



WE BELIEVE  
IN MAKING THINGS  
EASY FOR YOU



TECHNICAL SPECIFICATIONS AND FLUEING INFORMATION

# WELCOME TO OUR IDEOLOGY



Flexible warranties  
available



Year round  
customer support



British made  
since 1906

At Ideal Boilers we believe in complete comfort and the last thing you should worry about is your boiler. That's why we rigorously test each and every one of our products with dozens of safety and reliability checks before they leave our Yorkshire based factory. This is why we confidently offer industry leading warranties on our boilers so we can go the extra mile for our customers.

We believe in delivering customer support that makes you smile. Should you need us, our UK based contact centre is open 364 days a year. If your query isn't resolved over the phone, we aim to get an engineer to your property the same day or the next.

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Customer Service:

**01482 498660**

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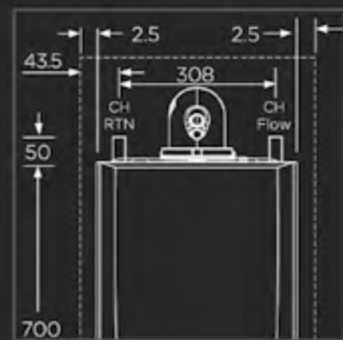
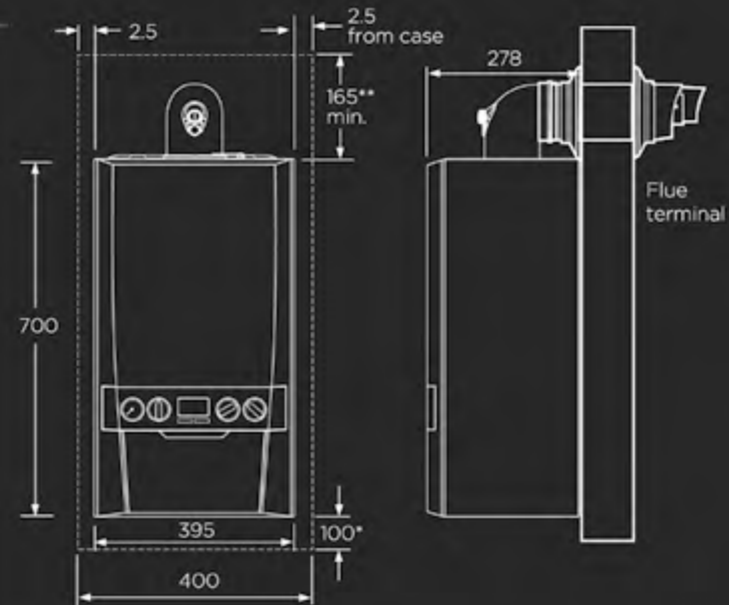
E: [enquiries@idealboilers.com](mailto:enquiries@idealboilers.com)

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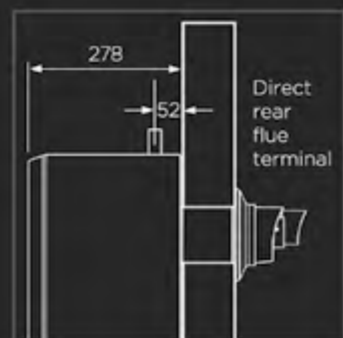
 **GROUPE  
ATLANTIC**  
UK, ROI & NORTH AMERICA DIVISIONS

# Logic

Combi ESP1, System & Heat clearances & dimensions



LOGIC HEAT CH RTN / CH FLOW



LOGIC HEAT REAR FLUE OPTION

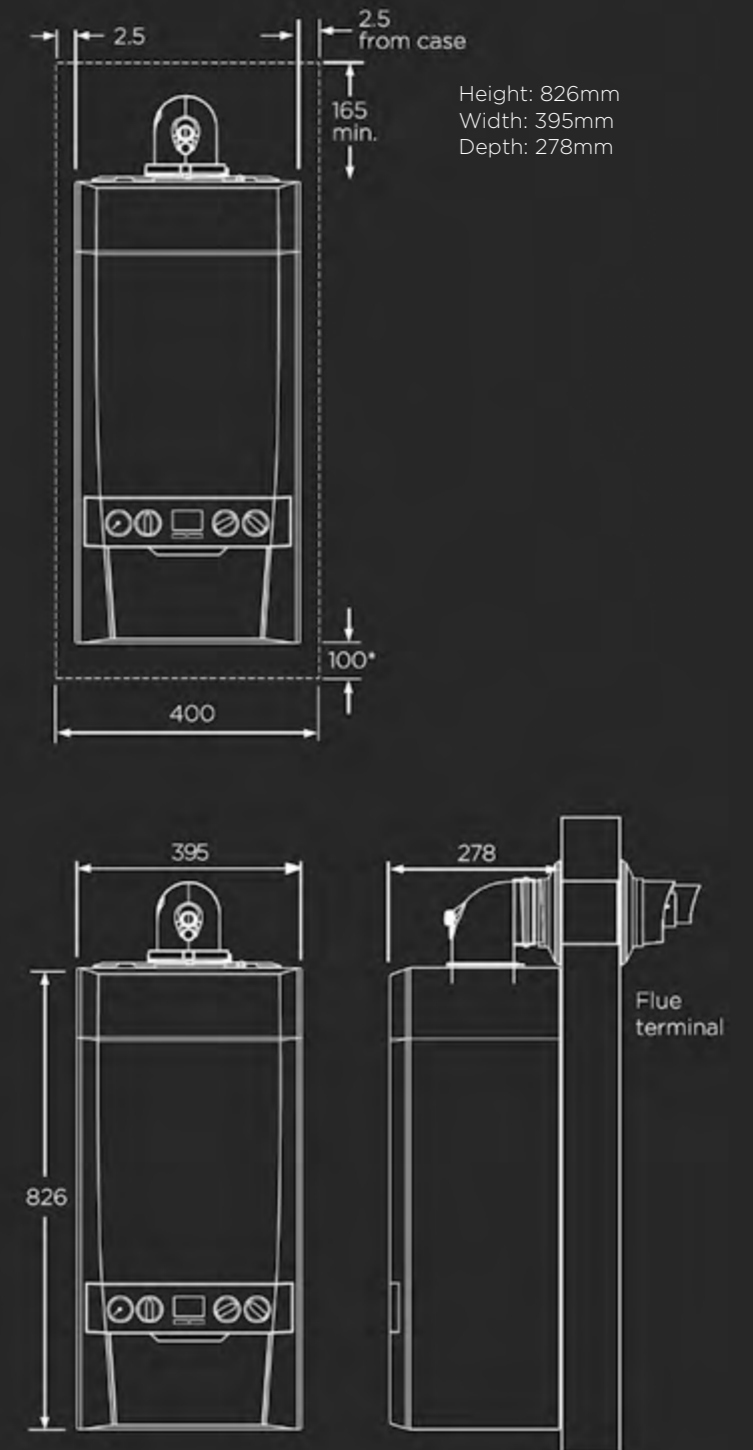
**Note:** The minimum front clearance when built into a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing.

\*Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

\*\*Reduces to 100mm with direct rear flue option.

