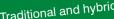
Grant EZ-Fit flue guide

Universal EZ-Fit flue systems to suit all Grant Vortex condensing boiler ranges

C E Fully compliant with the latest legislation

Low Level balanced flues • High Level balanced flues • Rigid and flexible Vertical balanced flues • External High Level flues Traditional and hybrid conventional flues • Guide to flue clearances • Modular flue design service





Round **Low Level** balanced flue systems stainless steel

Low Level EZ-Fit flue kits Yellow system

Grant's low level balanced range of EZ-Fit flue systems have been developed to make the installation of Grant boilers both quick and simple, whilst ensuring trouble free operation – even in the most exposed site conditions.

Reduces installation time

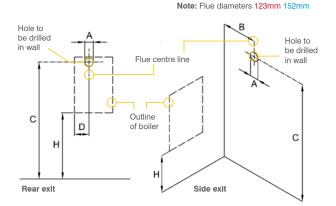
The round low level kits feature self-sealing ducts requiring no silicone or tape for joints, and the unique quick-fit connection arrangement ensures a perfect seal every time. In fact, the telescopic flue system requires only two simple operations to complete the installation. The kits are compatible with all Grant boilers, except external modules.

The Grant flue terminal

The flue terminal has a compact design, making it ideal for installations where the visual appearance is important. The design reduces the possibility of condensate, produced in the combustion process, staining external wall surfaces or patio slabs.

Low Level balanced flue hole cutting dimensions				
Model	Dimer	isions	(mm)	
	A dia	В	С	D
Vortex Pro 15/21 & 15/26	127	115	768	n/a
Vortex Eco 15/21 & 21/26	127	115	768	n/a
Vortex Pro 26/36 & 36/46	162	115	780	n/a
Vortex Eco 26/35	162	115	780	n/a
Vortex Pro 46/58 & 58/70	162	112	1105	n/a
Vortex Pro Combi 21e & 26e	127	115	768	n/a
Vortex Pro Combi 36e	162	105	780	n/a
Vortex Eco Wall Hung 12/16 & 16/21	127	112	H + 765*	220
Vortex Pro Boiler House 26/36 & 36/46	162	115	780	n/a
Vortex Pro Boiler House 46/58 & 58/70	162	112	780	n/a

Note: *H is the height (mm) from floor to underside of boiler casing.



Note: Dimension 'B' is given with the boiler pushed back against the rear wall. Any clearances must be added to 'B'.

Extensions

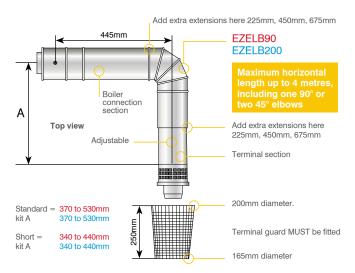
The flue kits are telescopic and available in short or standard options. For wall thicknesses greater than shown, three extensions are available which extend the flue by 225mm, 450mm or 675mm to a maximum of four metres. 90° and 45° elbows are also available to give a greater degree of flexibility when siting the boiler.

Plume diverter kits

Grant has developed a solution for existing low level flues where pluming causes a nuisance. The new plume diverter kits are designed to fit with our latest EZ-Fit Yellow Low Level balanced flue system. The kit comprises, a starter elbow, which fits over the already fitted flue terminal, 2 x 1m lengths of stainless steel flue pipe, a terminal elbow together with 2 x adjustable brackets. It is available in 80mm diameter for boilers up to 26kW and 100mm diameter for boilers from 26-70kW.

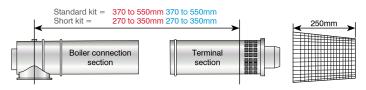
Low Level flue kit

with 90° elbow extension added



Low Level flue kit (stainless steel)

