

CREATING RELIABLE  
PARTNERSHIPS  
FOR SOCIAL HOUSING.



# WELCOME TO FIRST CLASS.

OUR AWARD WINNING BOILERS GO THROUGH 200 QUALITY CHECKS BEFORE THEY LEAVE THE FACTORY, AND ARE AVAILABLE WITH A RANGE OF FLEXIBLE WARRANTY OPTIONS. YOU CAN REST ASSURED RELIABILITY IS GUARANTEED WHEN YOU PARTNER WITH IDEAL.



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## IDEAL BOILERS.

At Ideal Boilers, we have over 100 years of manufacturing experience, and pride ourselves on offering a wide range of domestic and commercial heating products designed specifically with the UK market in mind.

Working with Ideal means you get quality and reliability as standard; our Logic range of boilers holds the Queen's Award for Enterprise as well as the Good Housekeeping reader recommended status.



# THE IDEAL PRODUCT RANGE.

Representing the next generation in heating design, the Logic range of boilers offers state-of-the-art technology in a practical, compact unit that fits easily into any standard kitchen cupboard. Available in a range of outputs, the Logic range comes complete with a flexible parts and labour warranty package.

## **LOGIC COMBI**

Designed to be installed with minimal fuss.

## **LOGIC SYSTEM**

A simple and reliable solution for a wide variety of sealed domestic systems.

## **LOGIC HEAT**

Highly efficient and easy to operate, thanks to straightforward controls featuring a clear digital display.

## **LOGIC CODE COMBI ESP1**

A simple one box solution, capable of supporting up to level 4 of the Code for Sustainable Homes with built in flue gas heat recovery.

## **LOGIC COMBI ESP1**

A high efficiency combination boiler with a competitive SAP efficiency score, particularly beneficial for new build properties.



# CORPORATE SOCIAL RESPONSIBILITY.

At Ideal we recognise the importance of being an organisation that takes our corporate, social and environmental responsibilities seriously for the benefit of all, including customers, employees, local communities and the environment.

## IDEAL ENVIRONMENT

At Ideal, conservation of the environment is a priority for us. Our heating solutions are designed to have as little impact on the environment as possible and are 100% recyclable. **Ideal has maintained certification for the ISO 14001 Environmental Management System Standard since 2004.** This demonstrates our ongoing commitment to continually improving our environmental performance.

As an organisation, there is no waste that we create in our manufacturing process or product that cannot be recycled or reused. **We are committed to zero landfill.**

## IDEAL COMMUNITY

At Ideal we encourage dialogue with local communities for mutual benefit. We support and encourage our employees to help local community organisations and activities in our area along with charitable organisations on a national basis.

We also support young people in the local community. We are particularly proud of our commitment to our apprenticeship programme. **We offer 4 to 5 year apprenticeships in a wide range of engineering disciplines.** These apprentices form an important part in our succession planning strategy in these specialist fields.

Ideal work closely with local primary and secondary schools to develop and support curriculum activities and to promote engineering as a career.



### **IDEAL CUSTOMERS**

Our customers can be assured that at ideal we uphold our values of integrity, partnership and fairness in our relationships with all of our stakeholders.

### **IDEAL EMPLOYEES**

**Ideal has been an accredited Investor in People for over 17 years.**

We are proud of this achievement as it demonstrates our ongoing commitment to people and continuous business improvement. We believe that every employee needs to understand how their output contributes to the customer and product journey. The alignment of individual output to business goals lies at the heart of our goal deployment and personal development processes.

**We provide and maintain a clean, healthy and safe working environment and manage risk through our safety management system which is OHSMS 18001 accredited.**

### **OUR CORPORATE SOCIAL RESPONSIBILITY PROGRAMME**

Ideal Boilers will work in partnership with you to personalise a CSR package to meet your requirements. Whether it's training opportunities, tenant energy awareness sessions, or sponsorship of a community project, Ideal Boilers are on hand to support you. Every time you install an Ideal boiler we will award you with CSR credits which can be redeemed against projects, items or man hours to the same value.

### **CONTACT US TODAY TO SEE WHAT WE CAN DO FOR YOU**

T: 01482 492251

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

# CUSTOMER SERVICE.

At Ideal Boilers, we are committed to delivering the highest level of customer service. With more than 100 years' experience in the heating industry, we know how important confidence and trust are to our customers.

## **WITHIN OUR CALL CENTRE**

All customer calls will be answered by trained members of staff who will take ownership of the call. Trained staff will assist with enquiries or help diagnose and resolve faults over the telephone. If a resolution is not reached over the phone, an engineer visit will be arranged.

## **OUR ENGINEERS**

All of Ideal Boilers' engineers are trained to the highest possible standard, including being Gas Safe Registered.

## **ENGINEER VISITS**

In the event of an engineer being required, we endeavour to make all visits within one day of receiving a call for boilers. On the day of the scheduled visit, the appointed engineer will telephone between 8am and 9am to confirm the time of their arrival.

## **TOTAL PEACE OF MIND**

Following an engineer's visit, we will make contact and explain any actions that have been taken or any further work that needs to be done. All letters and emails will be replied to within five working days.

## **AFTER SALES SUPPORT**

With a range of tools to help you grow your business, Ideal is on hand to ensure you have the support you need.

Our dedicated customer service department is available 364 days a year.

- **Installer helpline** 01482 498663
- **Homeowner helpline** 01482 498660
- **Technical customer service** 01482 498663

We also have a team of expert engineers, fully trained to exacting standards and Gas Safe registered, on hand to provide one-to-one advice on the road, over the phone or online ensuring you're fully supported, wherever and whenever you need.





# THE IDEAL PACKAGE.

Our new build development package for social housing combines design, energy certification and our high efficiency boilers and radiators as one solution, providing you with the most effective solution to meet Building Regulations Compliance.

Our in-house design teams are based at Ideal Centres of Excellence in Leeds and Hull. Once the team have found the right products for your development, designed your system and achieved SAP ratings a full plan will be provided, which will include:

- Full schedule of equipment (boilers, radiators & ancillary components required)
- Detailed layout drawings showing boiler and radiator positions
- Pipe runs and their required sizes for both the heating and domestic water services
- A typical diagrammatic sketch of the arrangement between the boiler and cylinder cupboard
- A comprehensive general specification
- A complete system guarantee
- £2 million of professional indemnity insurance and collateral warranties are available upon request subject to agreement



IDEAL  
BOILER



STELRAD  
RADIATOR



CYLINDER



SOLAR  
PANEL



FREE DESIGN  
STAGE SAP



DESIGN  
SERVICE



364 DAYS  
A YEAR



## SAP SOLUTIONS.

Partnered with Ideal, our SAP Solution consultants Briary Energy can offer you a complete value-engineered solution to meet Building Regulations Compliance.