# Logic

Code Combi ESP1 clearances & dimensions



Height: 826mm  
Width: 395mm  
Depth: 278mm

**Note:** The minimum front clearance when built in to a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing. \*Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

# Logic Combi ESP1 technical specification

		LOGIC COMBI ESP1		
BOILER MODEL		24	30	35
<b>SIZE</b>	Casing dimensions (h w d)(mm)			
	Height	700	700	700
	Width	395	395	395
	Depth	278	278	278
	Weight (packed) kg	33.7	33.8	33.9
	Max installation weight kg	28.9	29.0	29.1
<b>PERFORMANCE</b>	CH output (kW) min/max mean 70°C	4.8 - 24.2	6.1 - 24.2	7.1 - 24.2
	CH output (kW) min/max mean 40°C	5.1 - 25.6	6.4 - 25.6	7.5 - 25.6
	DHW output (kW) max	24.2	30.3	35.3
	DHW flow rate l/min. 35°C rise	9.9	12.4	14.5
	SEDBUK (2005) %	91.1	91.1	91.1
	SEDBUK (2009/2012) %	89.6	89.6	89.6
	NOx classification	CLASS 6	CLASS 6	CLASS 6
	Convert to LPG	No	Yes	Yes
<b>CONSTRUCTION</b>	Heat exchanger material	Cast aluminium- silicon alloy		
	Burner type	Downward firing pre-mix		
	Fully modulating	Yes	Yes	Yes
	DHW plate heat exchanger	Yes	Yes	Yes
	Integrated hydroblock	Yes	Yes	Yes
<b>INSTALLATION</b>	Suitable for sealed systems	Yes	Yes	Yes
	Suitable for open-vent systems	No	No	No
	Filling loop	Yes	Yes	Yes
	Pre-wired mains lead	Yes	Yes	Yes
	Flow regulator	Yes	Yes	Yes
	Inbuilt system bypass	Yes	Yes	Yes
	Inbuilt condensate trap/siphon	Yes	Yes	Yes
	Inbuilt boiler frost protection	Yes	Yes	Yes
	Zero compartment ventilation	Yes	Yes	Yes
<b>CLEARANCES</b>	Top (min. mm) from top of boiler	165	165	165
	Side (mm)	2.5	2.5	2.5
	Bottom (mm)	100*	100*	100*
	Front (mm)	450*	450*	450*
<b>USER INTERFACE</b>	User display	Symbols		
	User interface	3 dials, 2 buttons		
	Diagnostics	Fault diagnosis display		
	User adjustable	Manual heating & hot water controls		
	'Eco' setting on CH	Yes	Yes	Yes
	Inbuilt programmer	Optional	Optional	Optional
<b>PIPES</b>	Pre-piping kit	Optional	Optional	Optional
	Stand off kit	Optional	Optional	Optional
	Stand off kit inc. pipes	Optional	Optional	Optional
	Security bracket kit	Optional	Optional	Optional
	Safety valve drain outlet pipe kit	Optional	Optional	Optional
	Terminal wall plate kit	Optional	Optional	Optional
	Weather compensation kit	Optional	Optional	Optional
<b>FLUES</b>	Max horizontal	9m	8m	6m
	Max vertical	7.5m	7.5m	7.5m
	Powered vertical	22m	22m	22m
	High level flue outlet kit	Optional	Optional	Optional
	Direct rear flue kit (55/80)	No	No	No
<b>CONNECTIONS</b>	Gas supply connection	15mm	15mm	15mm
	CH flow connection	22mm	22mm	22mm
	CH return connection	22mm	22mm	22mm
	Inlet connection - DHW	15mm	15mm	15mm
	Outlet connection - DHW	15mm	15mm	15mm
	Pressure relief valve	15mm	15mm	15mm
	Condensate drain	21.5mm	21.5mm	21.5mm
<b>ErP EFFICIENCIES</b>	Condensing boiler	Yes	Yes	Yes
	Seasonal space heating efficiency class	A	A	A
	Rated heat output kW	24	24	24
	Seasonal space heating energy efficiency $\eta_s$ %	94	94	94
	Sound power level, indoors L <sub>WA</sub> dB	48	46	44
	Water heating energy efficiency class	A	A	A

# Logic Code Combi ESP1 Technical Specification

		LOGIC CODE COMBI ESP1		
BOILER MODEL		26	33	38
<b>SIZE</b>	Casing dimensions (h w d)(mm)			
	Height	826	826	826
	Width	395	395	395
	Depth	278	278	278
	Weight (packed) kg	38.05	38.15	38.35
	Maximum installation weight kg	32.65	32.75	32.95
<b>PERFORMANCE</b>	CH output (kW) min/max mean 70°C	4.8 - 24.2	6.1 - 24.2	7.1 - 24.2
	CH output (kW) min/max mean 40°C	5.1 - 25.6	6.4 - 25.6	7.5 - 25.6
	DHW output (kW) max	26.1	32.7	38.2
	DHW flow rate l/min. 35°C rise	10.7	13.4	15.7
	SEDBUK (2005) %	91.1	91.1	91.1
	SEDBUK (2009/2012) %	89.6	89.6	89.6
	NOx classification	CLASS 6	CLASS 6	CLASS 6
	Convert to LPG	No	Yes	Yes
<b>CONSTRUCTION</b>	Heat exchanger material	Cast aluminium- silicon alloy		
	Burner type	Downward firing pre-mix		
	Fully modulating	Yes	Yes	Yes
	DHW plate heat exchanger	Yes	Yes	Yes
	Integrated hydroblock	Yes	Yes	Yes
<b>INSTALLATION</b>	Suitable for sealed systems	Yes	Yes	Yes
	Suitable for open vent systems	No	No	No
	Filling loop	Yes	Yes	Yes
	Pre-wired mains lead	Yes	Yes	Yes
	Flow regulator	Yes	Yes	Yes
	Inbuilt system bypass	Yes	Yes	Yes
	Inbuilt condensate trap/siphon	Yes	Yes	Yes
	Pump exercise	Yes	Yes	Yes
	Inbuilt boiler frost protection	Yes	Yes	Yes
	Zero compartment ventilation	Yes	Yes	Yes
	Copper tail connections	Yes	Yes	Yes
<b>CLEARANCES</b>	Top (min. mm) from top of boiler	165	165	165
	Side (mm)	2.5	2.5	2.5
	Bottom (mm)	100	100	100
	Front (mm)	450*	450*	450*
<b>USER INTERFACE</b>	User display	Symbols		
	User interface	3 dials, 2 buttons		
	Diagnostics	Fault diagnostic display		
	User adjustable	Manual heating control		
	'Eco' setting on CH	Yes	Yes	Yes
	Inbuilt programmer	Optional	Optional	Optional
<b>PIPES</b>	Pre-piping kit	Optional	Optional	Optional
	Stand off kit	Optional	Optional	Optional
	Stand off kit inc. pipes	Optional	Optional	Optional
	Security fixing kit	Optional	Optional	Optional
	Safety valve drain outlet pipe kit	Optional	Optional	Optional
	Terminal wall plate kit	Optional	Optional	Optional
	Weather compensation kit	Optional	Optional	Optional
<b>FLUES</b>	Max horizontal	9m	8m	6m
	Max vertical	7.5m	7.5m	7.5m
	Powered vertical	22m	22m	22m
	High level flue outlet kit	Optional	Optional	Optional
	Direct rear flue kit (55/80)	No	No	No
<b>CONNECTIONS</b>	Gas supply connection	15mm	15mm	15mm
	CH flow connection	22mm	22mm	22mm
	CH return connection	22mm	22mm	22mm
	Inlet connection - DHW	15mm	15mm	15mm
	Outlet connection - DHW	15mm	15mm	15mm
	Pressure relief valve	15mm	15mm	15mm
	Condensate drain	21.5mm	21.5mm	21.5mm
<b>ErP EFFICIENCIES</b>	Condensing boiler	Yes	Yes	Yes
	Seasonal space heating efficiency class	A	A	A
	Rated heat output kW	24	24	24
	Seasonal space heating energy efficiency $\eta_s$ %	94	94	94
	Sound power level, indoors L <sub>WA</sub> dB	49	47	44
	Water heating energy efficiency class	A	A	A

