plate which can act as a load bearing support for the system.



		ØA	ØB	C	L
Ø125mm	FXQ125-022AP	125	123	350	186
Ø150mm	FXQ150-022AP	150	145	350	186
Ø175mm	FXQ175-022AP	175	171	400	186

TWIN TO FLEXIBLE LINER ADAPTER

The adapter allows a cut length of flexible liner to be inserted within the adapter and then secured with self tapping screws. Fully insert the flexible liner into the adapter and secure using tapping screws and seal with fire cement if required.

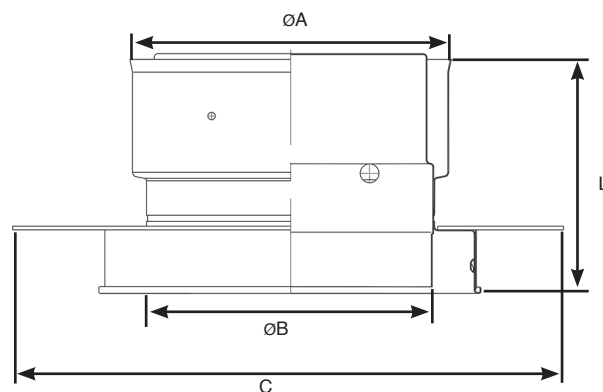


		ØA	ØB	L
Ø125mm	FXQ125-023	140	125	125
Ø150mm	FXQ150-023	167	150	125
Ø175mm	FXQ175-023	200	175	125
Ø200mm	FXQ200-023	215	200	125

The part is secured using the standard twist-lock fitting and a locking band.

TWIN TO FLEXIBLE LINER ADAPTER INCLUDING ANCHOR PLATE

This adapter features all the benefits of the above flexible liner to twin adapter with the addition of an anchor plate which can act as a load bearing support for the system.

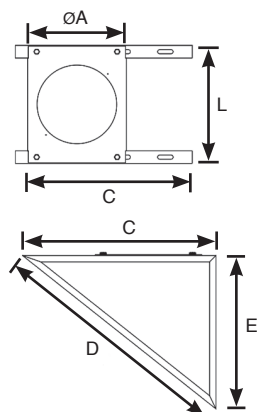


		ØA	ØB	C	L
Ø125mm	FXQ125-023AP	140	125	265	125
Ø150mm	FXQ150-023AP	167	150	290	125
Ø175mm	FXQ175-023AP	200	175	315	125
Ø200mm	FXQ200-023AP	215	200	340	125

The part is secured using the standard twist-lock fitting and a locking band.

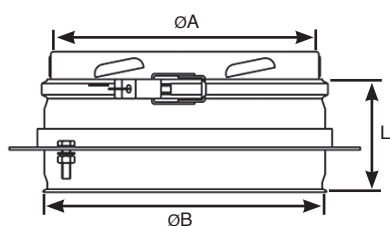
BASE & INTERMEDIATE WALL SUPPORT PLATE & BRACKETS

The Base & Intermediate Wall support plate and brackets are generally used for external application of the product. This acts as a support base for the system, as with the addition of the support bracket this can provide an intermediate support freely along the length.



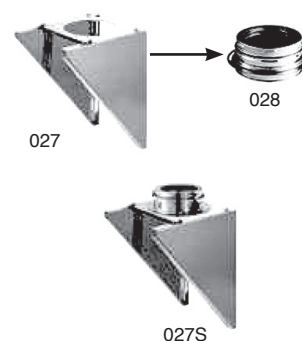
	Wall Support Triangular Brackets x 2	Assembly	A	B	C	D	E
Ø125mm	FXQ125-027	FXQ125-027S	225	280	455	580	360
Ø150mm	FXQ150-027	FXQ150-027S	250	305	455	580	360
Ø175mm	FXQ175-027	FXQ175-027S	275	330	455	580	360
Ø200mm	FXQ200-027	FXQ200-027S	300	355	455	580	360

BASE SOCKET/SPIGOT PLATE



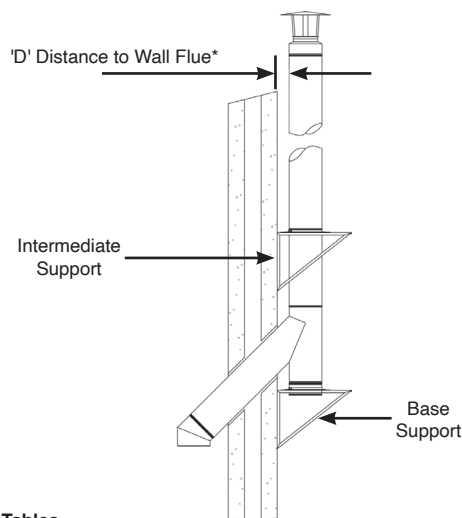
	Base Socket/Spigot	ØA	ØB	L
Ø125mm	FXQ125-028	225	280	455
Ø150mm	FXQ150-028	250	305	455
Ø175mm	FXQ175-028	275	330	455
Ø200mm	FXQ200-028	300	355	455

Used with a Wall Support Plate to provide a secure, locking base for the installation. Includes Locking Band.



NOTE: Load Bearing Capacity 12m of Flue Pipe.

The Base & Intermediate Wall support plate and brackets are required to give vertical support to the flue system. It is normally used in combination with a 135° Tee. It may also be used when connecting to the back of an appliance using a 90° Tee (internal application).



*See Tables

The ability of the building to support the additional weight of the flue system should be checked and confirmed by a suitably qualified person. Failure to do so could endanger the structure of the building and it's inhabitants.

The support will allow adjustment of the clearance between the flue and the wall. Decide on the intended position of the brackets. Mark and drill holes to fix the brackets to the wall.

Loosely secure the plate to the brackets before fixing the base spigot to the plate. Twist and lock the base spigot to the 135° / 90° Tee or straight length.

Tighten the fixings to secure the base spigot to the plate. Use the locking band provided.

The plate can be adjusted to suit the required distance from the wall. Tighten the plate to secure it in position.

LOCKING BANDS, MICRO LOCKING BANDS & STRUCTURAL LOCKING BANDS

Micro Toggle locking bands offer additional strength to joints where the overlocking cam system can be further tightened by use of a hexagonal key.

Structural locking bands can be used to replace standard locking bands throughout the system.

Structural locking bands are required for added support for lengths of flue in excess of 3m long, however where above the roof level additional bracing may be required.

	Locking Band	Micro Toggle Locking Band	Structural Locking Band
Ø125mm	FXQ125-026	FXQ125-026MT	FXQ125-056
Ø150mm	FXQ150-026	FXQ150-026MT	FXQ150-056
Ø175mm	FXQ175-026	FXQ175-026MT	FXQ175-056
Ø200mm	FXQ200-026	FXQ200-026MT	FXQ200-056

STANDARD WALL BRACKET

The wall bracket is used to secure the flue system to the wall giving additional lateral stability at a distance of 50mm from the wall. Also available is an extension bracket to give 50mm-80mm distance from the wall.

The bracket should be secured to the wall at 3 metres maximum centres using suitable fasteners. To secure the flue to the bracket use the band and fasteners supplied. At least one bracket should be fitted per system.

Brackets should be fitted immediately above and below any offset.

This bracket is not designed to give vertical support to the flue system or load bearing.

EXTENDABLE WALL BRACKET

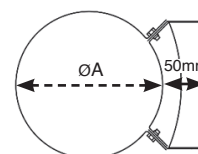
The extendable wall bracket allows an adjustment of 50 - 80mm from the wall, the bracket's outer facing flange and captive nuts facilitate a straight forward and quick installation.