Standard flue kit: EZ90 / EZ200 Short flue kit: EZ90S / EZ200S

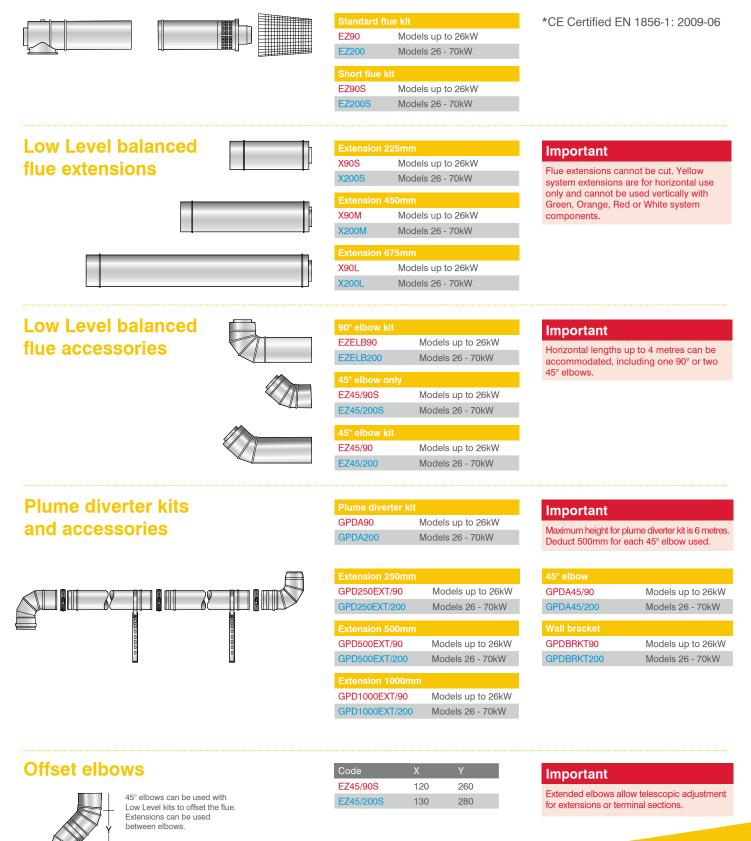


Contents of Low Level flue kit:

Boiler connector section Terminal section Stainless steel flue guard

Dress plate (not shown) Plugs and screws Side outlet cover trim (not shown) Lubricant (not shown) Snorkel clamp (not shown)

Low Level balanced flue kits



Elbows directly connected

Internal **High Level** balanced flue systems - white powder coated

High Level balanced flue kits White system

High Level balanced flue kits feature the same EZ-Fit boiler connections as the low level flue. The unique connection system on the High Level flue ensures easy assembly thereby reducing installation costs.

Flexible design

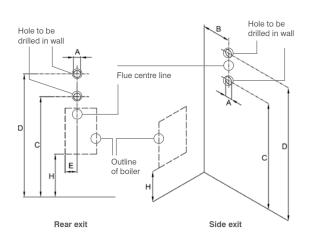
The kits may be extended horizontally and vertically. It is now possible to create offsets in standard High Level flue systems by using our 45° elbows and extension kits – increasing the versatility of this range.

Maximum flue length

High Level balanced flues can be extended to **a maximum of 10 metres overall**, using the extension kits illustrated on Page 5. Deduct one metre for each additional 45° elbow used (maximum 6 elbows).

High Level balanced flue hole c	utting	dime	nsions			
Model	Dimer	nsions	s (mm)			
	A dia	В	C min	D min	D max	Е
Vortex Pro 15/21 & 15/26	175	115	1225	1740	2130	n/a
Vortex Eco 15/21 & 21/26	175	115	1225	1740	2130	n/a
Vortex Pro 26/36 & 36/46	200	115	1275	1710	2010	n/a
Vortex Eco 26/35	200	115	1275	1710	2010	n/a
Vortex Pro 46/58 & 58/70	200	112	1600	2035	2335	n/a
Vortex Pro Combi 21e & 26e	175	115	1225	1740	2130	n/a
Vortex Pro Combi 36e	200	115	1275	1710	2010	n/a
Vortex Eco Wall Hung 12/16 & 16/21	200	112	H+1217*	H+1732*	H+2122*	220
Vortex Pro Boiler House 26/36 & 36/46	200	115	1275	1710	2010	n/a
Vortex Pro Boiler House 46/58 & 58/70	200	115	1600	2035	2335	n/a

Note: *H is the height (mm) from floor to underside of boiler casing.



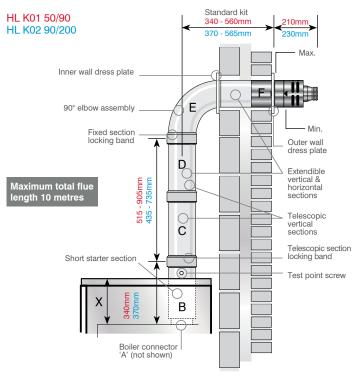
Note: Flue pipe diameter: **150mm 180mm** excluding locking bands (see dimension 'A' opposite for hole size).

Dimensions

Section 'B' is the starter piece for the flue system and fits into the boiler connector supplied with the kit. Section 'B' incorporates the air supply spigot and a combustion test point. Sections 'C' and 'D' combine to form a telescopic length. Terminal section 'F' slides over elbow 'E'. The horizontal length can be extended using the extensions listed. The adjustable extension cannot be connected to the terminal section 'F' – a fixed extension must be used. The vertical height can be extended using the extensions or 45° elbows listed. For short heights sections 'C' and 'D' may be omitted and elbow 'E' fitted to starter section 'B'.

Top casing height = X	
Model	Dimensions (mm)
Vortex Pro 15/21 & 15/26	170
Vortex Eco 15/21 & 21/26	170
Vortex Pro 26/36 & 36/46	205
Vortex Eco 26/35	205
Vortex Pro 46/58 & 58/70	225
Vortex Pro Combi 21e & 26e	170
Vortex Pro Combi 36e	205
Vortex Eco Wall Hung 12/16 & 16/21	165

Internal High Level flue kit (white powder coated)



Contents of High Level balanced flue kit:

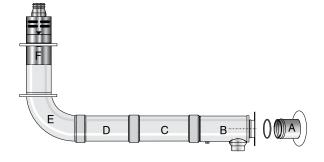
Boiler connector A Short starter section B Vertical telescopic section C/D Horizontal telescopic section (inc. terminal) E/F

Note: For height adjustment see chart left.