## Logic Heat technical specification

BOILER MODEL	LOGIC HEAT				
	H12	H15	H18	H24	H30
<b>SIZE</b>	Casing dimensions (h w d)(mm)				
Height	700	700	700	700	700
Width	395	395	395	395	395
Depth	278	278	278	278	278
Weight (packed) kg	26.2	26.2	26.2	26.2	26.2
Maximum installation weight kg	22.7	22.7	22.7	22.7	22.7
<b>PERFORMANCE</b>	CH output (kW) min/max mean 70°C				
CH output (kW) min/max mean 40°C	4.8 - 12.0	4.8 - 15.0	4.8 - 18.0	4.8 - 24.2	6.1 - 30.3
DHW output (kW) max	5.1 - 13.0	5.1 - 15.9	5.1 - 19.1	5.1 - 25.6	6.4 - 31.0
DHW output (kW) max	N/A	N/A	N/A	N/A	N/A
DHW flow rate l/min. 35°C rise	N/A	N/A	N/A	N/A	N/A
SEDBUK (2005) %	N/A	N/A	N/A	N/A	N/A
SEDBUK (2009/2012) %	91.1	91.2	91.1	91.2	91.1
SEDBUK (2009/2012) %	89.4	89.4	89.7	89.7	89.6
NOx classification	CLASS 6	CLASS 6	CLASS 6	CLASS 6	CLASS 6
Convert to LPG	No	No	No	Yes	Yes
<b>CONSTRUCTION</b>	Heat exchanger material				
	Cast aluminium - silicon alloy				
	Burner type				
	Downward firing pre-mix				
Fully modulating	Yes	Yes	Yes	Yes	Yes
DHW plate heat exchanger	N/A	N/A	N/A	N/A	N/A
Integrated hydroblock	N/A	N/A	N/A	N/A	N/A
<b>INSTALLATION</b>	Suitable for sealed systems				
Suitable for open-vent systems	Yes	Yes	Yes	Yes	Yes
Filling loop	No	No	No	No	No
Pre-wired mains lead	No	No	No	No	No
Flow regulator	N/A	N/A	N/A	N/A	N/A
Inbuilt system bypass	No	No	No	No	No
Inbuilt condensate trap/siphon	Yes	Yes	Yes	Yes	Yes
Inbuilt boiler frost protection	Yes	Yes	Yes	Yes	Yes
Zero compartment ventilation	Yes	Yes	Yes	Yes	Yes
<b>CLEARANCES</b>	Top (mm) (from top of boiler)				
	165 (100 rear outlet flue)				
Side (mm)	2.5	2.5	2.5	2.5	2.5
Bottom (mm)	100	100	100	100	100
Front (mm)	450*	450*	450*	450*	450*
<b>USER INTERFACE</b>	User display				
	Symbols				
User interface	2 dials, 2 buttons				
Diagnostics	Fault diagnosis display				
User adjustable	Manual heating control				
'Eco' setting on CH	Yes	Yes	Yes	Yes	Yes
Inbuilt programmer	No	No	No	No	No
<b>PIPES</b>	Pre-piping kit				
Stand off kit	No	No	No	No	No
Stand off kit inc. pipes.	Yes	Yes	Yes	Yes	Yes
Stand off kit inc. pipes.	No	No	No	No	No
Security bracket kit	Optional	Optional	Optional	Optional	Optional
Safety valve drain outlet pipe kit	No	No	No	No	No
Terminal wall plate kit	Optional	Optional	Optional	Optional	Optional
Weather compensation kit	Optional	Optional	Optional	Optional	Optional
<b>FLUES</b>	Max horizontal				
	9m	9m	9m	9m	8m
Max vertical	7.5m*2	7.5m*2	7.5m*2	7.5m*2	7.5m*2
Powered vertical	22m*2	22m*2	22m*2	22m*2	22m*2
High level flue outlet kit	Optional	Optional	Optional	Optional	Optional
Direct rear flue kit (55/80)	Yes	Yes	Yes	Yes	Yes
<b>CONNECTIONS*3</b>	Gas supply connection				
	15mm	15mm	15mm	15mm	15mm
CH flow connection	22mm	22mm	22mm	22mm	22mm
CH return connection	22mm	22mm	22mm	22mm	22mm
Inlet connection - DHW	N/A	N/A	N/A	N/A	N/A
Outlet connection - DHW	N/A	N/A	N/A	N/A	N/A
Pressure relief valve	N/A	N/A	N/A	N/A	N/A
Condensate drain	21.5mm	21.5mm	21.5mm	21.5mm	21.5mm
<b>ErP EFFICIENCIES</b>	Condensing boiler				
	Yes	Yes	Yes	Yes	Yes
Seasonal space heating efficiency class	A	A	A	A	A
Rated heat output kW	12	15	18	24	30
Seasonal space heating energy efficiency ηs %	93.0	93.0	93.0	94.0	93.0
Sound power level, indoors LWA dB	36	38	41	47	49
Water heating energy efficiency class	N/A	N/A	N/A	N/A	N/A