The bracket should be secured to the wall at 3 metre maximum centres using suitable fasteners. To secure the flue to the bracket use the band and fasteners supplied. At least one bracket should be fitted per system.

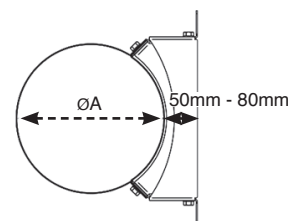
Brackets should be fitted immediately above and below any offset.

This bracket is not designed to give vertical support to the flue system.

Standard Wall Bracket



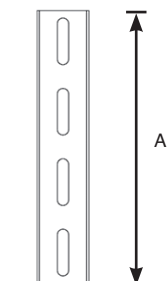
Extendable Wall Bracket



	Standard Wall Bracket	Extendable Wall Bracket	ØA
Ø125mm	FXQ125-030	FXQ125-030EXT	173
Ø150mm	FXQ150-030	FXQ150-030EXT	198
Ø175mm	FXQ175-030	FXQ175-030EXT	223
Ø200mm	FXQ200-030	FXQ200-030EXT	248

LONG ADJUSTABLE BRACKET ARMS

Supplied as a pair, the long adjustable bracket arms can be paired with the extendable wall bracket (030EXT) or the standard wall bracket (030) to allow distance from the wall to be adjusted between 50mm - 'A' mm.



		A	B (Number of slots)
Ø125mm	FXQ125-037	227	4
Ø150mm	FXQ150-037	288	5
Ø175mm	FXQ175-037	349	6
Ø200mm	FXQ200-037	410	7

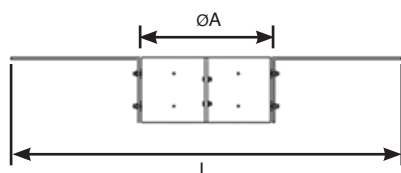
These bracket arms are used with the extendable wall bracket (030EXT) or the standard wall bracket (030) to secure the flue system to supporting surfaces to provide lateral support only.

VAULTED RAFTER SUPPORT

The Vaulted Rafter Support may be used to hold up to 9m of Stovax Professional XQ Chimney System (6m below and 3m above). Where 3m are used above roof level a bracing kit will be required.

Ø125mm	FXQ125-032
Ø150mm	FXQ150-032
Ø175mm	FXQ175-032
Ø200mm	FXQ200-032

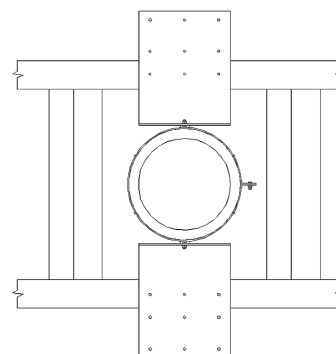
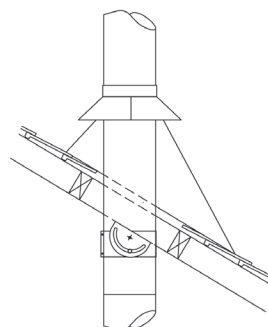
The ability of the rafter to support the additional weight of flue system should be checked and confirmed by a suitably qualified person. Failure to do so could endanger the structure of the building and the inhabitants.



		ØA	L
Ø125mm	FXQ125-032	173	605
Ø150mm	FXQ150-032	198	630
Ø175mm	FXQ175-032	223	655
Ø200mm	FXQ200-032	248	680

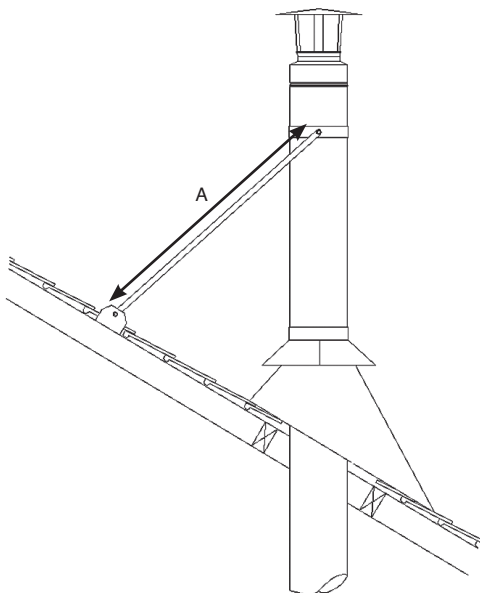
To fit the Rafter Support:

- Fit the collar to the flue pipe but do not tighten.
- Attach the plates to the collar and do not tighten either.
- Position the Rafter Support on top of the rafters.
- Tighten the plates to the collar.
- Tighten the collar to the flue pipe.
- Secure the Rafter Support to the rafters. Laminate joists for additional securing points.
- Secure the Rafter Support to the flue using self tapping screws (not supplied).



ROOF BRACING KIT

A universal roof bracing kit is required for use when the flue system extends 2m or more above the roofline for 125mm and 150mm flue pipe and 1.5m for all other diameters. The roof bracing kit extends between 1.5m - 2.75m.



		A
Ø125mm	FXQ125-036	1540mm - 2750mm
Ø150mm	FXQ150-036	1540mm - 2750mm
Ø175mm	FXQ175-036	1540mm - 2750mm
Ø200mm	FXQ200-036	1540mm - 2750mm

To fit the roof brace kit ensure that the roof support is secure and all fixings tightened.

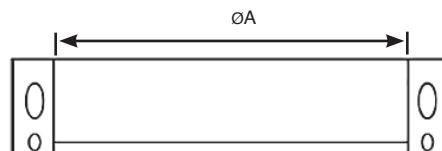
Position the fixing band around the flue pipe approximately 2/3 up from the roofline, with the legs pointing to the fixing points on the roof. The ideal position is just above or below a joint, but no lower than 1.5m on the flue pipe. Adjustment of the leg tabs at the fixing band may be required.

Secure the lower ends of the legs to the roof structure at equal distances from the pipe. For sloping roofs this should be on the high side of the flue.

Ensure the roof is resealed at this position.

SUPPORT BRACKET

Can be used in 3 different ways: (1) On the wall support plate and brackets as an immediate support. (2) As an internal support bracket with the ventilated or non-ventilated plate and shield.



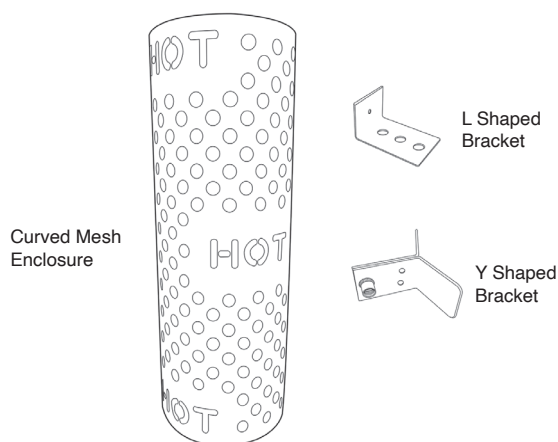
Clamping Rings Only		ØA
Ø125mm	FXQ125-029	173mm
Ø150mm	FXQ150-029	198mm
Ø175mm	FXQ175-029	223mm
Ø200mm	FXQ200-029	248mm

FLUE ENCLOSURE

Ø125mm	FXQ-080S
Ø150mm	FXQ-080S
Ø175mm	FXQ-080S

PACKING LIST

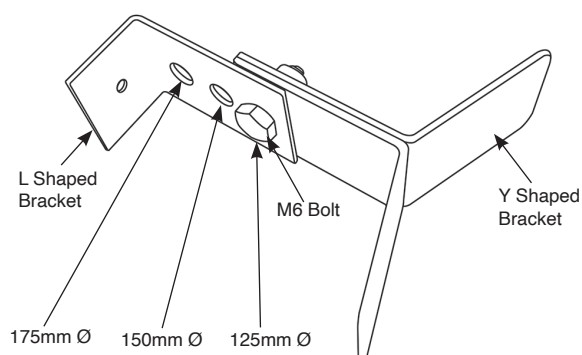
2 x Curved Enclosure side pieces.
 8 x L Shaped Brackets.
 8 x Y Shaped Brackets.
 8 x M6 x 20 bolts
 20 x Self tapping screws



Fit the Y and L Shaped Brackets together and secure tightly with an M6 bolt, see Diagram below.