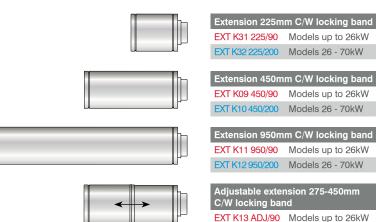
Locking bands Inner seals (red) Outer seal (black)

Boiler connector Dress plates (inner & outer) Fitting Instructions

Internal High Level balanced flue kits



Internal High Level balanced flue kits



 \checkmark

500

665 1010

545 700 1055

300

455 810

320 475 830

1.2 metre High Level flue kit Models up to 26kW HI K01 50/90 HL K02 90/200 Models 26 - 70kW

Important

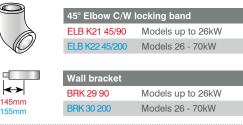
If the terminal section executes below two metres, a terminal guard must be fitted.

A terminal guard is required when the flue terminates less than 2 metres above outside ground level (not supplied as standard).

Important

Flue extensions cannot be cut. White system extensions are for High Level, Vertical and Red system Internal use only and cannot be used with Yellow, Green or Orange system components.

High Level balanced flue accessories

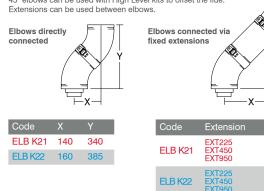


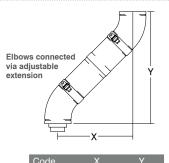
EXT K14 ADJ/200 Models 26 - 70kW

Important

High Level balanced flues can be extended to a maximum length of 10 metres using the extension kits illustrated above. Deduct one metre for each additional 45° elbow used (maximum 6 elbows).

Offset elbows 45° elbows can be used with High Level kits to offset the flue.





535-655 ELB K21 335-455 ELB K22 355-475 580-700

Important

A terminal guard is required when the flue terminates less than 2 metres above outside ground level (not supplied as standard).

*Internal High Level balanced flue systems are compatible with all Grant boilers, with the exception of the external modules.

Internal **Vertical** balanced flue systems - white powder coated

Vertical balanced flue kits White system

Vertical balanced flue kits share the same EZ-Fit boiler connections as our High Level kits. The unique connection system on the Vertical balanced flue ensures easy assembly thereby reducing installation costs.

Flexible design

As with our High Level kits it is now possible to create offsets in straight flue runs by using our 45° elbows and adjustable extension kits – increasing the versatility of this range.

Maximum Vertical flue length

Vertical balanced flues can be extended to a maximum length of 12 metres in a straight run using the extension kits illustrated on Page 7. Deduct one metre for each additional 45° elbow used (maximum 6 elbows).

Dimensions

The dimensions shown are measured from the top of the boiler spigot, not the boiler case. The distance between the boiler flue spigot and the top of the casing should be taken into consideration (See boiler installation manual).

Section (A) is the starter piece for the flue system and push fits into the boiler connector supplied with the kit. Section (B) incorporates the air supply spigot and a combustion test point.

Sections (C) and (D) combine to form a telescopic length. Fixed extension (E) fits onto telescopic section (D). Terminal section (F) fits onto fixed extension (E).

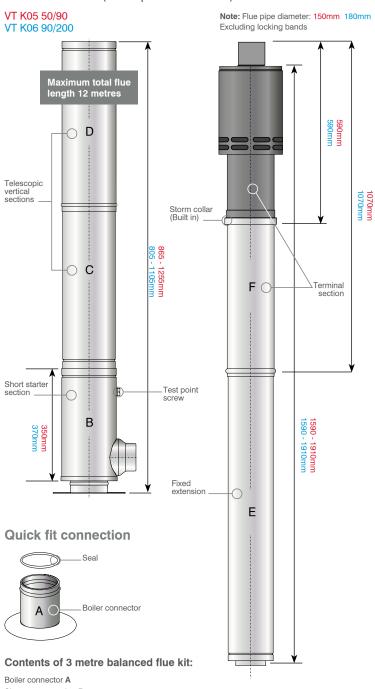
For short flue heights section (E) may be omitted and the terminal section (F) may be fitted directly to section (D). The terminal section (F) overlaps section (D) by 50mm.

New terminal extension

A new extended black terminal section for the Vertical flue systems is now available, which extends the flue extract section by a further one metre (VTTEXT90 / VTTEXT200).

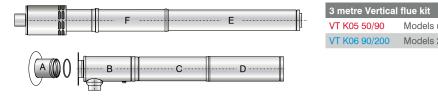
This kit is useful, if for instance, there is a Velux roof window or opening too close to the terminal.