## Logic System technical specification

BOILER MODEL	LOGIC SYSTEM			
	S15	S18	S24	S30
<b>SIZE</b>	Casing dimensions (h w d)(mm)			
Height	700	700	700	700
Width	395	395	395	395
Depth	278	278	278	278
Weight (packed) kg	31.5	31.5	31.5	31.5
Maximum installation weight kg	26.1	26.1	26.1	26.1
<b>PERFORMANCE</b>	CH output (kW) min/max mean 70°C			
CH output (kW) min/max mean 40°C	4.8 - 15.0	4.8 - 18.0	4.8 - 24.2	6.1 - 30.3
DHW output (kW) max	5.1 - 15.9	5.1 - 19.1	5.1 - 25.6	6.4 - 31.0
DHW output (kW) max	N/A	N/A	N/A	N/A
DHW flow rate l/min. 35°C rise	N/A	N/A	N/A	N/A
SEDBUK (2005) %	N/A	N/A	N/A	N/A
SEDBUK (2009/2012) %	91.2	91.1	91.2	91.1
SEDBUK (2009/2012) %	89.4	89.7	89.7	89.6
NOx classification	CLASS 6	CLASS 6	CLASS 6	CLASS 6
Convert to LPG	No	No	No	Yes
<b>CONSTRUCTION</b>	Heat exchanger material			
	Cast aluminium - silicon alloy			
	Burner type			
	Downward firing pre-mix			
Fully modulating	Yes	Yes	Yes	Yes
DHW plate heat exchanger	N/A	N/A	N/A	N/A
Integrated hydroblock	N/A	N/A	N/A	N/A
<b>INSTALLATION</b>	Suitable for sealed systems			
Suitable for open-vent systems	Yes	Yes	Yes	Yes
Filling loop	No	No	No	No
Pre-wired mains lead	No	No	No	No
Flow regulator	N/A	N/A	N/A	N/A
Inbuilt system bypass	Yes	Yes	Yes	Yes
Inbuilt condensate trap/siphon	Yes	Yes	Yes	Yes
Inbuilt boiler frost protection	Yes	Yes	Yes	Yes
Zero compartment ventilation	Yes	Yes	Yes	Yes
<b>CLEARANCES</b>	Top (mm) (from top of boiler)			
	165			
Side (mm)	2.5	2.5	2.5	2.5
Bottom (mm)	100	100	100	100
Front (mm)	450*	450*	450*	450*
<b>USER INTERFACE</b>	User display			
	Symbols			
User interface	2 dials, 2 buttons			
Diagnostics	Fault diagnosis display			
User adjustable	Manual heating control			
'Eco' setting on CH	Yes	Yes	Yes	Yes
Inbuilt programmer	No	No	No	No
<b>PIPES</b>	Pre-piping kit			
Stand off kit	Yes	Yes	Yes	Yes
Stand off kit	Yes	Yes	Yes	Yes
Stand off kit inc. pipes.	Yes	Yes	Yes	Yes
Security bracket kit	Optional	Optional	Optional	Optional
Safety valve drain outlet pipe kit	Optional	Optional	Optional	Optional
Terminal wall plate kit	Optional	Optional	Optional	Optional
Weather compensation kit	Optional	Optional	Optional	Optional
<b>FLUES</b>	Max horizontal			
	9m	9m	9m	8m
Max vertical	7.5m	7.5m	7.5m	7.5m
Powered vertical	22m	22m	22m	22m
High level flue outlet kit	Optional	Optional	Optional	Optional
Direct rear flue kit (55/80)	No	No	No	No
<b>CONNECTIONS*2</b>	Gas supply connection			
	15mm	15mm	15mm	15mm
CH flow connection	22mm	22mm	22mm	22mm
CH return connection	22mm	22mm	22mm	22mm
Inlet connection - DHW	N/A	N/A	N/A	N/A
Outlet connection - DHW	N/A	N/A	N/A	N/A
Pressure relief valve	N/A	N/A	N/A	N/A
Condensate drain	21.5mm	21.5mm	21.5mm	21.5mm
<b>ErP EFFICIENCIES</b>	Condensing boiler			
	Yes	Yes	Yes	Yes
Seasonal space heating efficiency class	A	A	A	A
Rated heat output kW	15	18	24	30
Seasonal space heating energy efficiency ηs %	93	93	94	93
Sound power level, indoors LWA dB	44	46	48	48
Water heating energy efficiency class	N/A	N/A	N/A	N/A

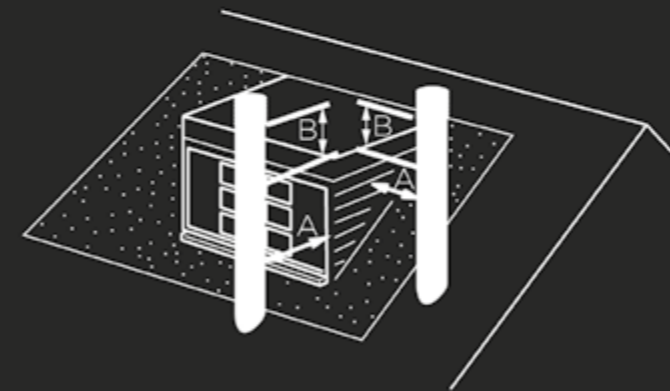
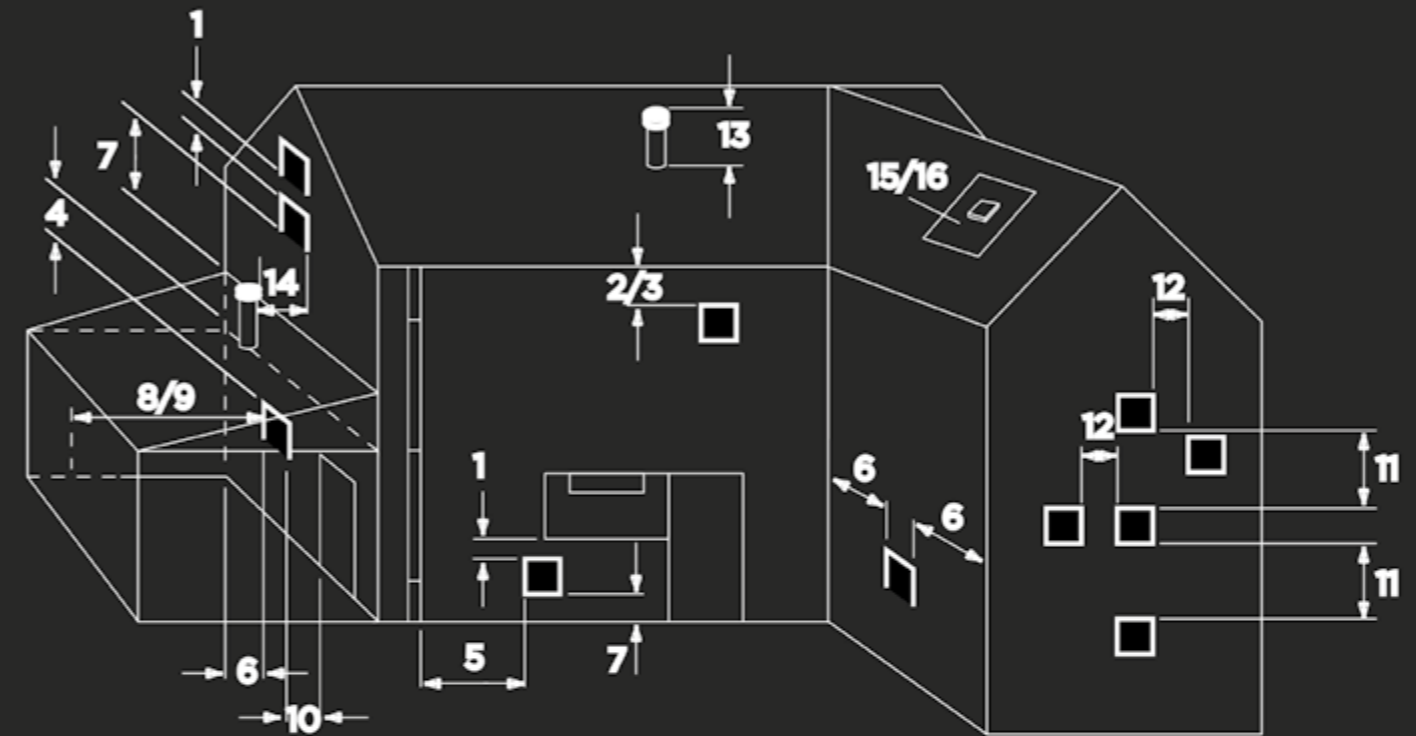
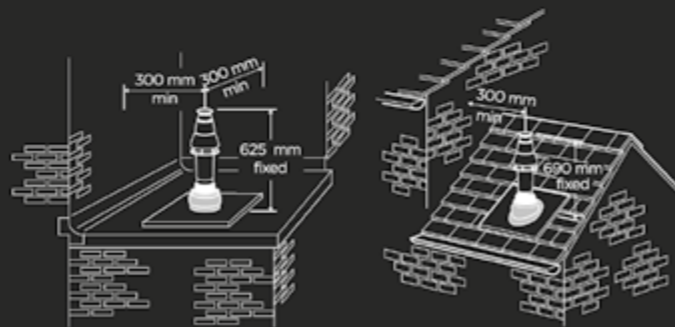
# Flue siting