Note: The required hole position will depend on the diameter of the flue pipe installation.

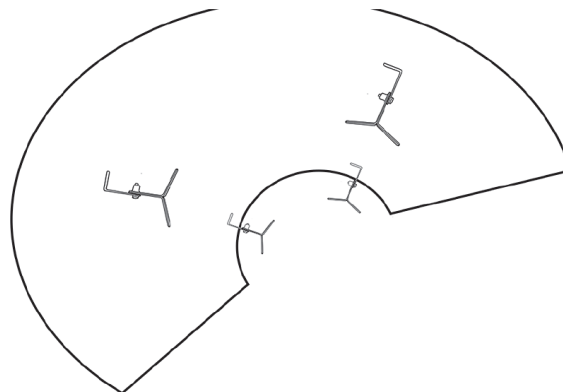
125mm - 1st hole (from outer edge).
 150mm - 2nd hole.
 175mm - 3rd hole (nearest bend).



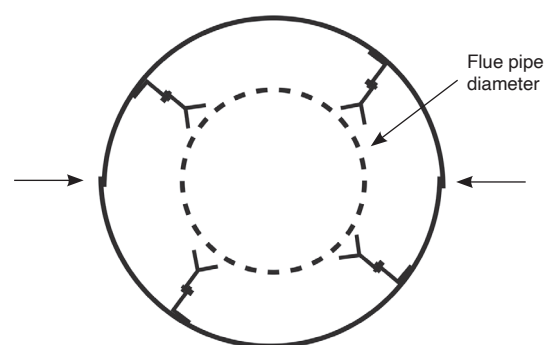
Repeat for a total of 8 brackets.

Attach the bracket assemblies to both parts of the curved Enclosure (4 on each side) with the self tapping screws through the pre drilled holes.

This will give a total of 2 brackets top and bottom on each side, see Diagram below.



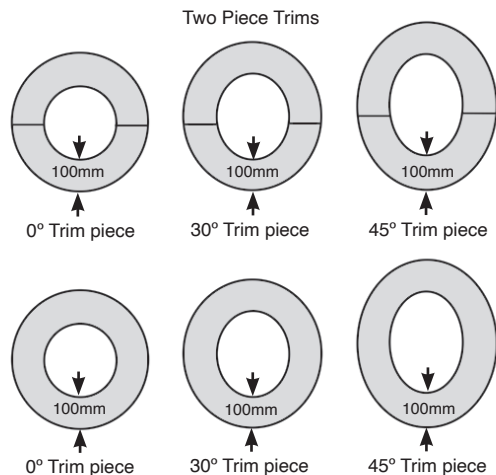
Fit the two completed halves of the enclosure together so that the side with the larger predrilled holes overlaps.



Secure through the predrilled holes with the remaining self tapping screws.

DECORATIVE TRIM PIECES

The 100mm decorative trim is designed to neatly finish installation holes in both walls and ceilings. It can be secured by sealing or by using the pre-drilled holes provided.

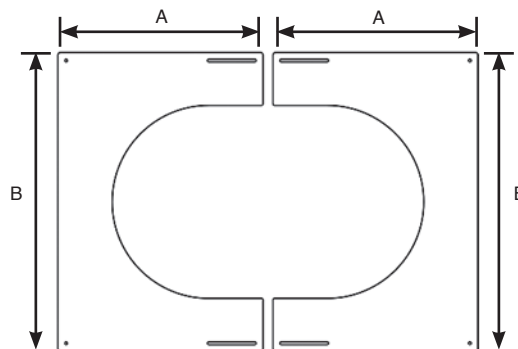


Two Piece Trim			
	0° Trim piece	30° Trim piece	45° Trim piece
Ø125mm	FXQ125-077	FXQ125-034	FXQ125-035
Ø150mm	FXQ150-077	FXQ150-034	FXQ150-035
Ø175mm	FXQ175-077	FXQ175-034	FXQ175-035
Ø200mm	FXQ200-077	FXQ200-034	FXQ200-035

One Piece Trim			
	0° Trim piece	30° Trim piece	45° Trim piece
Ø125mm	FXQ125-077-1	FXQ125-034-1	FXQ125-035-1
Ø150mm	FXQ150-077-1	FXQ150-034-1	FXQ150-035-1
Ø175mm	FXQ175-077-1	FXQ175-034-1	FXQ175-035-1
Ø200mm	FXQ200-077-1	-	-

ADJUSTABLE CEILING/WALL TRIM PIECE

There is a selection of adjustable stainless steel trim pieces designed to ensure the best aesthetic finish of twin wall flue passing through a ceiling or wall. Available to suit a wide selection of angles.

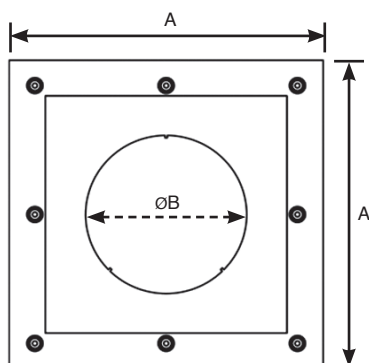


	0° - 15° Adjustable trim piece	A	B	15° - 30° Adjustable trim piece	A	B
Ø125mm	FXQ125-073	241	325	FXQ125-074	244	325
Ø150mm	FXQ150-073	253	350	FXQ150-074	258	350
Ø175mm	FXQ175-073	266	375	FXQ175-074	271	375
Ø200mm	FXQ200-073	278	400	FXQ200-074	283	400

	30° - 45° Adjustable trim piece	A	B	45° - 60° Adjustable trim piece	A	B
Ø125mm	FXQ125-075	255	325	FXQ125-076	300	325
Ø150mm	FXQ150-075	270	350	FXQ150-076	331	350
Ø175mm	FXQ175-075	285	375	FXQ175-076	365	375
Ø200mm	FXQ200-075	299	400	FXQ200-076	406	400

DECORATIVE CEILING COVER PLATE

The decorative ceiling cover plate is supplied powder coated white to give a perfect finish to the system when passing through a ceiling. It is secured by magnets and designed to fit over a ceiling firestop plate with no visible fixings.