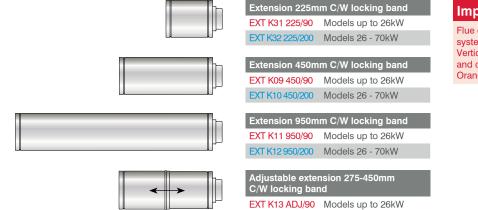


Solie connector A Short starter section B Telescopic vertical sections C/D Fixed section 950mm E Terminal section F (inc. storm collar) Locking bands (not shown) Inner seals (red) Ceiling dress plate (not shown) Firestop spacers (not shown) Wall bracket Fitting Instructions

Internal Vertical balanced flue kits



Internal Vertical balanced flue extensions



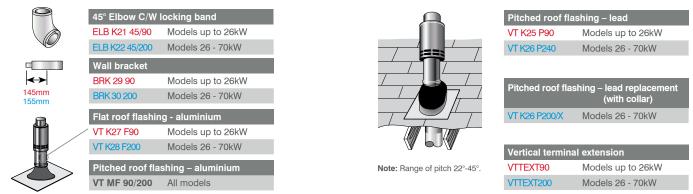
Important

Models up to 26kW

Models 26 - 70kW

Flue extensions cannot be cut. White system extensions are for High Level, Vertical and Red system Internal use only and cannot be used with Yellow, Green or Orange system components.

Vertical balanced flue accessories



EXT K14 ADJ/200 Models 26 - 70kW

Offset elbows 45° elbows can be used with High Level kits to offset the flue. Extensions can be used between elbows Elbows connected Elbows directly Elbows connected via via adjustable connected fixed extensions extension Code Code Code Х ELB K21 340 ELB K21 335-455 535-655 140 EXT225 EXT450 EXT950 500 665 1010 300 ELB K21 455 810 385 355-475 580-700 ELB K22 160 ELB K22 545 700 1055 320 475 830 ELB K22

Flexible **Vertical** balanced flue systems - stainless steel inner liner with polypropylene outer

Rigid to flexible balanced flue system

Unique Flexi Vertical balanced flue kits Red system

The Grant Red system is the flexible balanced flue solution to nuisance pluming and cold draughts. It is designed for Grant condensing boilers up to 26kW (90,000Btu/h) and allows an existing masonry chimney to be utilised rather than re-site the boiler and pipework.

Red system kits

The Red system is supplied in two parts: Pack 1 consists of the rigid/flex adaptor, telescopic flue (upper and lower), support clamp, locking band, starter section, boiler connector, fixings and screws and a tube of mastik. Pack 2 comprises two lengths of stainless steel flexible vertical flue pipe and is available in lengths for 6, 8, 10 and 12 metres.

Extensions and elbows (from White system)

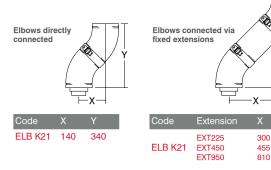
The Flexible Vertical balanced flue kits share the same EZ-Fit flue extensions and elbows as the Grant White system. This unique quick fit connection arrangement ensures easy assembly thereby reducing installation costs.

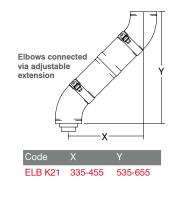
The maximum vertical straight length of the flue, from the top of the boiler to the top of the terminal, is 20 metres – using no more than four 45° elbows.

One metre of straight flue length should be deducted for every elbow used. If the flexible liner has to pass around an offset inside the chimney, two metres of straight flue length should be deducted to compensate for this i.e. equivalent two 45° elbows. Flue extensions cannot be cut, adjustable extensions should be used where required.

Offset elbows

45° elbows can be used with High Level kits to offset the flue. Extensions can be used between elbows.





500

665

1010

Maximum straight flue length from the boiler to the top of flue terminal = 20 metres.

Note: Flexi flue pipe diameter: Inner diameter - 80mm Outer diameter - 125mm

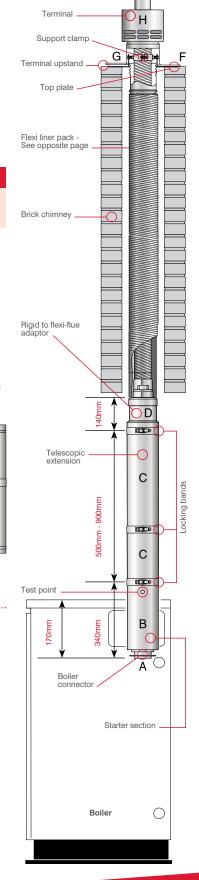
Important

The Grant Red system shares extension pieces and elbows from the White system.