There are a substantial number of flue options available with the Ideal ranges, giving excellent siting flexibility for almost all applications. The range of options include standard and telescopic flues as well as roof flue and powered vertical flue options. To ensure siting issues are kept to a minimum, High Level Flue Outlet kit options and Flue Deflector kits are available.

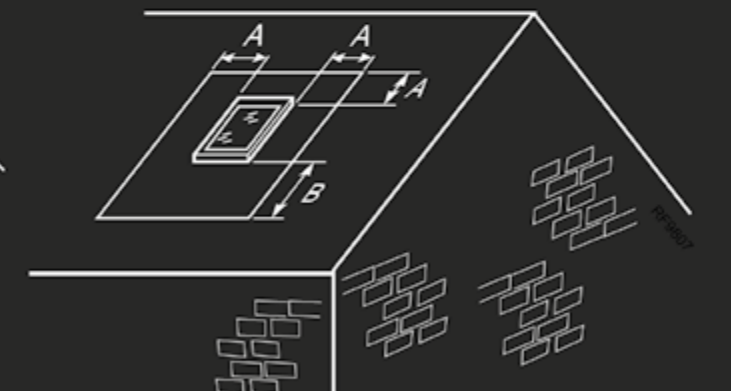
FLUE TERMINAL POSITION	MIN. SPACING
1. Directly below, above or alongside an opening window, air vent or other ventilation opening.	300mm
2. Below guttering, drain pipes or soil pipes BS5440-1	25mm* 75mm
3. Below eaves. BS5440-1	25mm* 200mm
4. Below balconies or car port roof. BS5440-1	25mm* 200mm
5. From vertical drain pipes or soil pipes. BS5440-1	25mm* 150mm
6. From an internal or external corner or to a boundary alongside the terminal. BS5440-1	25mm* 300mm)
7. Above ground, roof or balcony level.	300mm
8. From a surface or a boundary facing a terminal.	600mm
9. From a terminal facing a terminal.	1200mm
10. From an opening in a car port (eg. door or window) into dwelling.	1200mm
11. Vertically from a terminal on the same wall.	1500mm
12. Horizontally from a terminal on the wall.	300mm

VERTICAL FLUES	MIN. SPACING
13. Above the roof pitch with roof slope of all angles. Above flat roof.	300mm 300mm
14. From a single wall face. From corner walls.	300mm 300mm
15. Below velux window.	2000mm
16. Above or side of velux window.	600mm

\* Only one reduction down to 25mm is allowable per installation otherwise BS5440-1 dimensions must be followed.



If chimney penetrates dotted area such that A is less than 300mm, B shall not be less than 300mm.



A = 600mm  
B = 2000mm

The flue terminal shall not penetrate the shaded area of the roof.

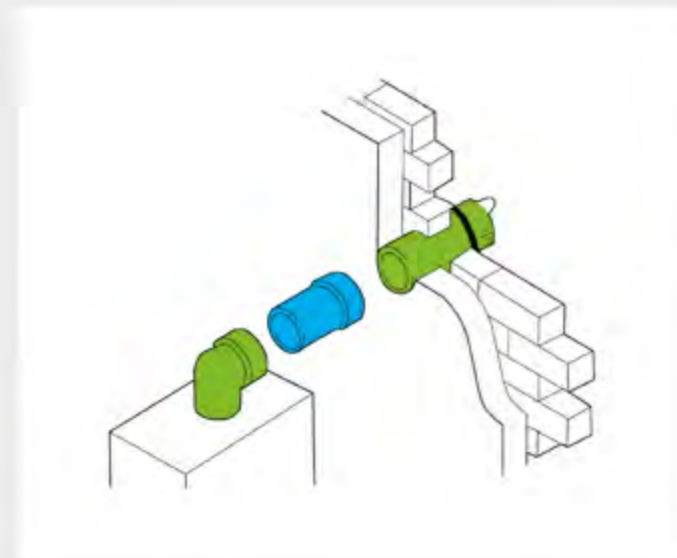
# Flue options

**IMPORTANT.** The boiler must be installed in a vertical position in accordance to the installation instructions.

## FLUE KITS

**Telescopic Flue 'B' Pack** - contains: Flue turret, telescopic flue incorporating a terminal and rubber wall seals.

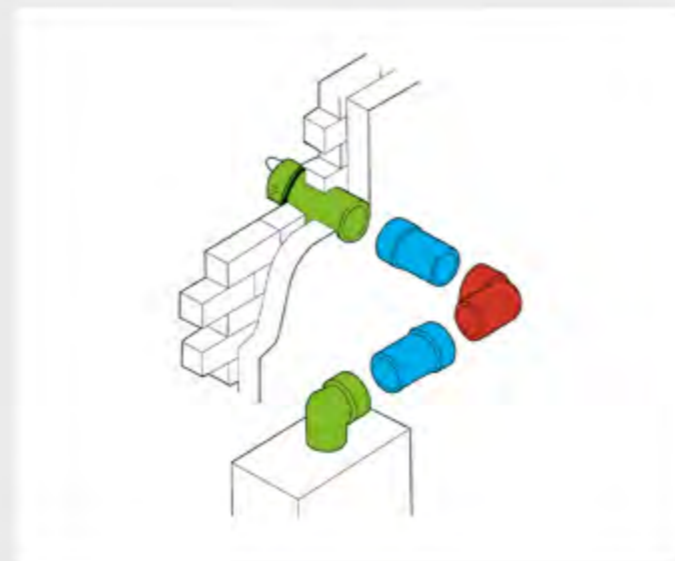
**Horizontal Flue Terminal (600mm long) 'B' Pack** - contains: Flue turret, non telescopic single piece flue incorporating a terminal and rubber wall seals.