Our aim is to give you the most cost effective solution for your build, including building fabric, U-value calculations, thermal bridging, ventilation, heating and renewables.

As part of the Ideal Package, we will keep you up to date with the latest legislation helping to keep you ahead of the game. We can even promise any question will be answered within 24 hours.

Our technical customer service team is also available 364 days a year to offer any advice and support on queries once your development is complete.

TO CONTACT TECHNICAL  
CUSTOMER SERVICES  
CALL: 01482 498663



# ENERGY STATEMENTS.

The Code for Sustainable Homes (CfSH) allowed councils to adopt their own sustainability levels as a planning requirement for new build developments, with CfSH levels 3, 4, 5 or 6 as potential planning conditions. Energy efficiency was not the only factor in the conditions but it did allow the authority to ask for a higher reduction than the building standards.

The government has withdrawn CfSH but planning authorities can require Energy Statements. Planning Authorities should no longer require CfSH as a planning condition for new approvals, although any existing contractual agreements can still be certified against the Code.

From the date of the Deregulation Bill 2015, the government's policy is that planning permissions should not be granted requiring, or subject to conditions requiring, compliance with any technical housing standards. The exception is those areas where authorities have existing policies on access, internal space, or water efficiency.

Planning permission may still be granted on the basis of existing Local Plan and neighbourhood plan policies on access, internal space, and water efficiency, even though they may have a degree of conflict with the new national technical standards.

Where there is an existing plan policy which references the Code for Sustainable Homes, authorities may continue to apply a requirement for

a water efficiency standard equivalent to the new national technical standard, or in the case of energy a standard consistent with the policy set out in the earlier paragraph in this statement, concerning energy performance.

Planning Authorities are unable to ask for an energy standard higher than 19% better than the current 2013 building regulations, (equivalent to CfSH Code 4). However, existing renewable and low carbon policies can still be applied. In this instance an energy statement is required to prove the renewable or low carbon requirement has been met through design. Ideal Boilers, together with our partners Briary Energy, are able to provide this service, to resolve planning conditions of this nature.

# LOGIC COMBI.

C24 C30 C35

## HIGH EFFICIENCY COMBINATION BOILERS.

### KEY FEATURES

- Easy to see pressure gauge
- Large backlit display with user friendly controls
- Low lift weight (starting from 28.9kg)
- Low component count maximising reliability
- Pre-heat function
- 75mm deep translucent condensate siphon
- Fully modulating operation to low outputs
- Automatic bypass
- Four optional language user instructions\*
- Visually impaired user fascia option

### RELIABLE

- Energy Saving Trust endorsed
- Flexible warranty
- Boiler frost protection
- Built-in, easy to use filling loop
- Simple diverter valve design
- Two stage flame sensing for greater reliability
- Latest generation Honeywell gas valve

### EASY TO INSTALL

- Compact cupboard fit
- Fast fix flues
- Wide range of additional flueing options
- Easy access to PRV and AAV
- Preformed copper tails
- Pre-wired mains lead (2m)
- Universal condensate connection
- Stand off kit including piping option
- Compatible with a range of additional controls inc. weather compensation
- LPG conversion kit available for 24 kW & 30 kW boilers



Compact



LPG  
Conversion Kit\*\*



Frost  
Protection



Flue  
Variants



NOx  
Class 5

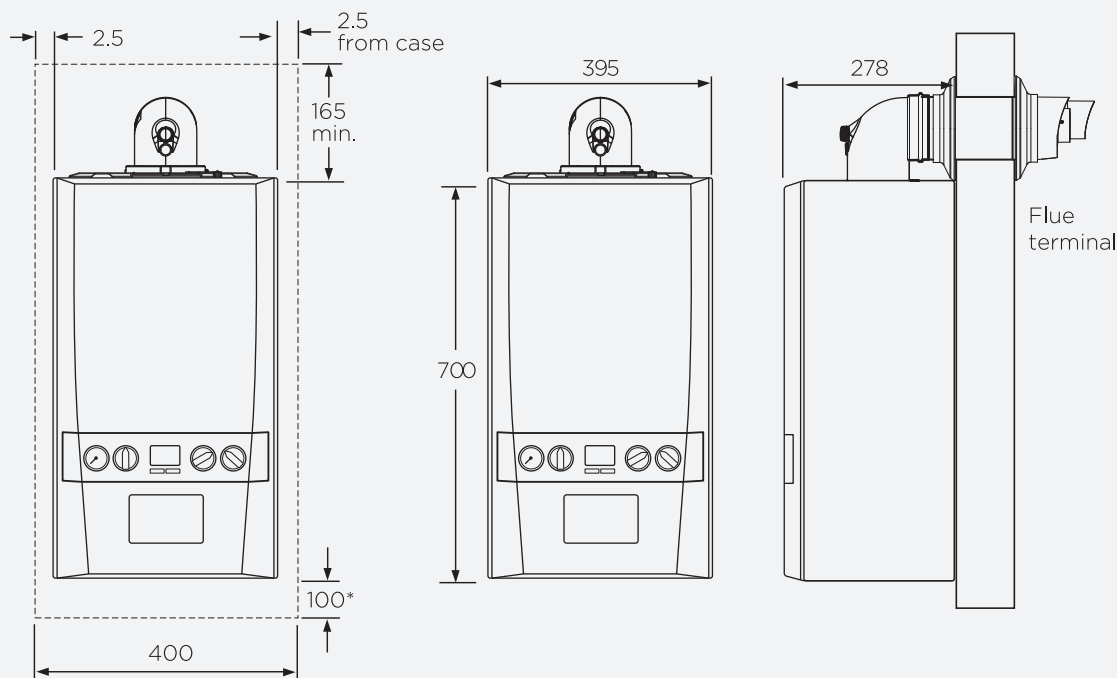


\* Available to download from [www.idealboilers.com](http://www.idealboilers.com)  
\*\* Available with 24 & 30 kW models.

# CLEARANCES & DIMENSIONS.

Height: 700mm  
Width: 395mm  
Depth: 278mm

DIMENSIONS IN MM



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.

# TECHNICAL SPECIFICATIONS.

BOILER MODEL	C24	C30	C35
Weight (packaged) kg	33.7	33.8	33.9
Max installation weight kg	28.9	29.0	29.1
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 rating (2005) %	91.1	91.1	91.1
SEDBUK rating (2009/2012) %	89.6	89.6	89.6
NOx classification	CLASS 5	CLASS 5	CLASS 5
Convert to LPG	Yes	Yes	No
Max horizontal flue*	9m	8m	6m
Max vertical flue*	7.5m	7.5m	7.5m
Powered vertical flue†	22m	22m	22m
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

Available Flue Extensions 0.5m, 1m and 2m. Multiple flue kits available.