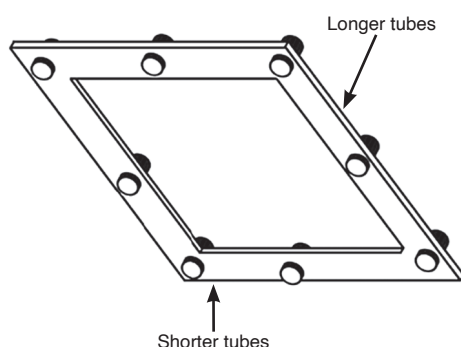


	White Version	Stainless Steel	A	ØB
Ø125mm	FXQ125-042WH	FXQ125-042	365	175
Ø150mm	FXQ150-042WH	-	390	200
Ø175mm	FXQ175-042WH	-	415	225
Ø200mm	FXQ200-042WH	-	440	250

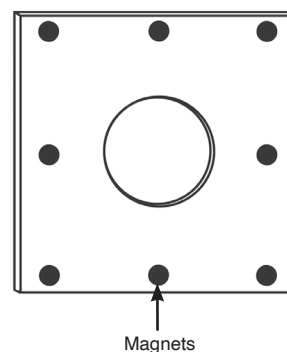
Separate the decorative ceiling cover plate from the support frame it is supplied with.

Align the support frame with the ventilated ceiling plate and attach both parts to the ceiling using 8 x 45mm screws. Make sure both parts are secured firmly; longer screws may be required.

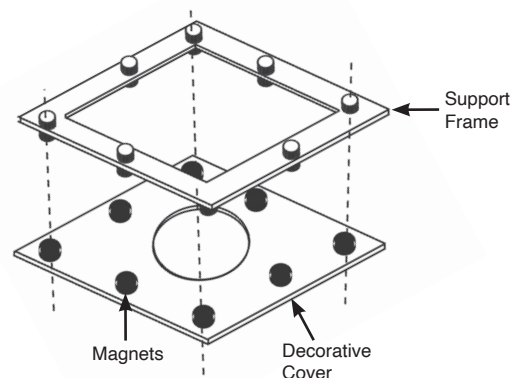
NOTE: There are two lengths to the support frame tubes. For aesthetic purposes place the side with the longer lengths against the ceiling, see Diagram.



The decorative ceiling cover plate can now be attached to the support frame using the magnets provided, see Diagram.



Attach the decorative cover to the support frame ensuring all the magnets connect to the tubes, see Diagram.



IMPORTANT: THE MAGNETS MUST ALIGN WITH THE SUPPORT FRAME TUBES. THE COVER IS HEAVY SO ALL MAGNETS PROVIDED MUST BE USED.

ROOF FLASHING

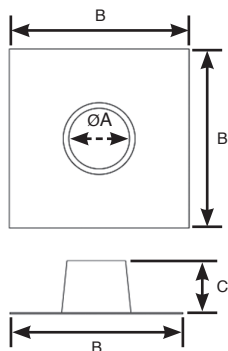
Where the flue system passes through the roof structure a flashing should be fitted to give a weatherproof seal.

EPDM flashings are available and these should be fitted as per manufacturers instructions.

ALUMINIUM FLASHING

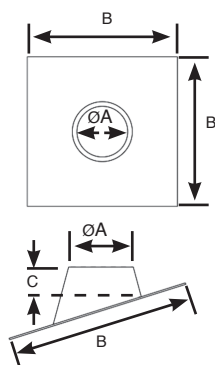
These products are used externally when the installation passes through a roof structure to provide a weatherproof seal to the surrounding weathered surface.

FLAT ALUMINIUM FLASHING



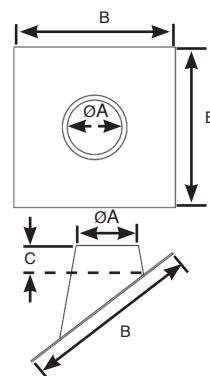
		ØA	B	C
Ø125mm	FXQ125-043	190	495	200
Ø150mm	FXQ150-043	210	495	200
Ø175mm	FXQ175-043	235	660	200
Ø200mm	FXQ200-043	260	660	200

5° - 30° ALUMINIUM FLASHING



		ØA	B	C
Ø125mm	FXQ125-044	190	495	100
Ø150mm	FXQ150-044	210	660	100
Ø175mm	FXQ175-044	235	660	100
Ø200mm	FXQ200-044	260	660	100

32° - 45° ALUMINIUM FLASHING

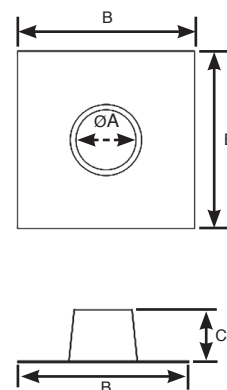


		ØA	B	C
Ø125mm	FXQ125-045	190	660	100
Ø150mm	FXQ150-045	210	660	100
Ø175mm	FXQ175-045	235	820	100
Ø200mm	FXQ200-045	260	820	100

LEAD FLASHING

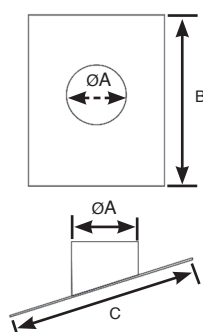
These products are used externally when the installation passes through a roof structure to provide a weatherproof seal to the surrounding weathered surface.

FLAT LEAD FLASHING



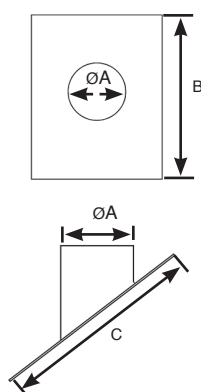
		ØA	B	C
Ø125mm	FXQ125-069	180	600	200
Ø150mm	FXQ150-069	210	600	200
Ø175mm	FXQ175-069	235	600	200
Ø200mm	FXQ200-069	260	600	200

10° - 20° LEAD FLASHING



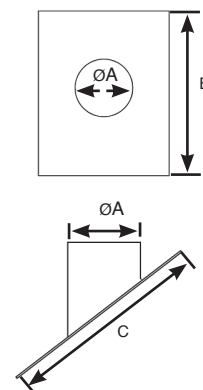
		ØA	B	C
Ø125mm	FXQ125-079	180	600	600
Ø150mm	FXQ150-079	210	600	600
Ø175mm	FXQ175-079	235	600	600
Ø200mm	FXQ200-079	260	600	600

30° - 40° LEAD FLASHING



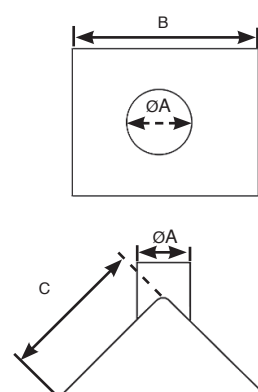
		ØA	B	C
Ø125mm	FXQ125-070	180	600	600
Ø150mm	FXQ150-070	210	600	600
Ø175mm	FXQ175-070	235	600	600
Ø200mm	FXQ200-070	260	600	600

40° - 50° LEAD FLASHING



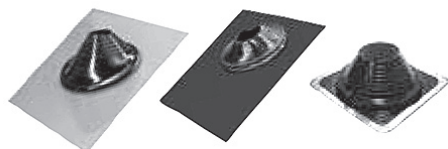
		ØA	B	C
Ø125mm	FXQ125-078	180	600	600
Ø150mm	FXQ150-078	210	600	600
Ø175mm	FXQ175-078	235	600	600
Ø200mm	FXQ200-078	260	650	650

30° - 40° RIDGE FLASHING



		ØA	B	C
Ø125mm	FXQ125-072	180	600	300
Ø150mm	FXQ150-072	210	600	300
Ø175mm	FXQ175-072	235	600	300
Ø200mm	FXQ200-072	260	600	300