## HORIZONTAL CONCENTRIC 100mm DIAMETER

FLUE	PART NO.
Horizontal flue terminal (0.6m long)	208171
Flue extension 1m (pack D)	203129

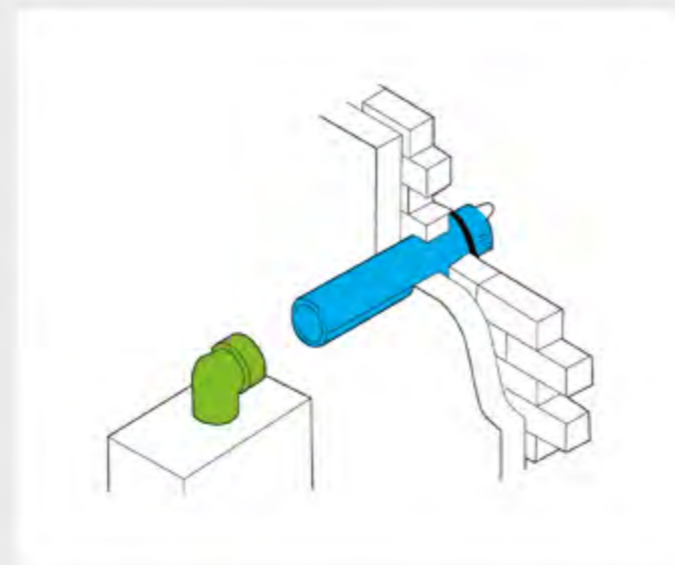
ALTERNATIVE FLUE TERMINALS	PART NO.
Horizontal flue terminal (1m long)	217442
Telescopic B pack flue (0.6m long)	208169
Telescopic horizontal flue terminal (1m long)	208174



## HORIZONTAL FLUE WITH 1 X 90° ELBOW

FLUE	PART NO.
Horizontal flue terminal (0.6m long)	208171
Flue extension 1m (pack D)	203129
Flue 90° elbow kit (60/100)	203130

**NOTE:** Please refer to the installation and service manual for assistance in calculating flue lengths. Adequate support must be provided for the flue in accordance with the installation instructions.

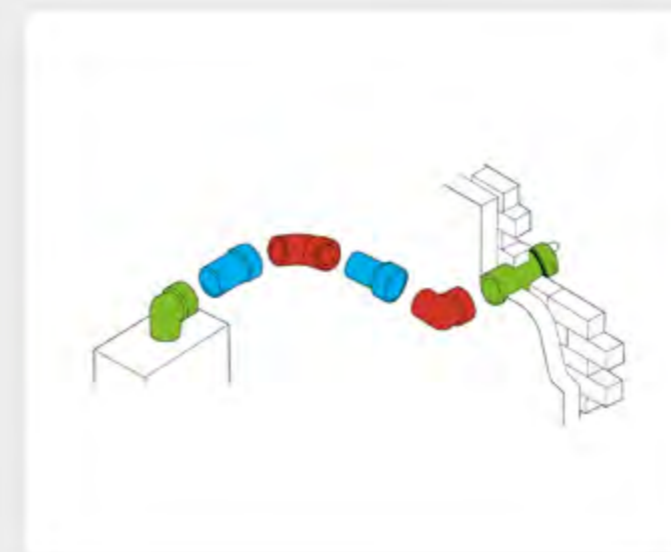


## HORIZONTAL CONCENTRIC 100mm DIAMETER

FLUE	PART NO.
Horizontal flue terminal (1m long)	5022142174420

# Flue options

**Telescopic Horizontal Flue Terminal (1000mm long) 'B' Pack** - contains: Flue turret, telescopic flue incorporating a terminal, rubber wall seals and instructions.

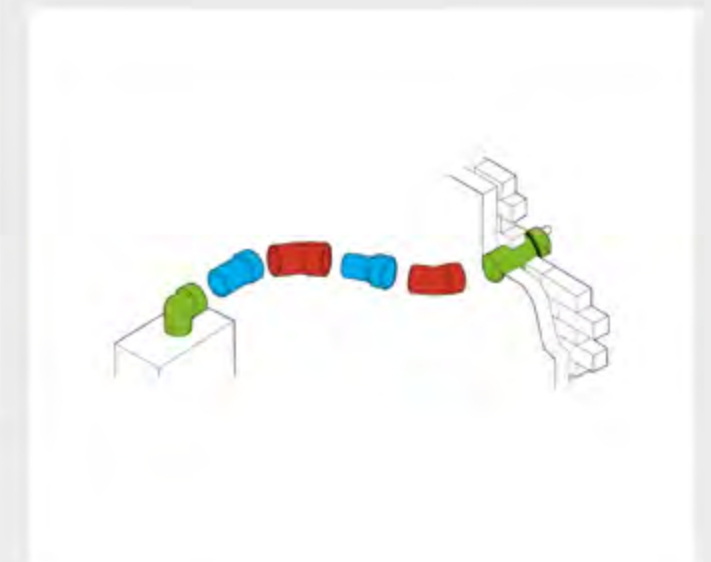


## HORIZONTAL FLUE WITH 2 X 90° ELBOW

FLUE	PART NO.
Horizontal flue terminal (0.6m long)	208171
Flue extension 1m (pack D)	203129
Flue 90° elbow kit (60/100)	203130

**Horizontal Flue Terminal (1000mm long) 'B' Pack** - contains: Flue turret, non telescopic single piece flue incorporating a terminal and rubber wall seals.

The flue system incorporates a removable flue outlet nose that utilises a push fit location system. This enables the installation of a Deflector, High level or Balcony flue kit without the removal of the whole 'B' pack terminal.

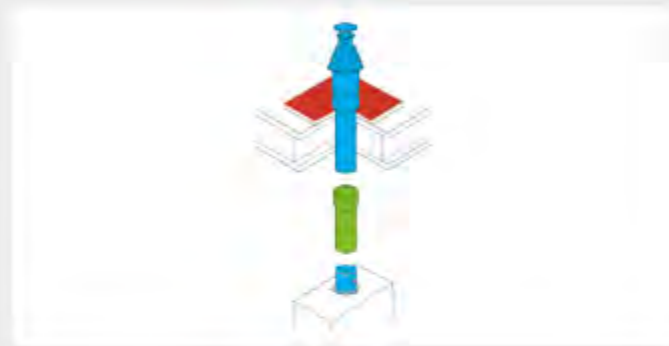


## HORIZONTAL FLUE WITH 2 X 45° ELBOW

FLUE	PART NO.
Horizontal flue terminal (0.6m long)	208171
Flue extension 1m (pack D)	203129
Flue elbow 45° kit (60/100)	203131

**NOTE:** Please refer to the installation and service manual for assistance in calculating flue lengths. Adequate support must be provided for the flue in accordance with the installation instructions.