\* Each 90° elbow used is at the expense of 1000mm of straight flue run, and each 45° elbow is used at the expense of 600mm of straight flue run.

† Typical combined primary and secondary length. See installation instructions for more details. Note: The Flue Deflector Kit is used at the expense of 1000mm of straight flue run.

# LOGIC SYSTEM.

S15 S18 S24 S30

## HIGH EFFICIENCY SYSTEM BOILERS.

### KEY FEATURES

- Easy to see pressure gauge
- Large backlit display with user friendly controls
- Low lift weight (26.1kg)<sup>†</sup>
- Low component count maximising reliability
- Fully modulating operation down to 4.8 kW<sup>\*</sup>
- Weather compensation kit option

### RELIABLE

- Energy Saving Trust endorsed
- Flexible warranty
- Boiler frost protection
- Built-in condensate trap
- Latest generation Honeywell gas valve
- Two stage flame sensing for better reliability

### EASY TO INSTALL

- Compact cupboard fit
- Wide range of flueing options
- Concealed pipe connections
- Preformed copper tails
- LPG Conversion kit available<sup>\*\*</sup>
- Stand off kit and pre-pipe options
- Pre-wired mains lead
- Easy Access to PRV and AAV
- Universal condensate connection



Compact



LPG Conversion Kit<sup>\*\*</sup>



Frost Protection



Flue Variants



NOx Class 5



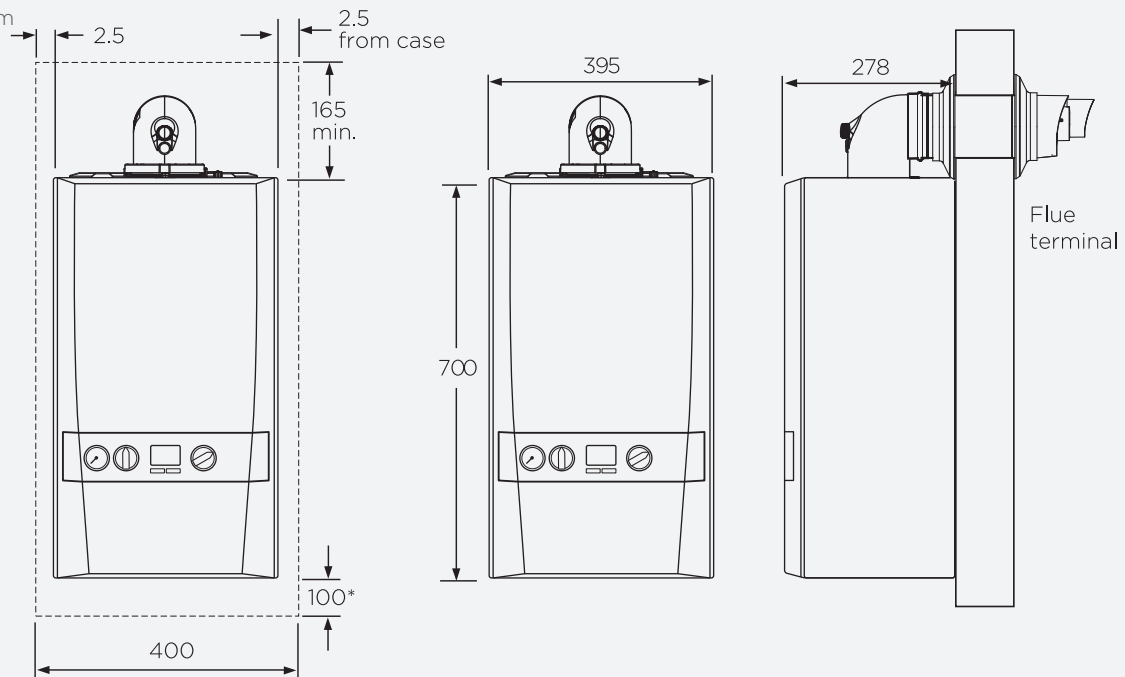
<sup>†</sup> Weight with front panel removed. <sup>\*</sup> (30 kW only - 61 kW).  
<sup>\*\*</sup> Available with S30, S24IE & S30IE models.



# CLEARANCES & DIMENSIONS.

Height: 700mm  
Width: 395mm  
Depth: 278mm

DIMENSIONS IN MM



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.

# TECHNICAL SPECIFICATIONS.

BOILER MODEL	S15	S18	S24	S30
Weight (packaged) kg	31.5	31.5	31.5	31.5
Max installation weight kg	26.1	26.1	26.1	26.1
CH output (kW) min/max mean 70°C	4.8 - 15.0	4.8 - 18.0	4.8 - 24.2	6.1 - 30.3
CH output (kW) min/max mean 40°C	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 rating (2005) %	91.2	91.1	91.2	91.1
SEDBUK rating (2009/2012) %	89.4	89.7	89.7	89.6
NOx classification	CLASS 5	CLASS 5	CLASS 5	CLASS 5
Convert to LPG	No	No	No	Yes
Max horizontal flue	9m	9m	9m	8m
Max vertical flue	7.5m	7.5m	7.5m	7.5m
Powered vertical flue	22m	22m	22m	22m
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 $\eta_s$ %	93	93	94	93
Sound power level, indoors L <sub>WA</sub> dB	44	46	48	48
Water heating energy efficiency class	n/a	n/a	n/a	n/a

Multiple flue kits available.

# LOGIC HEAT.

H12 H15 H18 H24 H30

HIGH EFFICIENCY HEAT BOILERS.

## KEY FEATURES

- Large backlit display with user friendly controls
- Low lift weight (22.7kg)<sup>†</sup>
- Low component count maximising reliability
- Fully modulating operation down to 4.8 kW\*
- Weather compensation kit option
- Water flow sensor
- Four optional language user instructions<sup>††</sup>

## RELIABLE

- Energy Saving Trust endorsed
- Flexible warranty
- Boiler frost protection
- Two stage flame sensing for greater reliability
- Latest generation Honeywell gas valve

## EASY TO INSTALL

- Compact cupboard fit
- Direct 80mm diameter rear flue option
- Wide range of flueing options
- Top system connections
- 75mm deep translucent condensate siphon
- Stand off kit
- Terminal wall plate kit
- Security bracket kit
- Low minimum head requirement
- LPG conversion kit available for 24 kW & 30 kW boilers