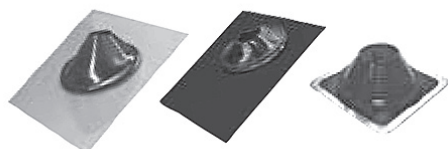
AQUASEAL VERSATILE FLASHING



FXQ-052/053

FXQ-054

FXQ-058/059



FXQ-052HT/053HT

FXQ-054HT

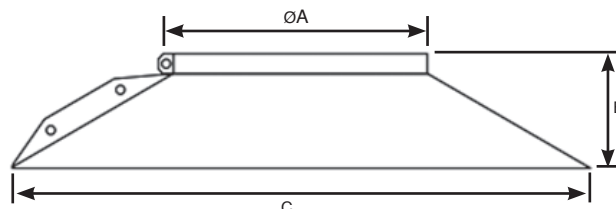
FXQ-058HT/059HT

FXQ-052	125mm - 175mm Aluminium Base EPDM Black to 115°C (Base: 500mm x 600mm) 0-45 degree.
FXQ-053	125mm - 300mm Aluminium Base EPDM Black to 115°C (Base: 750mm x 900mm) 0-45 degree.
FXQ-054	125mm - 200mm Lead Base EPDM Black to 115°C (Base: 600mm x 850mm) 0-45 degree.
FXQ-058	200mm - 300mm Square Section EPDM Black to 115°C (Base: 440mm x 440mm) 0-45 degree.
FXQ-059	125mm - 200mm Square Section for metal and profiled roofs EPDM Black to 115°C (Base: 370mm x 370mm) 0-45 degree.
FXQ-059SK	EPDM Flashing Kit for FXQ-058, FXQ-059, FXQ-058HT & FXQ-059HT (Kit Contents: Silicone, Screws & Knife)

FXQ-052HT	125mm - 175mm Aluminium Base High Temperature Silicone to 240°C (Base: 500mm x 600mm) 0-45 degree.
FXQ-053HT	125mm - 300mm Aluminium Base High Temperature Silicone to 240°C (Base: 750mm x 900mm) 0-45 degree.
FXQ-054HT	125mm - 200mm Lead Base High Temperature Silicone to 240°C (Base: 600mm x 850mm) 0-45 degree.
FXQ-058HT	200mm - 300mm Square Section High Temperature Silicone to 240°C (Base: 440mm x 440mm) 0-45 degree.
FXQ-059HT	125mm - 200mm Square Section for metal and profiled roofs High Temperature Silicone to 240°C (Base: 370mm x 370mm) 0-45 degree.

STORM COLLAR

The storm collar is fitted around the flue pipe above the upper edge of the roof flashing. It should be sealed in place around the pipe using flexible silicone sealant (not provided).



		ØA	B	C
Ø125mm	FXQ125-046R	175	80	350
Ø150mm	FXQ150-046R	200	80	370
Ø175mm	FXQ175-046R	225	80	400
Ø200mm	FXQ200-046R	250	80	425

COWLS

WARNING



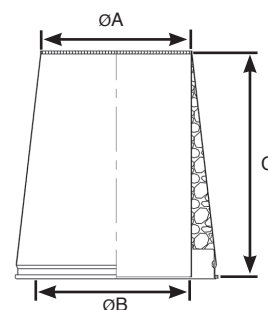
Do not make unauthorised changes to, paint, or modify the cowl.

Fitting to an inappropriate flue system that does not comply with Building Regulations and/or failure to follow these instructions will invalidate the product warranty

Cowls are fitted to the end of the flue pipe and secured using the twist lock system to provide complete protection for installation.

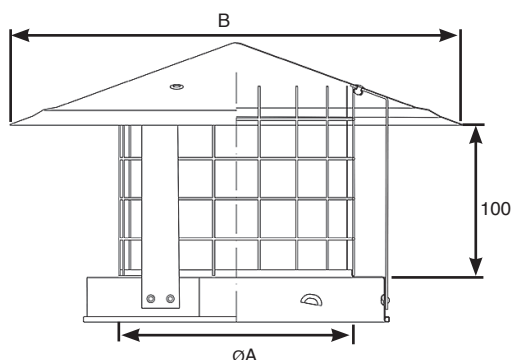
There are four options available:

OPEN TERMINAL



		ØA	ØB	C
Ø125mm	FXQ125-047	125	125	228
Ø150mm	FXQ150-047	150	150	228
Ø175mm	FXQ175-047	175	175	228
Ø200mm	FXQ200-047	200	200	228

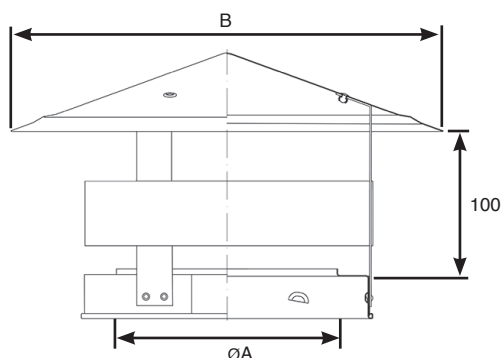
RAIN COWL



The rain cap is fitted with a mesh grill which also prohibits any birds entering the chimney whilst maintaining flue efficiency.

		ØA	B
Ø125mm	FXQ125-048	125	300
Ø150mm	FXQ150-048	150	300
Ø175mm	FXQ175-048	175	350
Ø200mm	FXQ200-048	200	350

WEATHER/WIND COWL

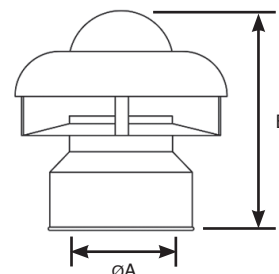


		ØA	B
Ø125mm	FXQ125-049	125	300
Ø150mm	FXQ150-049	150	300
Ø175mm	FXQ175-049	175	350
Ø200mm	FXQ200-049	200	350

For thatched roofs seek expert advice.

ANTI-DOWNDRAUGHT COWL

Works with all wind speeds and directions in order to create a steady up-draught.



		ØA	B
Ø125mm	FXQ125-050	125	280
Ø150mm	FXQ150-050	150	280
Ø175mm	FXQ175-050	175	280
Ø200mm	FXQ200-050	200	295

ANTI-DOWNDRAUGHT COWL FIXING INSTRUCTIONS

1. The cowl comes as a complete unit that is added to the end of the system. It is secured using the twist and lock system.
2. Place the cowl on the end of the flue system and twist until it reaches a natural stop. The cowl is then secured in place with the locking band provided with the straight length.
Do not force the cowl beyond its natural stopping position.

COWL SWEEPING INSTRUCTIONS

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.

2. Remove the cowl to ensure the sweeping of the chimney is fully effective. This can be easily achieved with the twist and lock mechanism.

3. The full flue system and the cowl should be checked for blockages and build up of soot.

4. After the chimney has been swept it must be checked for damage and any build up of soot. The system and cowl must be debris free before being replaced.

WALL BRACKET

The wall bracket is used to secure the flue system to the wall giving additional lateral stability at a distance of 50mm from the wall. Also available is an adjustable wall bracket to give 50mm - 80mm distance from the wall.

The bracket should be secured to the wall at 3 metre minimum centres using suitable fasteners. To secure the flue to the bracket use the band and fasteners supplied. At least one bracket should be fitted per system.

Brackets should be fitted immediately above and below any offset.

This bracket is not designed to give vertical support to the flue system.

This bracket can also be used in conjunction with long adjustable bracket arms (FXQxxx-037) to position up to 532mm from the wall.

ADJUSTABLE WALL BRACKET

This bracket is an adjustable version of the standard wall bracket and is used to secure the flue system to outside walls to give additional lateral stability, and allows positioning between 50mm - 80mm from the wall. At least one bracket should be fitted.