# Flue options



## ROOF FLUE SYSTEM

FLUE	PART NO.
Roof flue kit (with vertical connector)	211039
Flue extension 1m (pack D)	203129
Universal weather collar (suits any roof pitch)	152258
Flat roof weather collar	152259



## ROOF FLUE SYSTEM WITH 2 X 45° ELBOW

FLUE	PART NO.
Roof flue kit (with vertical connector)	211039
Flue extension 1m (pack D)	203129
Flue elbow 45° kit (60/100)	203131
Universal weather collar (suits any roof pitch)	152258
Flat roof weather collar	152259



## POWERED VERTICAL FLUE SYSTEM













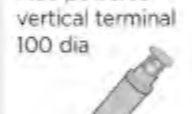
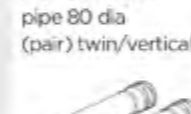
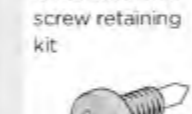



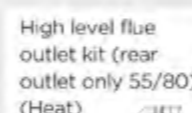
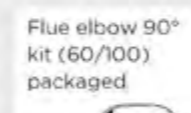

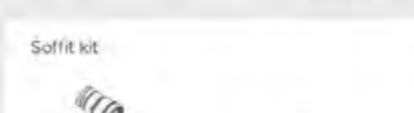
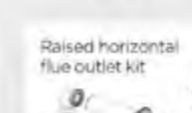

FLUE	PART NO.
Vertical powered flue kit	203136
Flue vertical connector	208175
Flue powered vertical terminal	203134
Universal weather collar (suits any roof pitch)	152258
Flat roof weather collar	152259
Extension pack D	203129
Flue extension pipe 80 dia (pair) <sup>†</sup>	203142

**NOTE:** Allows the boiler to be sited in a position where no access to an outside wall is available. Permits the concentric flue to run vertically from the top of the boiler and obtain air supply within the roof space, the secondary flue continuing to the external flue terminal. Offset applications are permissible though the maximum length is reduced. Where extension D packs are cut to length, the flared end connector must be retained.

<sup>†</sup> Secondary Flue extension pipes are available in 0.5, 1 and 2m lengths.

**NOTE:** Please refer to the installation and service manual for assistance in calculating flue lengths. Adequate support must be provided for the flue in accordance with the installation instructions.

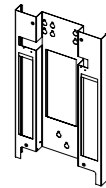
# Flue accessories

<b>Telescopic B pack flue (0.6m long)</b>  Ideal part no. 208169	<b>Horizontal flue terminal (0.6m long)</b>  Ideal part no. 208171	<b>Telescopic horizontal flue terminal (1m long)</b>  Ideal part no. 208174	<b>Horizontal flue terminal (1m long)</b>  Ideal part no. 217442	<b>Flue extension 0.5m, 1m or 2m (Pack D)</b>  Ideal part no. 0.5m 211037 1m 203129 2m 211038	<b>Flue Bracket Kit</b>  Ideal part no. 205247
<b>Flue deflector 60 dia</b>  Ideal part no. 208176	<b>Flue elbow 45° kit (60/100) packaged (pair)</b>  Ideal part no. 203131	<b>Roof flue kit inc. vertical connector</b>  Ideal part no. 211039	<b>Flue vertical connector</b>  Ideal part no. 208175	<b>Weather collar (universal) 100 dia</b>  Ideal part no. 152258	<b>Weather collar (flat roof) 100 dia</b>  Ideal part no. 152259
<b>Flue powered vertical terminal 100 dia</b>  Ideal part no. 203134	<b>Flue extension pipe 80 dia (pair) twin/vertical</b>  Ideal part no. 203142	<b>Concentric flue screw retaining kit</b>  Ideal part no. 205024	<b>Flue finishing kit</b>  Ideal part no. 155988 (55/80) 206151	<b>Terminal wall plate</b>  Ideal part no. 211328 (System) 206164 (Heat)	<b>Rear outlet flue (55/80) (Heat)</b>  Ideal part no. 205990
<b>High level flue outlet kit (rear outlet only 55/80) (Heat)</b>  Ideal part no. 205989	<b>Flue elbow 90° kit (60/100) packaged</b>  Ideal part no. 203130	<b>Vertical Powered flue kit</b>  Ideal part no. 203136			
<b>Soffit kit</b>  Ideal part no. 211302	<b>Raised horizontal flue outlet kit</b>  Ideal part no. 208290	<b>Balcony flue outlet kit</b>  Ideal part no. 208177	<p><b>NOTE:</b> A 1 metre vertical pipe is supplied as standard. Both horizontal and vertical lengths can be extended using extension pack D. Refer to installation instructions for maximum lengths.</p>		



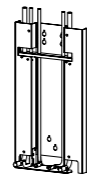
# Installation Accessories

Stand off kit



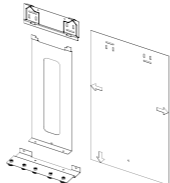
PART NO.	COMBI	HEAT	SYSTEM
211103	✓	✗	✓
206153	✗	✓	✗

Stand off kit (inc. piping)



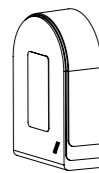
PART NO.	COMBI	HEAT	SYSTEM
211101	✓	✗	✗
211330	✗	✗	✓

Pre-piping kit



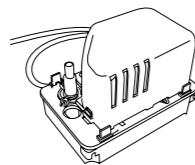
PART NO.	COMBI	HEAT	SYSTEM
211041	✓	✗	✗
211331	✗	✗	✓

Weather compensation kit



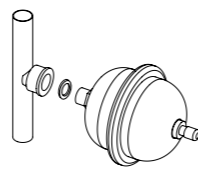
PART NO.	COMBI	HEAT	SYSTEM
216119	✓	✓	✓

Condensate pump kit



PART NO.	COMBI	HEAT	SYSTEM
159991	✓	✓	✓

DHW expansion vessel kit



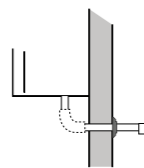
PART NO.	COMBI	HEAT	SYSTEM
205419	✓	✗	✗

Secondary pressure boiler valve kit



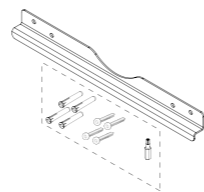
PART NO.	COMBI	HEAT	SYSTEM
204565	✓	✗	✓

Safety valve drain outlet pipe kit



PART NO.	COMBI	HEAT	SYSTEM
205126	✓	✗	✓

Security bracket kit



PART NO.	COMBI	HEAT	SYSTEM
205217	✓	✓	✓

# Accessories flue outlet kit

These easy to install kits allow the boiler flue outlet to be extended external to the building, upwards to provide a flue exit at high level, overcoming problems associated with plume emission. The kit is simple to retrofit if necessary.

An external 60mm diameter flue leads from the boiler terminal (which includes a 90° elbow at the flue exit) to terminate with a 90° elbow complete with grille. Push fit 1m extension pipes are used as required, and the fixing clips supplied support the system from the wall. Both 90° and 45° elbows are available to provide routing options.