Compact



LPG Conversion Kit<sup>††</sup>



Frost Protection



Flue Variants



NOx Class 5



Direct Rear Flue



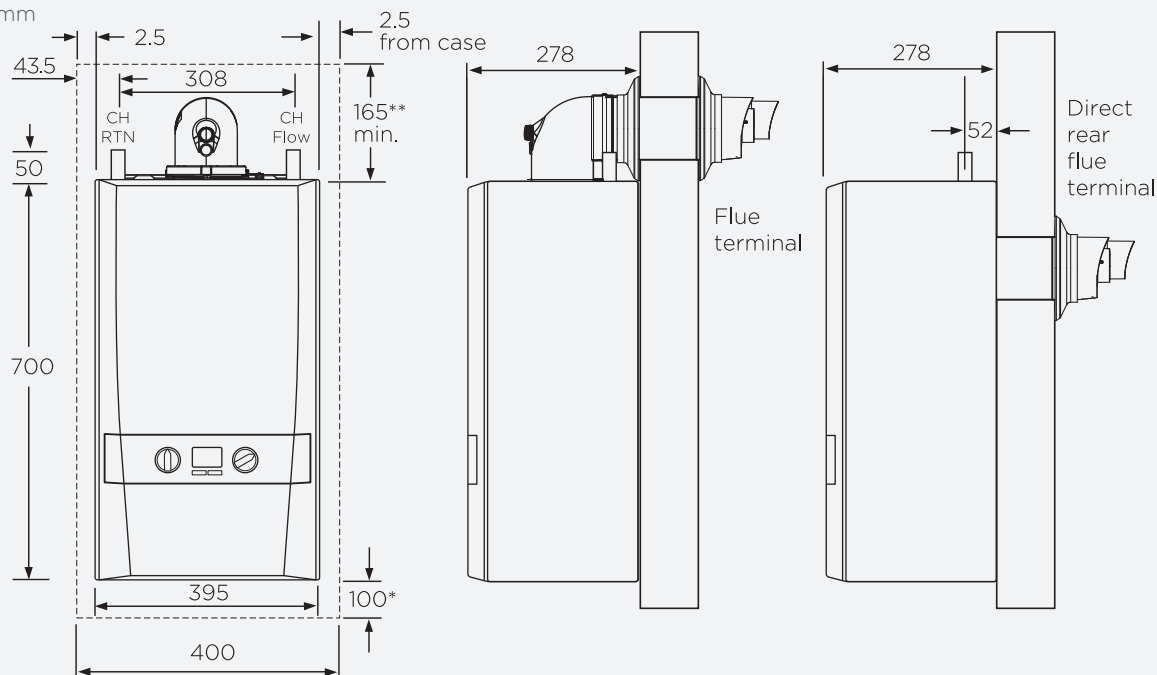
<sup>†</sup> Weight with front panel removed. \* (30 kW only - 6.1 kW).

<sup>††</sup> Available to download from [www.idealboilers.com](http://www.idealboilers.com). \*\* Available with 24 & 30 kW models.

# CLEARANCES & DIMENSIONS.

Height: 700mm  
Width: 395mm  
Depth: 278mm

DIMENSIONS IN MM



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. \*\* Rear flue option - top clearance 100mm.

# TECHNICAL SPECIFICATIONS.

BOILER MODEL	H12	H15	H18	H24	H30
Weight (packaged) kg	26.2	26.2	26.2	26.2	26.2
Max installation weight kg	22.7	22.7	22.7	22.7	22.7
CH output (kW) min/max mean 70°C	4.8 - 12.0	4.8 - 15.0	4.8 - 18.0	4.8 - 24.2	6.1 - 30.3
CH output (kW) min/max mean 40°C	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 rating (2005) %	91.2	91.1	91	91	91.1
SEDBUK rating (2009/2012) %	89.4	89.3	89.2	89.5	89.6
NOx classification	CLASS 5	CLASS 5	CLASS 5	CLASS 5	CLASS 5
Convert to LPG	No	No	No	Yes	Yes
Max horizontal flue	9m	9m	9m	9m	8m
Max vertical flue	7.5m	7.5m	7.5m	7.5m	7.5m
Powered vertical flue	22m	22m	22m	22m	22m
Condensing boiler	Yes	Yes	Yes	Yes	Yes
Direct rear flue kit (55/80)	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 $\eta_s$ %	92	93	92	93	93
Water heating energy efficiency class	n/a	n/a	n/a	n/a	n/a

Multiple flue kits available.

# LOGIC CODE COMBI ESP1.

26 33 38

HIGH EFFICIENCY COMBINATION BOILERS.



## KEY FEATURES

- Easy to see pressure gauge
- Large backlit display with user friendly controls
- Low lift weight (starting from 34.3kg)
- Low component count maximising reliability
- Complete range of Logic combination boilers for social new build developers
- Achieves optimum SAP and DER performance for standard combination boiler usage
- Higher DHW flow rates than standard boiler – approximately 10% increase
- Built in flue gas heat recovery

## RELIABLE

- Energy Saving Trust endorsed
- Flexible warranty
- Reduced water wastage as DHW inlet is preheated
- Reduced plumbing on DHW

## EASY TO INSTALL

- One single appliance to install – quick and easy
- Built-in pipework; no extra space at the side of the product needed
- Standard combination connections
- No additional maintenance requirement
- Compact and light solution for social new build or retrofit installations