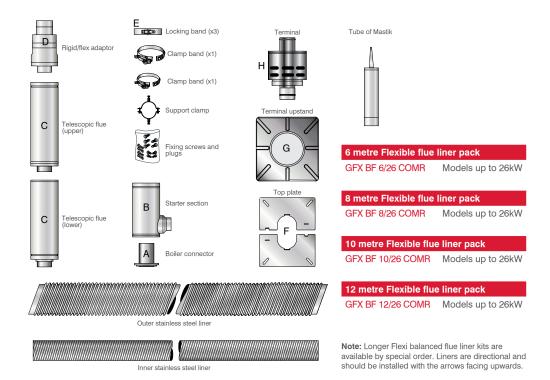
Optional extras

(from White system)

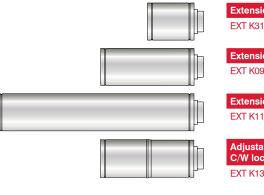




Flexi Vertical balanced flue pack with liner



Rigid flue extensions & elbows (from White system)



Ø

Extension 225m	In C/W locking band
EXT K31 225/90	Models up to 26kW
Extension 450m	m C/W locking band
EXT K09 450/90	Models up to 26kW
Extension 950m	m C/W locking band
	m C/W locking band Models up to 26kW
EXT K11 950/90	Models up to 26kW

45° elbow C/W locking band ELB K21 45/90 Models up to 26kW

Important

Flue extensions cannot be cut. White system extensions are for High Level, Vertical and Red system Internal use only and cannot be used with Yellow, Green or Orange system components.

External **High Level/Vertical** flues - stainless steel

External High Level/Vertical EZ-Fit flues Green system

Grant's range of EZ-Fit flue systems have been extended to include External High Level and Vertical options for all Grant condensing models. These systems are supplied in a modular form, enabling most installations to be accommodated and are manufactured from high grade stainless steel.

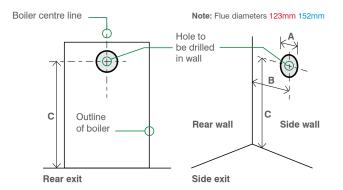
Starter flue kits (Plume diverter)

The starter flue kit enables all internal boilers to be connected to an External High Level or Vertical flue system, whilst maintaining the room sealed operation of the boiler. It is even possible to convert an existing EZ-Fit Low Level balanced flue kit to an External High Level or Vertical arrangement without any additional building work. This is particularly useful when pluming from a low level flue terminal is a nuisance.

Flue hole cutting dimensions

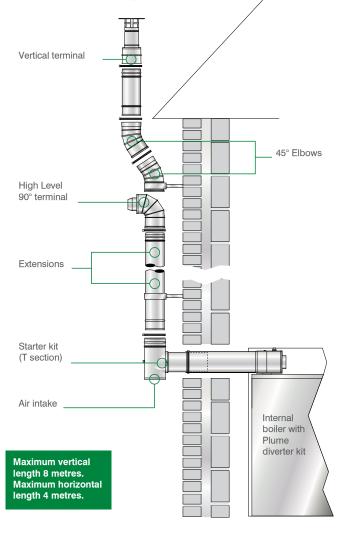
Model	Dimensi	ons (mm)	
	A dia	В	С
Vortex Pro 15/21 & 15/26	127	115	768
Vortex Eco 15/21 & 21/26	127	115	768
Vortex Pro 26/36 & 36/46	162	115	780
Vortex Eco 26/35	162	115	780
Vortex Pro 46/58 & 58/70	162	112	1102
Vortex Pro Combi 21e & 26e	127	115	768
Vortex Pro Combi 36e	162	105	780
Vortex Eco Wall Hung 12/16 & 16/21	127	112	H + 765*
Vortex Pro Boiler House 26/36 & 36/46	162	115	780
Vortex Pro Boiler House 46/58 & 58/70	162	115	780



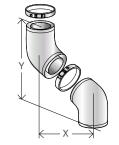


Note: Dimension 'B' is given with the boiler pushed back against the rear wall. Any clearances must be added to 'B'.

External flue systems



Offset elbows



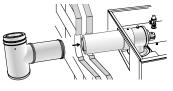
Code	Х	
GE45/90	126	304
GE45/200	142	343
	126 142	304 343

45° elbows can be used with high level flues to create off-sets. Extensions can be used between elbows.

Low Level starter kits

Standard kit = 370 to 550mm 370 to 550mm Short kit =

270 to 350mm 270 to 350mm



Contents of Low Level starter kit: • Boiler connector section

- Tee section
- Side outlet cover trim
- Snorkel clamp (not shown)
- Dress plate
- · Fixing clamp and gasket
- Lubricant (not shown)

External High Level/Vertical starter flue kit



Standard flue kit

Models up to 26kW Models 26 - 70kW

Models up to 26kW

Models 26 - 70kW

Starter flue kits can be extended horizontally using extensions or elbows from the Low Level balanced flue, Yellow system only. See page 3.

External High Level/Vertical stainless steel flue extensions (double skin)

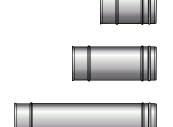
GK90

GK200

GK90S

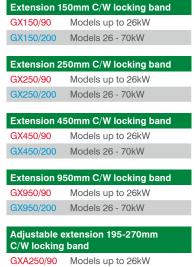
GK200S

Short flue kit







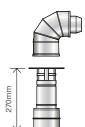


Important

Important

Flue extensions cannot be cut. Green system extensions are for horizontal or vertical use with conventional flue systems only and cannot be used with Yellow or White balanced flue components.