**The kit comprises:**

- Flue elbow - 1 off
- 60mm flue exit elbow - 1 off
- 60mm horizontal flue exit - 1 off
- 60mm x 500mm flue outlet
- Extension pipe - 1 off

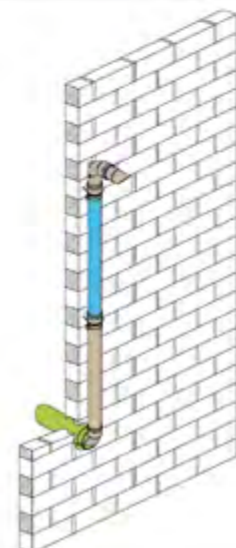
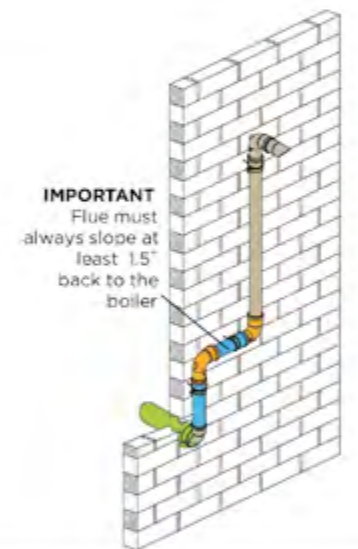
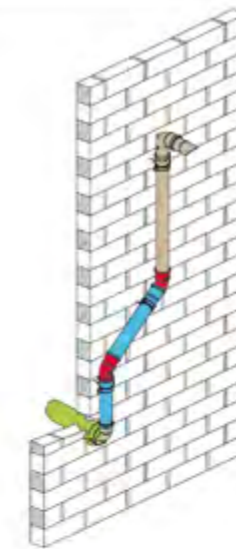
This kit is specified for use with the normal standard B pack.

The standard terminal nose is replaced with the high level terminal.

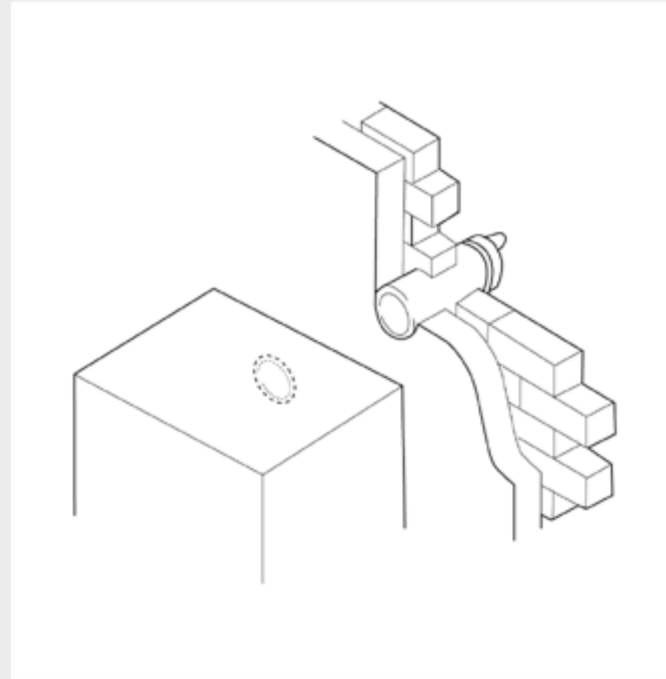
FLUE	IDEAL PART NO.
Horizontal flue terminal (0.6m long)	208171
High level flue outlet kit	208178
Flue extension kit 60 dia (1m) - for high level flue outlet kit	203228
High level 90° elbow	203229
High level 45° elbow	203230

Diagram representative only

**NOTE:** Please refer to the installation and service manual for assistance in calculating flue lengths. Adequate support must be provided for the flue in accordance with the installation instructions. If additional elbows to those supplied in the High Level Flue Outlet kit are used, deduct the following resistances (metres) from the maximum boiler flue length.



## Flueing options Logic Heat



### REAR OUTLET FLUE TERMINAL (55/80) - 80MM

FLUE	PART NO.
Rear outlet flue outlet kit (55/80)	205990

**NOTE:**  
Length is wall thickness. Minimum wall thickness permissible is 115mm.  
No extensions are permitted.

FLUEING ACCESSORIES	PART NO.
Rear outlet flue terminal (55/80)	205990
Flue finishing kit (55/80)	206151

LOGIC HEAT ONLY	PART NO.
High level outlet kit (55/80)	205989

For 1m extension and elbows use standard parts 203228/9 & 30

**NOTE:** Please refer to the installation and service manual for assistance in calculating flue lengths.

## Logic flueing options & accessories

CODE COMBI ESP1, COMBI ESP1 & SYSTEM	CODE	HEAT	CODE
Horizontal flue terminal (0.6m long)	208171	Horizontal flue terminal (0.6m long)	208171
Horizontal flue terminal (1m long)	217442	Telescopic B pack flue (0.6m long)	208169
Telescopic B pack flue (0.6m long)	208169	Telescopic horizontal flue (1m long)	208174
Telescopic horizontal flue terminal (1m long)	208174	Raised horizontal flue inc vertical flue adaptor and 1m extension	208290
Raised horizontal flue inc vertical flue adaptor and 1m extension	208290	0.5m flue extension (Pack D)	211037
0.5m flue extension (Pack D)	211037	1m flue extension (Pack D)	203129
1m flue extension (Pack D)	203129	2m flue extension (Pack D)	211038
2m flue extension (Pack D)	211038	Soffit kit	211302
Soffit kit	211302	Rear outlet flue (55/80 dia)	205990
Flue 90° flue elbow kit (60/100) packaged	203130	Flue 90° flue elbow kit (60/100) packaged	203130
Flue 45° flue elbow kit (60/100) packaged (pair)	203131	Flue 45° flue elbow kit (60/100) packaged (pair)	203131
High level flue outlet kit	208178	High level flue outlet kit	208178
Flue extension kit 60 dia (1m) - for high level flue outlet kit	203228	High level flue outlet kit (for rear flue only 55/80 dia)	205989
High level 90° elbow	203229	Flue extension kit 60 dia (1m) - for high level flue outlet kit	203228
High level 45° elbow (pair)	203230	High level 90° elbow	203229
Roof flue kit (includes vertical flue connector)	211039	High level 45° elbow (pair)	203230
Weather collar (universal) 100 dia	152258	Roof flue kit (includes vertical flue connector)	211039
Weather collar (flat roof) 100 dia	152259	Weather collar (universal) 100 dia	152258
Flue deflector 60 dia. Clips on end of flue and angles plumbing away	208176	Weather collar (flat roof) 100 dia	152259
Terminal wall plate RS replacement kit (Combi/System)	211328	Flue deflector 60 dia. Clips on end of flue and angles plumbing away	208176
Condensate Pump kit	159991	Stand off kit	206153
Stand off kit (Combi ESP1 & System)	211103	Weather compensation kit	216119
Stand off kit inc piping (Combi ESP1)	211101	LPG conversion Logic Heat H24	215741
Stand off kit inc piping (System)	211330	LPG conversion Logic Heat H30	215742
Stand off kit (Code Combi ESP1)	211335	Terminal wall plate RS replacement kit (Heat)	206164
Stand off kit inc piping (Code Combi ESP1)	211333	Condensate Pump kit	159991
Weather compensation kit	216119		
LPG conversion Logic Combi ESP1 30	216423		
LPG conversion Logic Combi ESP1 35	215752		
LPG conversion Logic Code Combi ESP1 33	215753		
LPG conversion Logic Code Combi ESP1 38	215754		
LPG conversion Logic System S24IE	215747		
LPG conversion Logic System S30IE	215748		
LPG conversion Logic System S30	215746		
Balcony flue outlet kit	208177		