Compact



LPG  
Conversion Kit\*



Frost  
Protection



Flue  
Variants



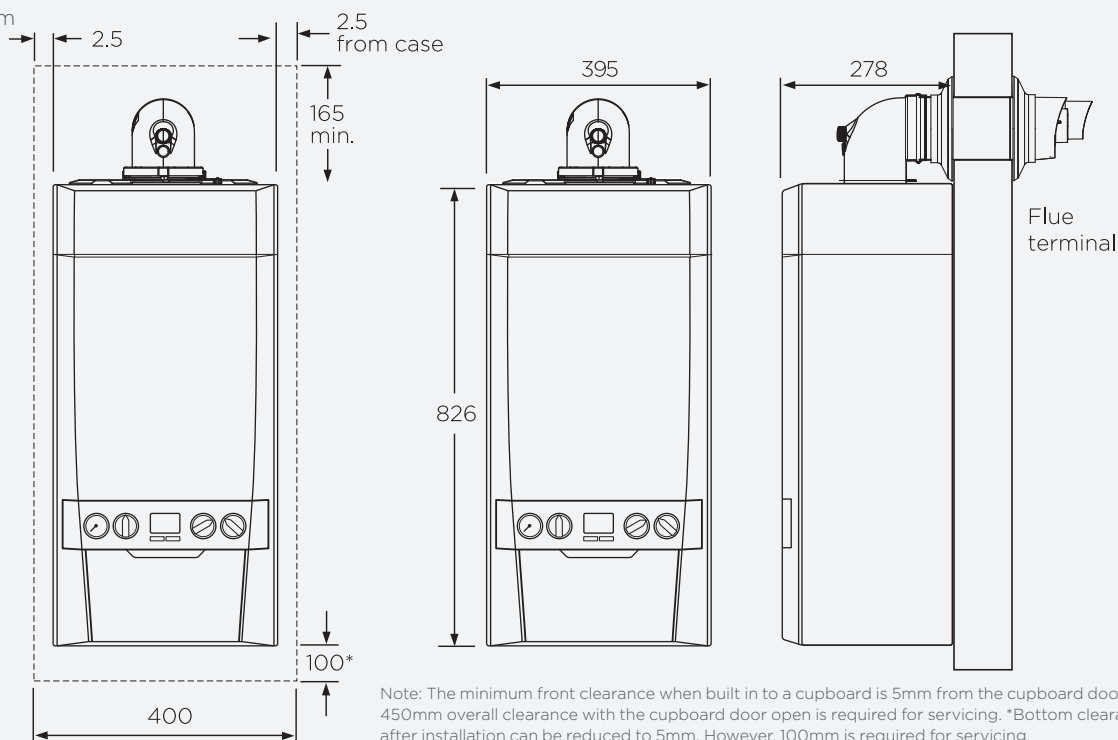
NOx  
Class 5



# CLEARANCES & DIMENSIONS.

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

DIMENSIONS IN MM



# TECHNICAL SPECIFICATIONS.

BOILER MODEL	26	33	38
Weight (packaged) kg	37.3	37.4	37.5
Max installation weight kg	34.3	34.4	34.5
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 rating (2005) %	91.1	91.1	91.1
SEDBUK rating (2009/2012) %	89.6	89.6	89.6
NOx classification	CLASS 5	CLASS 5	CLASS 5
Convert to LPG	No	Yes	Yes
Max horizontal flue**	9m	8m	6m
Max vertical flue**	7.5m	7.5m	7.5m
Powered vertical flue†	22m	22m	22m
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
Water heating energy efficiency class	A	A	A

Multiple flue kits available.

\*\* Each 90° elbow used is at the expense of 1000mm of straight flue run, and each 45° elbow is used at the expense of 600mm of straight flue run.

† Typical combined primary and secondary length. See installation instructions for more details. Note: The Flue Deflector Kit is used at the expense of 1000mm of straight flue run.

# LOGIC COMBI ESP1.

24 30 35

## HIGH EFFICIENCY COMBINATION BOILERS.

### KEY FEATURES

- Easy to see pressure gauge
- Large backlit display with user friendly controls
- Low lift weight (starting from 28.9kg)
- Low component count maximising reliability
- Complete range of Logic combination boilers for social new build developers
- Achieves improved SAP and DER performance
- 75mm deep translucent condensate siphon
- Fully modulating operation to low outputs
- Automatic bypass

### RELIABLE

- Energy Saving Trust endorsed
- Flexible warranty
- Boiler frost protection
- Built-in, easy to use filling loop
- Simple diverter valve design
- Two stage flame sensing for greater reliability
- Latest generation Honeywell gas valve

### EASY TO INSTALL

- Compact cupboard fit
- Fast fix flues
- Wide range of additional flueing options
- Easy access to PRV and AAV
- Preformed copper tails
- Pre-wired mains lead (2m)
- Universal condensate connection
- Stand off kit including piping available
- Compatible with a range of additional controls inc. weather compensation
- LPG conversion kit available for 35 kW boilers



Compact



LPG Conversion Kit\*



Frost Protection



Flue Variants



NOx Class 5

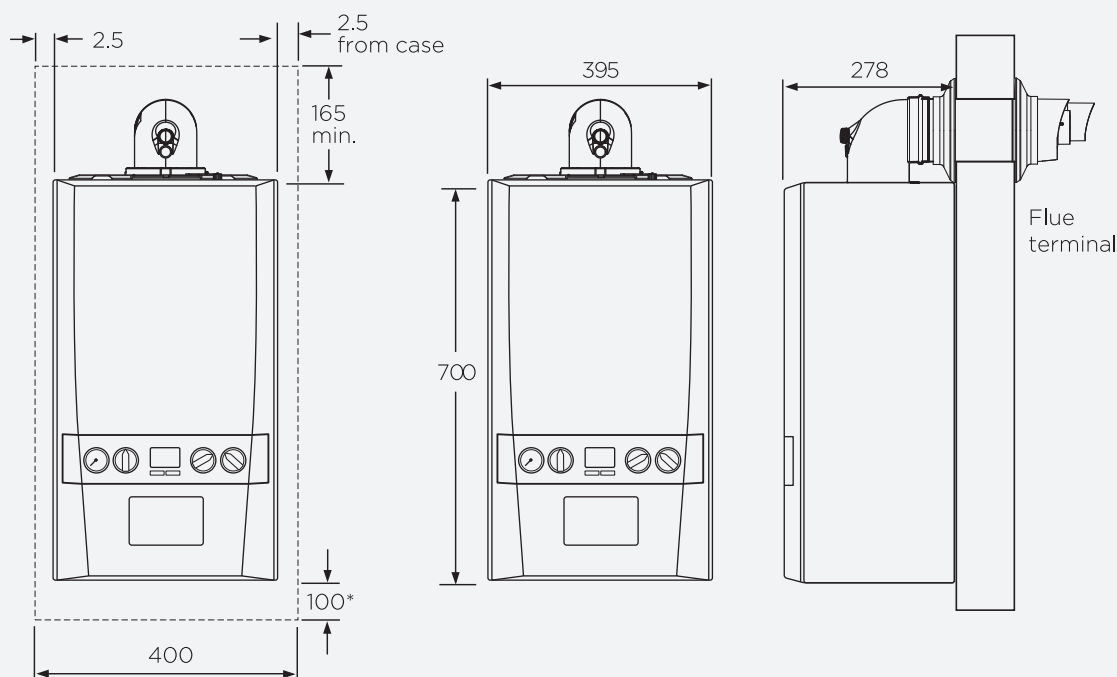




# CLEARANCES & DIMENSIONS.

Height: 700mm  
Width: 395mm  
Depth: 278mm

DIMENSIONS IN MM



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.

# TECHNICAL SPECIFICATIONS.

BOILER MODEL	24	30	35
Weight (packaged) kg	33.7	33.8	33.9
Max installation weight kg	28.9	29.0	29.1
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 rating (2005) %	91.1	91.1	91.1
SEDBUK rating (2009/2012) %	89.6	89.6	89.6
NOx classification	CLASS 5	CLASS 5	CLASS 5
Convert to LPG	No	No	Yes
Max horizontal flue*	9m	8m	6m
Max vertical flue*	7.5m	7.5m	7.5m
Powered vertical flue†	22m	22m	22m
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

Available Flue Extensions 0.5m, 1m and 2m. Multiple flue kits available.