The bracket should be secured to the wall at 3 metre centres using suitable fasteners. To secure the flue to the bracket use the band and fasteners supplied.

Brackets should be fitted immediately above and below any offset.

This bracket is not designed to give vertical support to the flue system.

This bracket can also be used in conjunction with long adjustable bracket arms (FXQxxx-037) to position up to 532mm from the wall.

TEE CAPS

Tee Cap: Provides access to the system for inspection and cleaning, includes locking band.

Tee Cap with Drain: Provides access to the system, condensation drainage, inspection and cleaning. Includes locking band.

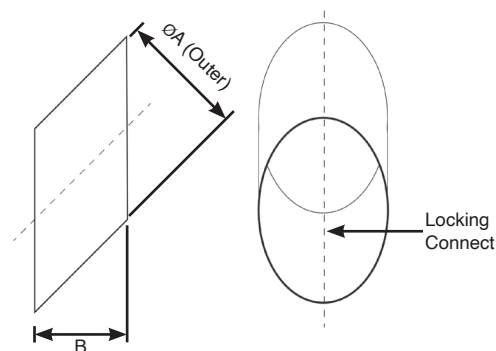
	Tee Cap	Tee Cap with Drain
Ø125mm	FXQ125-015	FXQ125-016
Ø150mm	FXQ150-015	FXQ150-016
Ø175mm	FXQ175-015	FXQ175-016
Ø200mm	FXQ200-015	FXQ200-016

ADJUSTABLE WALL SLEEVE

Where a factory made metal chimney passes through a wall, sleeves should be provided to prevent damage to the flue or building through thermal expansion.

To fit the adjustable wall sleeve:

- Measure the wall thickness for the required length.
- Adjust sleeve to suit and secure with self tapping screws (not provided).
- Seal the joint with appropriate heat resistant tape (not provided).
- Install the sleeve adhering to all relevant Building Regulations.

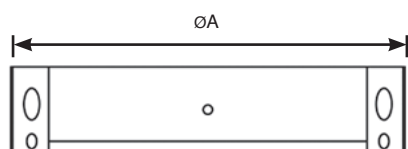


		øA	B
Ø125mm	FXQ125-033	225	200 - 380
Ø150mm	FXQ150-033	250	200 - 380
Ø175mm	FXQ175-033	275	200 - 380
Ø200mm	FXQ200-033	300	200 - 380

SUPPORT BRACKET

The support bracket can be used in three different ways:

1. On the base/intermediate wall support plate and brackets.
2. As an internal support bracket with the ventilated non-ventilated plate and shield, see Diagrams on page 34.

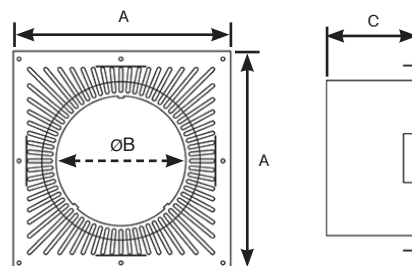


		$\varnothing A$
$\varnothing 125\text{mm}$	FXQ125-029	173
$\varnothing 150\text{mm}$	FXQ150-029	198
$\varnothing 175\text{mm}$	FXQ175-029	223
$\varnothing 200\text{mm}$	FXQ200-029	248

To fit this part in conjunction with the ventilated/non-ventilated Plate and Shield, place on top of the floor plate with the 6mm tags pointing down to allow for ventilation around the flue system. The bolts are then tightened to hold the bracket against the flue pipe, and 2 self tapping screws should be put through the holes to secure the bracket.

FLOOR & CEILING VENTILATED PLATE & SHIELD

The floor and ceiling ventilated plate and shield must be used when the flue system passes through a combustible ceiling or floor void if the system in the room above is enclosed.



		A	$\varnothing B$	C
$\varnothing 125\text{mm}$	FXQ125-038S	327	179	150
$\varnothing 150\text{mm}$	FXQ150-038S	352	204	150
$\varnothing 175\text{mm}$	FXQ175-038S	377	229	150
$\varnothing 200\text{mm}$	FXQ200-038S	402	254	150

To fit the floor and ceiling ventilated plate and shield find a suitable opening within the floor joists and create a four-sided enclosure where the distance from the outside of the flue to the enclosure is no less than 50mm. The locating tabs on the ceiling and floor plate are designed to maintain the minimum distance to combustible materials.

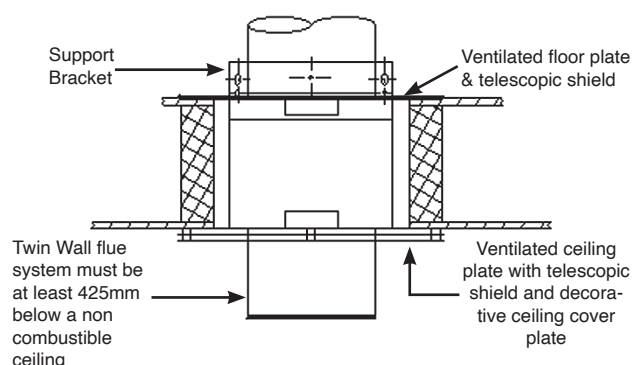
The telescopic radiation shield will allow a floor thickness of between 150mm to 275mm. Any distance greater than this will not maintain the integrity of the system and expert advice should be sought.

The ceiling can be constructed using a combination of plaster and plasterboard to a total combined thickness of no less than 15mm. Fix the ventilated plate to the ceiling using 8 x 45mm screws. If using a decorative ceiling cover plate see Page 27.

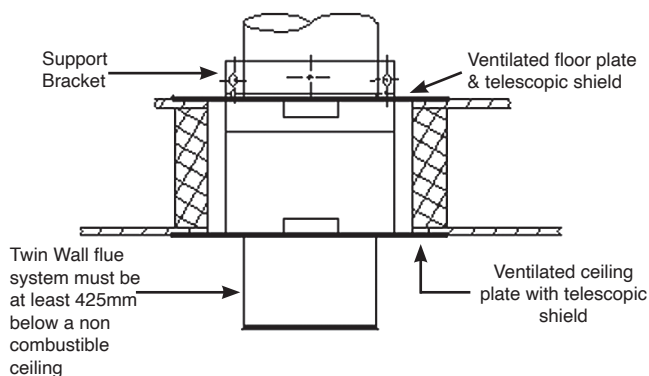
Lower the floor plate so that the radiation shield locates with the radiation shield from the ceiling plate. Secure using the 8 x 45mm screws.

The chimney system can now be lowered or raised through the floor and ceiling ventilated plate.

With Decorative Ceiling Cover Plate

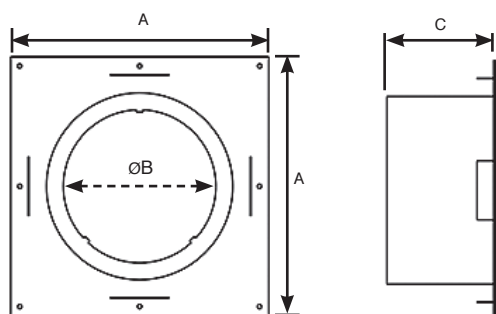


With Standard Ventilated Plate



FLOOR & CEILING NON-VENTILATED PLATE & SHIELD

The non-ventilated plate and shield is for use in single story buildings where there is a roof void above.



		A	øB	C
ø125mm	FXQ125-040S	327	179	150
ø150mm	FXQ150-040S	352	204	150
ø175mm	FXQ175-040S	377	229	150
ø200mm	FXQ200-040S	402	254	150

To fit the floor & ceiling non-ventilated plate & shield it is essential that they are installed in accordance with the steps below to maintain the fire stopping integrity of the system.