Terminals stainless steel



High Level 90° terminal			
GTH90	Models up to 26kW		
GTH200	Models 26 - 70kW		
Vertical term	inal		
GTV90	Models up to 26kW		
GTV200	Models 26 - 70kW		

GXA250/200 Models 26 - 70kW

Important

Extension lengths given are effective lengths i.e. When fitted in a flue system.

Accessories stainless steel



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K \rightarrow 360mm maximum



45° elbow C/W locking band		
GE45/90	Models up to 26kW	
GE45/200	Models 26 - 70kW	

Extended wall bracket		
GEB90	Models up to 26kW	
GEB200	Models 26 - 70kW	



JEB200	Models 26 - 70kW
Vall bracket	
GWB90	Models up to 26kW
GWB200	Models 26 - 70kW

Conventional flue systems - stainless steel

Rigid to Flexible Conventional flue system

Conventional flues for Grant Vortex condensing boilers Orange system

As many older oil fired boilers are traditionally connected to conventional flue systems, updating to a modern condensing boiler often results in the appliance needing to be relocated. The Grant EZ–Fit Conventional flue system (Orange system) has been specifically designed to enable the existing chimney to be re-used and the boiler retained in its original position.

EZ-Fit Flexi packs

Grant have developed a range of EZ-Fit Flexi packs containing all the components required to utilise the existing chimney, including a smooth bore stainless steel flue liner, terminal, clamp plate and connectors for both the flex and boiler. All that is required to complete the installation is extension pipes or elbows from our Orange system accessories range.

Please note: the flexi liner should be installed with the directional arrows pointing upwards only.

Pluming

Condensing boilers operate at extremely high efficiencies with cool flue gas temperatures, resulting in a plume of vapour being visible at the flue terminal. This pluming (steam) is a normal condition of condensing boilers and indicates that the appliance is working efficiently. As an alternative to a Low Level, High Level, or Vertical balanced flue kit, utilising the original chimney with a Grant conventional Flexi-pack moves the plume of vapour above roof level.

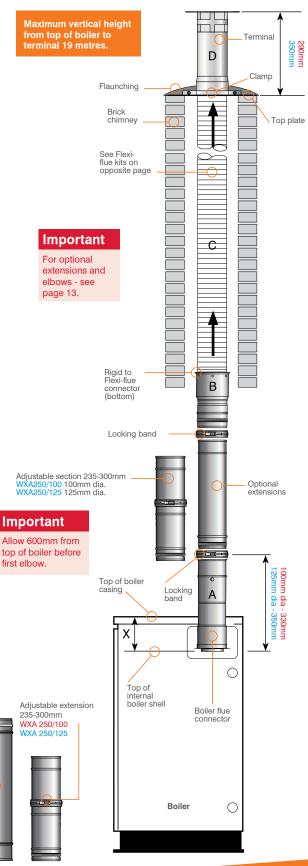
Combustion air and ventilation

An adequate permanent air supply is required for the safe operation of all open-flued (conventional flued) oil-fired appliances. For new or replacement boilers in properties built prior to the latest change to the Building Regulations (pre Approved Document L1A 2006) in England and Wales this ventilation must be in accordance with BS5410: Part1:1997. For installations in properties built or refurbished under the above current Building Regulations, the first 5kW of output should no longer be omitted for the purposes of calculating the ventilation area required.

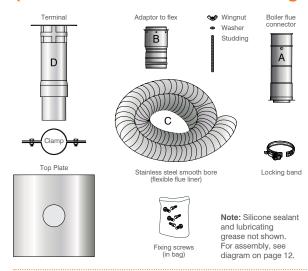
Top casing height = X	
Model	X dimensions (mm)
Vortex Pro 15/21 & 15/26	170
Vortex Eco 15/21 & 21/26	170
Vortex Pro 26/36 & 36/46	205
Vortex Eco 26/35	205
Vortex Pro 46-58 & 58/70	225
Vortex Pro Combi 21e & 26e	170
Vortex Pro Combi 36e	205
Vortex Eco Wall Hung 12/16 & 16/21	165







Smooth Bore Flexi-flue kits stainless steel (to suit Grant Vortex condensing boilers only)



6 metre Flexib	le flue kit
GF KIT 6/100	Models up to 46kW
GF KIT 6/125	Models 46 - 70kW
8 metre Flexib	le flue kit
GF KIT 8/100	Models up to 46kW
GF KIT 8/125	Models 46 - 70kW
10 metre Flexi	ble flue kit
GF KIT 10/100	
GF KIT 10/100 GF KIT 10/125	Models up to 46kW
	Models up to 46kW
	Models up to 46kW Models 46 - 70kW
GF KIT 10/125 11 metre Flexi	Models up to 46kW Models 46 - 70kW

GF KIT 11/125 Models 46 - 70kW

12 metre Flexible flue kit				
GF KIT 12/100	Models up to 46kW			
GF KIT 12/125	Models 46 - 70kW			
14 metre Flexible flue kit				
GF KIT 14/100	Models up to 46kW			
GF KIT 14/125	Models 46 - 70kW			
16 metre Flexible flue kit				
GF KIT 16/100	Models up to 46kW			