\* Each 90° elbow used is at the expense of 1000mm of straight flue run, and each 45° elbow is used at the expense of 600mm of straight flue run.

† Typical combined primary and secondary length. See installation instructions for more details. Note: The Flue Deflector Kit is used at the expense of 1000mm of straight flue run.

# COMBINATION BOILER CONTROLS.

## PROGRAMMABLE THERMOSTATS AND TIMERS.

WE BELIEVE THAT CHOOSING THE RIGHT CONTROL TO MEET THE NEEDS OF YOUR CUSTOMER IS ALMOST AS IMPORTANT AS CHOOSING THE RIGHT BOILER; THIS IS WHY OUR BOILERS ARE FULLY COMPATIBLE WITH A RANGE OF THERMOSTATS AND TIMERS FOR THE ULTIMATE IN HOME COMFORT.



### MECHANICAL TIMER.

(Part No. 215390)

ErP: Class 0, no additional efficiency.

Simple heating control through a plug in analogue timer. 24 hour tappet operation with off/timed/continuous periods.

### RF ELECTRONIC PROGRAMMABLE THERMOSTAT.

(Part No. 216131)

ErP: Class 5, 3% additional efficiency.

Wireless radio frequency (RF) digital timer and room thermostat providing heating control. 7 day, plain text operating and diagnostics display. Automatic summer/winter time update.



## TOUCH.

(Part No. 214216)  
ErP: Class 5.

Ideal's new electronic programmable room thermostat featuring simple user interface, 7 day timed control of central heating, wireless connection and built in frost protection.



# COMBI, HEAT & SYSTEM CONTROLS.

## WEATHER COMPENSATION OUTDOOR SENSOR.

(Part No. 216119) ErP: Class 2, 2% additional efficiency.

The Logic boilers provide weather compensation when fitted with an outdoor sensor (which is available as an optional accessory).

Weather compensation works by measuring the temperature outside the home and adjusting the temperature (or flow) of the radiators inside.

If the weather is particularly cold outside, the outdoor sensor will communicate with the boiler intelligently to increase the radiator temperature. This process also works in reverse, as the outdoor temperature increases, the flow to the radiators too will decrease.

This process allows the system to operate more efficiently by only heating to the minimum temperature necessary and also preventing spikes in heating activity.



# LPG

## CONVERSION KITS.

Designed for use with many of the Logic range of boilers, the Ideal LPG (propane) conversion kit provides a simple and robust gas conversion solution.

With kits available for natural gas to LPG, and LPG to natural gas, these quick to install accessories provide a simple and pragmatic solution without the need for products to be adjusted.

Each kit contains specific components for each required boiler type.

### KEY FEATURES.

- Available for all product types (combi, heat & system)
- Suitable for most property sizes
- Fast & simple conversion with preset gas valve for no product adjustment

### APPLICABLE MODELS.

- Logic Combi C24 C30
- Logic Code Combi ESP1 33 & 38
- Logic Combi ESP1 35
- Logic Heat H24 & H30
- Logic System S24IE & S30IE
- Logic System S30

### NATURAL GAS TO LPG KIT CONTENTS EACH KIT COMPRISES:

- Gas valve (preset operation)
- Burner injector
- Data plate labels
- Instructions
- Washer (not pictured)
- 'O' ring (not pictured)

Use of the preset gas valve ensures the safety feature of a non adjustable gas valve is retained during conversion.

Two data plate labels are provided in the kits inclusive of a new data plate providing LPG details and a label to retain boiler serial number identity.



### SPECIFICATION.

BOILER MODEL	COMBI C24	COMBI C30	COMBI ESP1 35
Min. output (kW)	4.8	6.1	7.1
Max. output (kW)	24.2	24.2	24.2
Max DHW output (kW)	24.2	30.3	35.3

BOILER MODEL	CODE COMBI ESP1 33	CODE COMBI ESP1 38
Min. output (kW)	6.1	7.1
Max. output (kW)	24.2	24.2
Max DHW output (kW)	32.7	38.2

BOILER MODEL	HEAT H24	HEAT H30
Min. output (kW)	4.8	6.1
Max. output (kW)	24.2	30.3
Max DHW output (kW)	N/A	N/A

BOILER MODEL	SYSTEM S24IE	SYSTEM S30IE	SYSTEM S30
Min. output (kW)	4.8	6.1	6.1
Max. output (kW)	24.2	30.3	30.3
Max DHW output (kW)	N/A	N/A	N/A

NG-LPG CONVERSION KIT	PRODUCT CODE
LOGIC CODE COMBI ESP1 33	215753
LOGIC CODE COMBI ESP1 38	215754
LOGIC COMBI C24	215738
LOGIC COMBI C30	215739
LOGIC COMBI ESP1 35	215752
LOGIC HEAT H24	215741
LOGIC HEAT H30	215742
LOGIC SYSTEM S24IE	215747
LOGIC SYSTEM S30IE	215748
LOGIC SYSTEM S30	215746

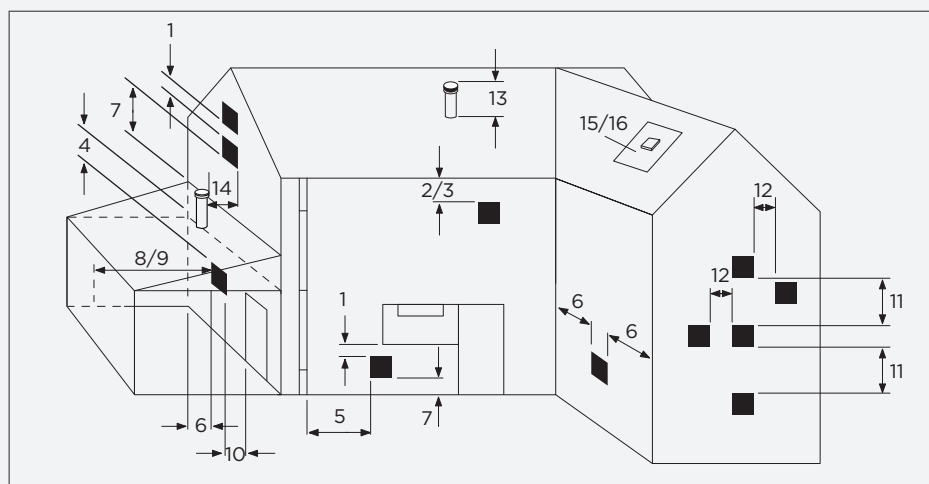
LPG-NG CONVERSION KIT	PRODUCT CODE
LOGIC CODE COMBI ESP1 33	179008
LOGIC CODE COMBI ESP1 38	179009
LOGIC COMBI C24	178994
LOGIC COMBI C30	178995
LOGIC COMBI ESP1 35	179007
LOGIC HEAT H24	178997
LOGIC HEAT H30	178998
LOGIC SYSTEM S24IE	179002
LOGIC SYSTEM S30IE	179003
LOGIC SYSTEM S30	179000

# FLUE SITING.

There are a substantial number of flueing options available for Ideal boiler 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.