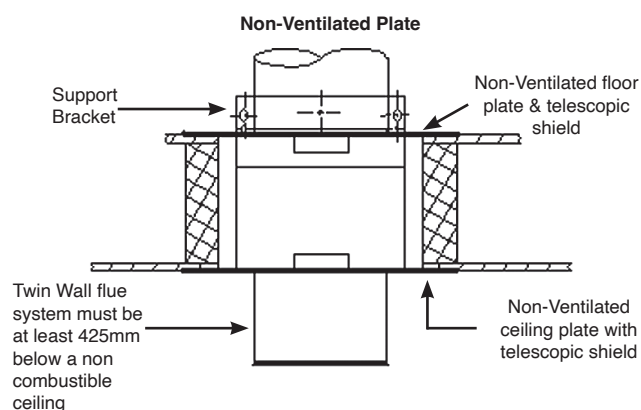
Find a suitable opening within the floor joists and create a four-sided enclosure within the space so the distance from the outside of the flue to the enclosure is no less than 50mm.

The locating tabs on the plate are designed to maintain the minimum distance. The telescopic radiation shield will require a distance of 150mm - 275mm. Anything greater than this will not maintain the integrity of the system.

The ceiling can be constructed using a combination of plaster and plasterboard to a total combined thickness of no less than 15mm. Fix the non-ventilated plate to the ceiling using 8 x 45mm screws. If using a decorative ceiling cover plate see Page 27.

Lower the floor plate so that the radiation shield locates with the radiation shield from the ceiling plate. Then secure with 8 x 45mm screws.

The chimney system can now be lowered or raised through the non-ventilated floor & ceiling plate.

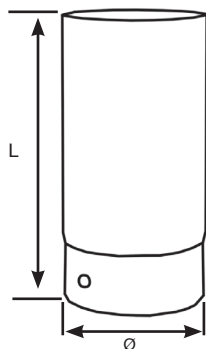


ENAMELLED FLUE PIPE

Stovax provided a range of enamelled flue pipe to aid installation and maintain the appearance of the appliance.

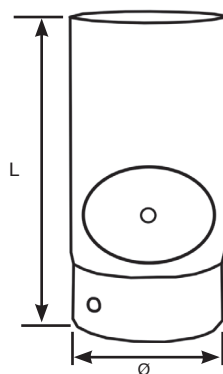
There are several options available:

STRAIGHT WITH NO DOOR



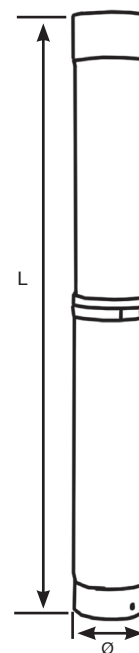
	Colour	250mm Length	500mm Length	1000mm Length
Ø125mm	Matt Black	998-145	998-156	998-163
Ø150mm	Matt Black	998-200	998-207	998-214

STRAIGHT WITH DOOR



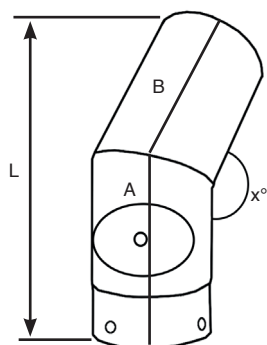
	Colour	500mm Length	1000mm Length
Ø125mm	Matt Black	998-170	998-184
Ø150mm	Matt Black	998-222	998-229

TELESCOPIC STRAIGHT WITHOUT DOOR



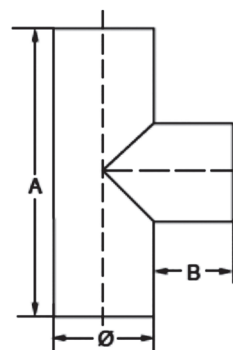
	Model	
125mm/5" x 510mm- 860mm	Telescopic Without a door	998-196
150mm/6" x 510mm- 860mm	Telescopic Without a door	998-233

BEND WITH DOOR



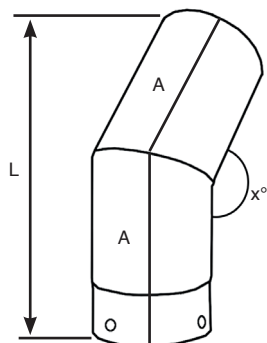
		A	B	L
Ø125mm	998-240	166mm	166mm	282mm
Ø150mm	998-274	173mm	173mm	296mm

TEE PIECE WITH END CAP



		A	B
Ø125mm	998-261	333mm	140mm
Ø150mm	998-301	333mm	140mm

BEND WITHOUT DOOR



		A	B	L
Ø125mm	998-255	166mm	166mm	282mm
Ø150mm	998-295	173mm	173mm	296mm

COMMISSIONING

New factory made metal flue systems should be checked and commissioned to the requirements of BS EN 15287 – 1:2007.

Confirm clearance to combustible materials is maintained along the full length of the flue system, and suitable protection to combustible materials is made as required. Ensure the required protection to prevent human contact is in place.

Check all support fixings are secure and an adequate support system is in place.

Check all joints are the correct orientation, secure, and the locking bands are in place.

Complete a smoke test as detailed in Appendix E: Approved Document J UK Building Regulations. This test is completed in 2 parts:-

a) **Part 1** – Close all doors and windows in the room with the flue in. Then warm the flue system with blow lamp to establish a flue draught. This could take some time with a large cold system. When the system is warm place a suitable number of smoke pellets in base of the flue or inside the appliance installed. When the smoke is drawn away, block and seal, the fireplace opening or close the appliance controls, so smoke can only enter the flue. When the smoke is seen to exit the flue terminal the top of the flue should be sealed. The full length of the system should then be checked for significant leaks, this test should continue for 5 minutes.

b) **Part 2** - Close all doors and windows in the room with the flue in. Then warm the flue system with blow lamp to establish a flue draught. When the system is warm place a suitable number of smoke pellets in base of the flue or inside the appliance installed so that smoke is drawn into the flue. The appliance controls should be opened fully. Any fireplace opening should be partially covered with board, just leaving a 25mm gap at the bottom edge for air entry. Smoke should then exit from the flue terminal, with no spillage into the room, or significant leakage from the system.

The purpose of completing smoke testing is to check that flue gases will rise freely through the flue and identify any leaking joints that could cause the escape of flue gases.

Some smoke pellets could create a pressure higher than the rated pressure of the flue system (N1). Flues of this rating (N1) are permitted to have some leakage, which could be seen as wisps of smoke near joints in the flue system. If large plumes or volumes of smoke are seen this could indicate a damaged or incorrectly made joint, and this should be rectified and the smoke tests repeated.

The closures at the top and bottom of the flue should then be removed.

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

Register with Building Control or Competent Persons Scheme.

MAINTENANCE

It is recommended that the flue system is cleaned by a qualified chimney sweep prior to installation and operation.

The frequency of cleaning depends on the type of appliance and how it is used:

Wood burning and multi-fuel appliances will require frequent attention.

Gas and oil burning appliances do not need to be swept as often.

Your chimney sweep will be able to advise you in more detail.

Wood burning and multi-fuel appliances should only be operated as detailed in the product user instructions and only be used to burn the recommended fuels. It is important to ensure wood is seasoned with a moisture content of less than 20%.

Do not use with appliances burning construction timber, painted, impregnated / treated wood, manufactured board products, pallet wood, bituminous coal or petro-coke.