GF KIT 16/125 Models 46 - 70kW

Flue extensions white powder coated (single skin)

	Extension 15	0mm C/W locking band
	WX 150/100	Models up to 46kW
	WX 150/125	Models 46 - 70kW
· · · · · · ·		
	Extension 25	0mm C/W locking band
	WX 250/100	Models up to 46kW
li−−−fi	WX 250/125	Models 46 - 70kW
	Extension 45	0mm C/W locking band
	WX 450/100	Models up to 46kW
h	WX 450/125	Models 46 - 70kW
ÎĤ		0mm C/W locking band



WX 150/100	Models up to 46kW
WX 150/125	Models 46 - 70kW
Extension 25	0mm C/W locking band
WX 250/100	Models up to 46kW
WX 250/125	Models 46 - 70kW
Extension 45	0mm C/W locking band
WX 450/100	Models up to 46kW
WX 450/125	Models 46 - 70kW

Models 46 - 70kW

Models up to 46kW

Models 46 - 70kW

Adjustable extension 235-300mm

W locking band

Important

Flue extensions cannot be cut. Orange system extensions are for vertical use only and cannot be used with Yellow or White system components.

Accessories white powder coated



45° elbow C/W locking band WE 45/100 Models up to 46kW WE 45/125 Models 46 - 70kW

Important

Wherever possible incorporate one adjustable section. No more than two 45° elbows can be used.

Extension lengths given are effective lengths i.e. When fitted in a flue system.

Offset elbows

45° elbows can be used to offset the flue Flue extensions can be used between elbows.



Code	Х	Y
WE45/100	126	304
WE45/125	142	343

WX 950/125

WXA250/125

C/W locking band WXA250/100

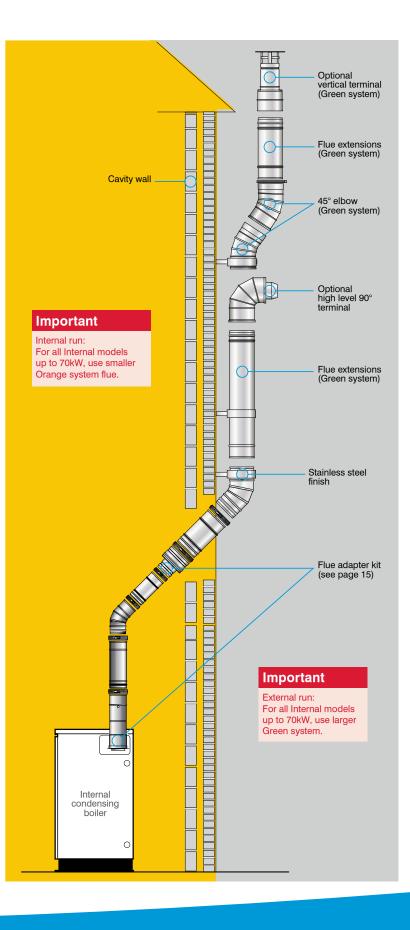
Hybrid **Conventional** flue systems - interconnecting flues

Orange to Green hybrid system

Using components from the Grant Orange and Green flue systems it is possible to construct bespoke flue systems to overcome specific boiler siting problems.

See page 13 for white powder coated internal Orange system components and pages 11 & 15 for external Green system and adaptors.

For further information contact the Technical Department on 01380 736920.

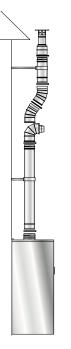


External Green system - Outdoor module

External Eco Wall Hung

See page 11 for extensions, elbows and terminals.

Note: Use starter straight connector for vertical extension.



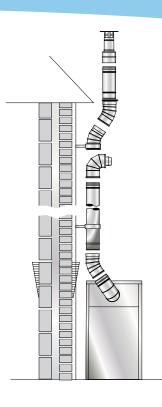
Vertical solution

See page 11 for extensions, elbows and terminals.

Important

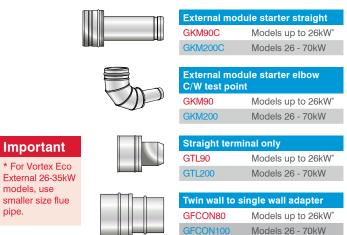
Components from the Orange and Green system can be used to construct Internal High Level, or Vertical Conventional flue systems using the flue adaptor kit CFA 15/70.

> Maximum vertical length 19 metres



Accessories

External modules only.



Flue adapter kit

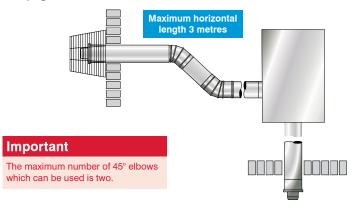
pipe.

Internal boilers only. See page 11 for extensions, elbows and terminals.