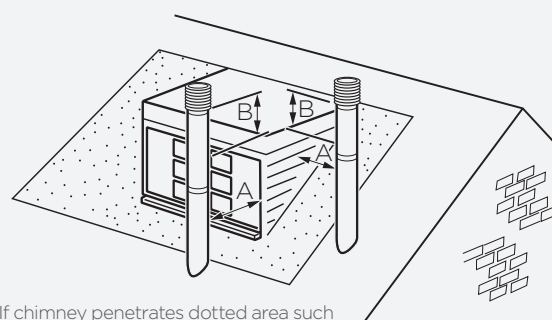
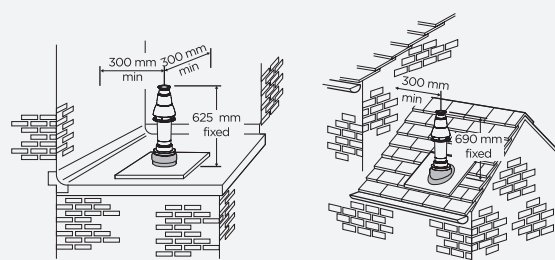
Minimum dimensions of flue terminal positions.

## FLUE TERMINAL POSITION MIN. SPACING

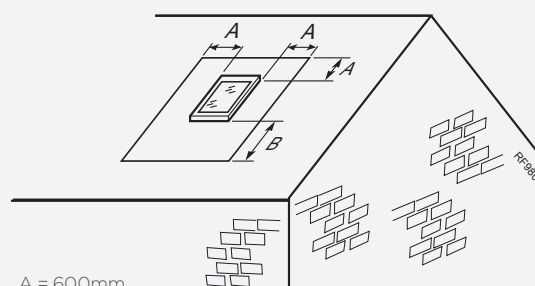
1. Directly below, above or alongside an opening window, air vent or other ventilation opening.	300mm (12")
2. Below guttering, drain pipes or soil pipes. BS5440-1 2008	25mm (1")* 75mm (3")
3. Below eaves. BS5440-1 2008	25mm (1")* 200mm (8")
4. Below balconies or car port roof. BS5440-1 2008	25mm (1")* 200mm (8")
5. From vertical drain pipes or soil pipes. BS5440-1 2008	25mm (1")* 150mm (6")
6. From an internal or external corner or to a boundary alongside the terminal. BS5440-1 2008	25mm (1")* 300mm (12")
7. Above ground, roof or balcony level.	300mm (12")
8. From a surface or a boundary facing a terminal.	600mm (24")
9. From a terminal facing a terminal.	1200mm (48")
10. From an opening in a car port (eg. door or window) into dwelling.	1200mm (48")
11. Vertically from a terminal on the same wall.	1500mm (60")
12. Horizontally from a terminal on the wall.	300mm (12")

## VERTICAL FLUES

13. Above the roof pitch with roof slope of all angles. Above flat roof.	300mm (12") 300mm (12")
14. From a single wall face. From corner walls.	300mm (12") 300mm (12")
15. Below velux window.	2000mm (79")
16. Above or side of velux window.	600mm (24")



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



A = 600mm  
B = 2000mm

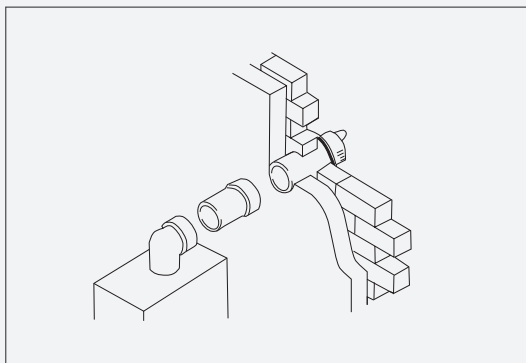
The flue terminal shall not penetrate the shaded area of the roof.

\* Only one reduction down to 25mm is allowable per installation otherwise BS5440-1 2008 dimensions must be followed.

# FLUEING OPTIONS.

LOGIC COMBI (ESP1), SYSTEM & HEAT

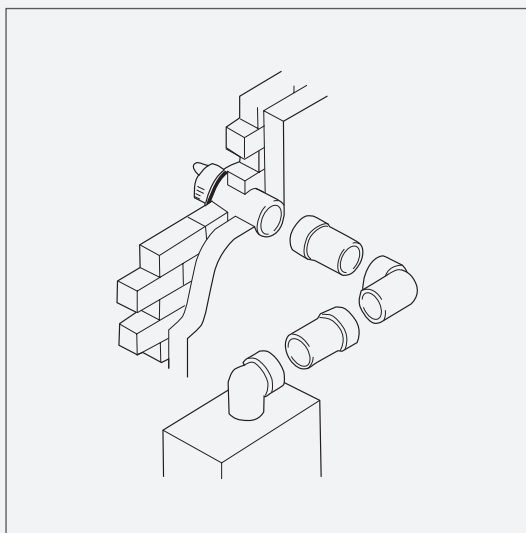
## HORIZONTAL CONCENTRIC 100MM DIAMETER



FLUE	PART NO.
Horizontal flue terminal (0.6m long)	208171
Telescopic B pack flue (0.6m long)	208169
Flue extension 1m (pack D)	203129

**NOTE:**  
(FOR LOGIC HEAT - REAR OUTLET FLUE (55/80) SEE P.36)

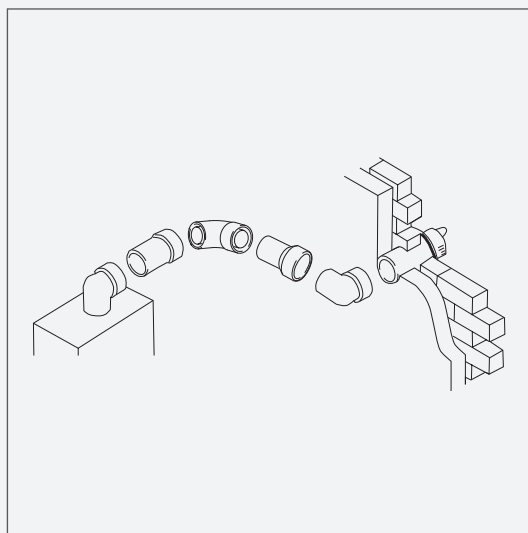
## HORIZONTAL FLUE WITH 1 X 90° ELBOW



FLUE	PART NO.
Horizontal flue terminal (0.6m long)	208171
Telescopic B pack flue (0.6m long)	208169
Flue extension 1m (pack D)	203129
Flue 90° elbow kit (60/100)	203130