To avoid the build up of tar and creosote in the flue system wood burning appliances should be burnt at the optimum operating temperature, with a bright fire and clean firebox. The use of a appliancepipe thermometer will help to establish this. It is not recommended to run wood burning appliances at a low output for long periods as this will cause a build-up of tar and creosote in the flue and increase the risk of a chimney fire.

Tar and creosote build-up can be identified by the following:-

- a) Tar running down the outside of the pipe.
- b) Tar dripping out of the joints.
- c) Poor appliance performance, and spillage of smoke into the room due to the restriction of the internal diameter of the flue.

This can endanger the occupier and cause damage to the property where the system is installed.

Any new flue system should be inspected after one month of use to confirm the integrity of the system. In the case wood and multi-fuel systems, the level of soot and tar build up will enable an assessment to be made of the future cleaning requirements.

The flue system should be inspected and cleaned a least once a year or more frequently depending on usage to ensure the system is maintained in a safe operating condition.

If your flue system is fitted with a spark arrester screen this should be inspected frequently as this can become obstructed.

The system should be cleaned using a correctly sized plastic brush. Metal brushes should not be used as they can damage the inner liner and lead to corrosion.

Before cleaning the rain cap should be removed to allow full access to the system. Care should be taken to not disengage any lower sections of the flue sections. Any other plugs and inspection covers should be removed and replaced carefully, as required to give access for cleaning.

OVER FIRING

Do not over-fill the appliance with fuel or use at maximum output for long periods or over-firing can occur. If the fluepipe, flue collar or top plate glows red the appliance is over-firing.

Close the appliance air controls to reduce the output.

Over-firing can cause permanent damage to the appliance and flue system.

CHIMNEY FIRE

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.

**Do not use the appliance after a chimney fire.
See Warranty section.**

Stovax Professional XQ™

- 10 Year Extended Warranty*



Stovax Professional XQ™ chimney systems are manufactured to the highest quality standards and tested in accordance with EN 1856-1. Under normal operating conditions, the Stovax Professional XQ range should provide many years of reliable service and for complete peace of mind, the range carries a 10 year conditional warranty*.

*10 Year Extended Warranty on twin wall components.

2 Year Extended Warranty on powder coated twin wall, single wall enamelled flue pipe, cowls and accessories.

1 Year Warranty on lead flashings.

Warranty Terms and Conditions

1. Components

1.1 The components within the range that are manufactured in only a single wall construction can be vulnerable when exposed to the products of combustion from solid fuel appliances, and this is especially true for terminals. In the majority of cases, an open-ended terminal will better suit an appliances' performance, but it is acknowledged that on occasions, other types of terminal from the range may have to be used to avoid rain entry. Condensate collectors are also vulnerable when exposed to flue gas by-products, particularly if the flue system is not regularly maintained and cleaned.

1.2 These such components are considered to be 'wearing parts' and their life expectancy will vary depending on location, application, fuel usage and maintenance. For this reason, these components are covered by our standard 2 year warranty and not by the 10 year extended warranty.

1.3 All Stovax Professional XQ external components are manufactured from Stainless Steel for their overall longevity, and accordingly any internal components used inappropriately outdoors will not be covered by the 10 year conditional Warranty.

1.4 Damage or defects caused to components by being stored in a damp, unheated environment will not be covered by the warranty.

2. Important Warranty Information

2.1 The Stovax Professional XQ chimney system carries a 10 year Extended Warranty for any defect due to faulty manufacture, this is provided that your system has been installed in accordance with our installation instructions, and has been used for the purpose it was designed for. In addition your system must be regularly cleaned, maintained and inspected (at least once a year, and more regularly if the appliance is used continuously or frequently) by a qualified chimney sweep or HETAS Engineer. Written documentation to demonstrate the inspection and cleaning of the chimney by an appropriately qualified person must be kept to validate the ten year warranty.

3. Use only approved solid fuels

3.1 When burning solid fuel in your appliance, care should always be taken to use a high quality fuel. Burning some fuels such as petroleum coke or other fuels containing a blend of petroleum coke will invalidate your warranty.

3.2 Some smokeless fuels also contain halogens which when burnt in your appliance can cause premature corrosion to your chimney system, ONLY HETAS or SFA (Solid Fuels Association) approved fuels must be used with your Stovax XQ System. For guidance on fuel choices please visit www.hetas.co.uk

4. Biofuels

4.1 Whilst Stovax Professional XQ chimney systems are designed to be used with peat, pellet or wood chip fuels, it has been proven that certain other bio-fuels when burnt will cause premature wear to stainless steel components. Accordingly please consult our technical department to ensure your choice of fuel will not invalidate your warranty.

5. Other Fuels/Materials which will invalidate your warranty

5.1 Stovax Professional XQ Chimney Systems must not be used for appliances burning plastic, constructional timber, painted timber, impregnated or treated timber, manufactured board and pallet wood. Use of any of these materials will invalidate the warranty.

5.2 Stovax Professional XQ Chimney Systems are not approved for use with incinerators.

6. Chemical contamination from combustion air

6.1 Under no circumstance should an appliance be located where there is the potential of chemical contamination of the combustion air. Typical examples are de-greasing plants, dry cleaning agents and chemical cleaning products. Use of Stovax Professional XQ™ Chimney Systems in such circumstances will invalidate the warranty.

7. Chemical chimney cleaning products

7.1 Only traditional chimney sweeping with polypropylene brushes should be employed and under no circumstances should chemical cleaning products be used to clean your chimney system.

8. Coastal locations

8.1 Where the chimney system is exposed to severe coastal locations, you must ensure adequate protection to the outer components of your Stovax Chimney System; this can be achieved using a specialist protective coating.

9. Chimney Fires

9.1 A Chimney Fire will invalidate your warranty; in the event of a chimney fire it is always advisable to replace the complete chimney system.

Should you experience problems with your Professional XQ™ Chimney System, any claim must be submitted first to the Expert Retailer from where the system was purchased, your Expert Retailer will either be able to offer immediate assistance or make contact with Stovax on your behalf.

Repaired or replaced products are covered only for the remainder of the original warranty period.

If you should ever wish to make a warranty claim because of a product fault or defect, you must inform your retailer within a reasonable amount of time, usually this is within 14 days from the date on which the fault or defect first became apparent. If the product fault or defect is notified after 14 days from the date on which the fault or defect became apparent, Stovax cannot accept any liability for events or issues which arise after the 14 day period or which are caused or increased by the lack of notification which therefore prevented action being taken to restrict or eliminate any consequences arising from the fault or defect at an earlier date.

In the event of a product fault occurring during the warranty period, Stovax will send the appropriate component or goods necessary to rectify the fault, free of charge.

Nothing in the Extended Warranty shall make Stovax liable for any or special, incidental or consequential damages, injury to persons or property, or any other consequential loss. The liability on these issues is covered by Stovax's Terms and Conditions of Sale.

Stovax's total liability extends only to the purchase price paid for the goods, except where such a limitation is prohibited by statute. Stovax, in the event of a warranty claim, reserves the right to either replace the goods in question or to refund the purchase price of the goods.

The Stovax Extended Warranty does not affect your statutory rights.

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

Stovax Limited, Spitfire Avenue, Skypark, Clyst Honiton, Exeter, Devon, England EX5 2FR

Tel: (01392) 474040 E-mail: chimneysystems@stovax.com www.stovax.com

FOR ENQUIRIES IN EUROPE (INCLUDING NI):

Stovax Heating Group (NI) Ltd (Comp reg NI675194), 40 Linenhall Street, Belfast, BT2 8BA DX

400 NR Belfast Tel: +44 (0)1392 261990 E-mail: northernireland@stovax.com



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