Horizontal solution

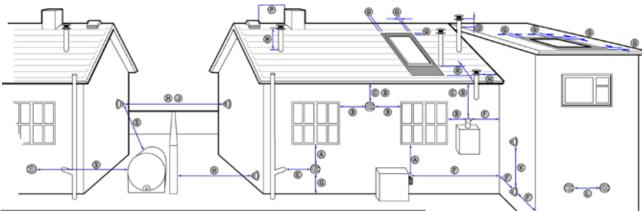
See page 11 for extensions, elbows and terminals.



Starter connectors

The starter elbow converts any of Grant's external modules or module combis to High Level or Vertical Conventional flue operation.

The starter straight connector allows the low-level discharge flue system of any Grant External module or module combi to be extended horizontally. The stainless steel flue components are fully insulated, have 'O' ring seals and locking bands, ensuring a rigid construction every time.



Ref	Location of outlet	Pressure Jet (mm)	Condensing (mm)
А	Directly below an opening, air brick opening, opening window, etc.	600	1000**
В	Horizontally to an opening, air brick opening, opening window, etc.	600	1000**
С	Below a gutter, eaves or balcony with protection	75*	1000**
D	Below a gutter, eaves or balcony without protection	600	1000**
Е	From vertical sanitary pipework	300	
F	From an internal or external corner	300	
G	Above ground or balcony level	300	
Н	From a surface or boundary facing the terminal	600	2500**
J	From a terminal facing the terminal	1200	
Κ	Vertically from a terminal on the same wall	1500	
L	Horizontally from a terminal on the same wall	750	
Μ	Above the highest point of an intersection with the roof	600	
Ν	From a vertical structure to the side of the terminal	750	
0	Above a vertical structure less than 750 mm from the side of the terminal	600	
Ρ	From a ridge terminal to a vertical structure on the roof	1500	
Q	Above or to the side of any opening on a flat or sloping roof	300	
R	Below any opening on a sloping roof	1000	
S	From oil storage tank (Class 1)	1800***	

EZ O CONVENTIONAL FLUE DESIGN SERVICE

Individually designed conventional flue systems for modular boiler installations.

Grant UK offers a unique customised design service, where two or more boilers are connected in a modular form to a single conventional flue stack. This service includes the design and supply of flue headers and flue systems for condensing boiler installations and is available to merchants upon completion of a simple site survey form. Contact our technical department on: +44 (0)1380 736920 for further details.

Note:

A heat shield at least 750mm wide must be fitted to provide protection of combustible material

- Clearances required by BS 5410-1:2014 to alleviate the effect of plume nuisance. If a risk assessment shows that there will be no impact from plumbing, then the 'pressure jet' figure could apply seek confirmation from Local Authority Building Control.
- *** Seek guidance from OFTEC Book 3 (Oil Storange and Supply).
- Appliances burning class D fuel have additional restrictions. Refer to BS 5410-1:2014.
- 2
- Vertical structure in N, O and P includes tank or lift rooms, parapets, dormers, etc. Terminating positions A to L are only permitted for appliances that have been approved for low level flue discharge when tested in accordance with BS EN 303-1, OFS A100 or OFS A101. З.
- 4. Terminating positions should be at least 1.8 metres from an oil storage tank (Class 1) unless a wall with at least 30 minutes fire resistance and extending 300 mm higher and wider than the tank is provided between the tank and the terminating position.
- Where a flue is terminated less than 600 mm away from a projection above it and the projection consists of plastics or has a combustible or painted surface, then a heat shield of at least 750 mm 5 wide should be fitted to protect these surfaces.
- 6. If the lowest part of the terminal is less than 2 metres above the ground, balcony, flat roof or other place to which any person has access, the terminal should be protected by a guard
- 7. Notwithstanding the dimensions given above, a terminal should not be sited closer than 300 mm to combustible material. In the case of a thatched roof, double this separation distance should be provided. It is also advisable to treat the thatch with a fire retardant material and close wire in the immediate vicinity of the flue.
- 8.
- A flue or chimney should not pass through the roof within the shaded area delineated by dimensions Q and R. Where protection is provided for plastics components, such as guttering, this should be to the standard specified by the manufacturer of the plastics components. 9.
- 10. Terminals must not be sited under car ports.
- 11. Terminals at low levels (terminals under 2.1 metres) have more restrictive recommendations and should not be positioned near public footways, frequently used access routes, car parking spaces less than 2.5 metres from the terminal or patio's (hard surface area).
- Further guidance can be obtained from BS 5410-1:2014, OFTEC Book 4 (Installation) and Approved Document J.
- Grant UK flue products are fully compliant with the CE (Communauté Européenne/European Community) standards having undergone rigorous product testing.



Grant Engineering (UK) Ltd

Hopton House, Hopton Industrial Estate, Devizes, Wiltshire, SN10 2EU

t: +44 (0)1380 736920 f: +44 (0)1380 736991 e: sales@grantuk.com w: www.grantuk.com



This leaflet is accurate at the time of printing but as Grant UK has a policy of continual improvement it may be superseded. We reserve the right to amend specifications without prior notice. The statutory rights of the consumer are not affected.

All products manufactured under I.S. EN ISO 9001. Grant UK additionally holds ISO 14001 accreditation