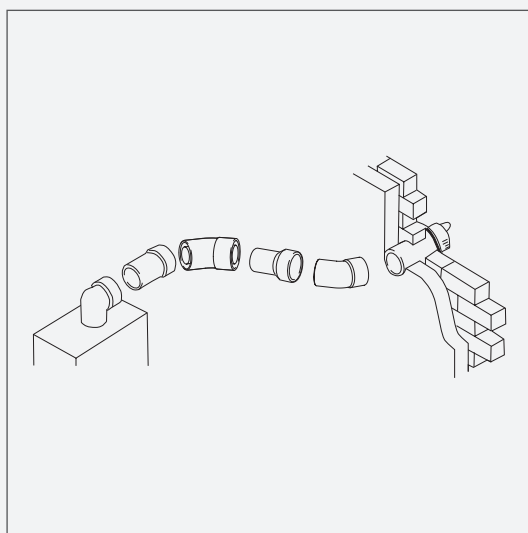


## HORIZONTAL FLUE WITH 2 X 90° ELBOW



FLUE	PART NO.
Horizontal flue terminal (0.6m long)	208171
Telescopic B pack flue (0.6m long)	208169
Flue extension 1m (pack D)	203129
Flue 90° elbow kit (60/100)	203130

## HORIZONTAL FLUE WITH 2 X 45° ELBOW

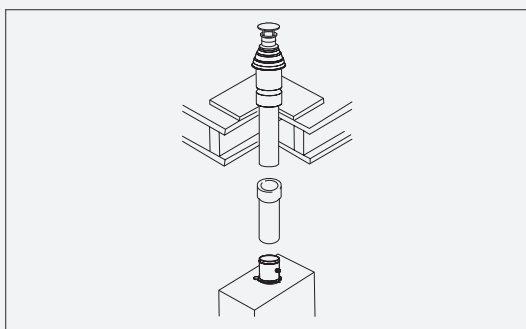


FLUE	PART NO.
Horizontal flue terminal (0.6m long)	208171
Telescopic B pack flue (0.6m long)	208169
Flue extension 1m (pack D)	203129
Flue elbow 45° kit (60/100)	203131

# FLUEING OPTIONS.

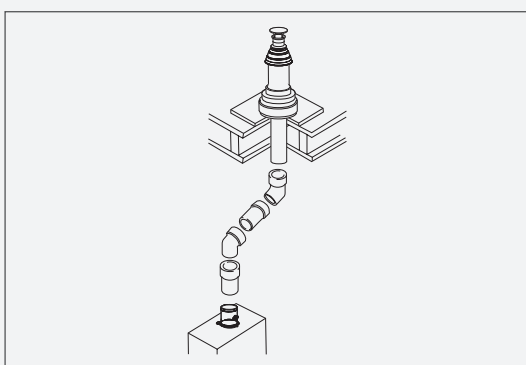
LOGIC COMBI (ESP1), SYSTEM & HEAT

## ROOF FLUE SYSTEM



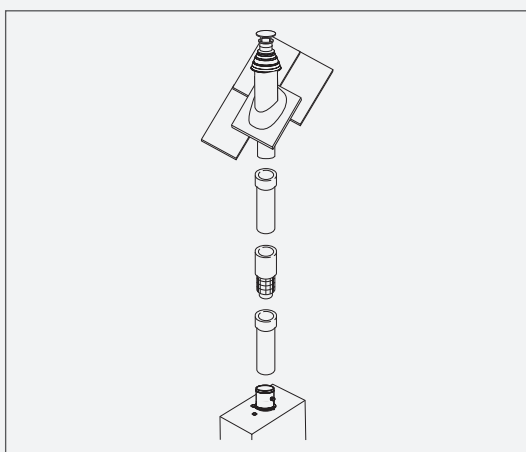
FLUE	PART NO.
Roof flue kit (with vertical connector)	211039
Flue extension 1m (pack D)	203129
Universal weather collar (suits any roof pitch)	152258
Flat roof weather collar	152259

## 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 100 dia	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 2 metre lengths.

# ACCESSORIES.

LOGIC COMBI (ESP1), SYSTEM & HEAT

## FLUEING ACCESSORIES

<p>Telescopic B pack flue (0.6m long)</p> <p>Ideal part no. 208169</p>	<p>Horizontal flue terminal (0.6m long)</p> <p>Ideal part no. 208171</p>	<p>Flue horizontal terminal telescopic 1m</p> <p>Ideal part no. 208174</p>	<p>Flue elbow 90° kit (60/100) packaged</p> <p>Ideal part no. 203130</p>	<p>Flue elbow 45° kit (60/100) packaged (pair)</p> <p>Ideal part no. 203131</p>	<p>Flue extension 1m (Pack D)</p> <p>Ideal part no. 203129</p>
<p>Flue vertical connector</p> <p>Ideal part no. 208175</p>	<p>Flue powered vertical terminal 100 dia</p> <p>Ideal part no. 203134</p>	<p>Flue deflector 60 dia</p> <p>Ideal part no. 208176</p>	<p>Weather collar (universal) 100 dia</p> <p>Ideal part no. 152258</p>	<p>Weather collar (flat roof) 100 dia</p> <p>Ideal part no. 152259</p>	<p>Flue finishing kit</p> <p>Ideal part no. 155988</p>
<p>Roof flue kit inc. vertical connector</p> <p>Ideal part no. 211039</p>	<p>Vertical powered flue kit</p> <p>Ideal part no. 203136</p>	<p>Rear flue outlet kit (55/80)*</p> <p>Ideal part no. 205990</p>	<p>Flue finishing kit (55/80)*</p> <p>Ideal part no. 206151</p>	<p>Flue extension pipe 80 dia (pair) twin/vertical</p> <p>Ideal part no. 203142</p>	<p>Flue extension 0.5m or 2m</p> <p>Ideal part no. 0.5m 211037 2m 211038</p>

\* Logic Heat

<p>Stand off kit <sup>1</sup></p> <p>Ideal part no. 211103</p>	<p>Stand off kit <sup>2</sup> inc. piping</p> <p>Ideal part no. 211101</p>	<p>Condensate pump kit</p> <p>Ideal part no. 159991</p>	<p>Terminal wall plate RS replacement kit</p> <p>Ideal part no. 211328 Combi &amp; System 206164 Heat</p>	<p>Weather compensation kit</p> <p>Ideal part no. 216119</p>
----------------------------------------------------------------	----------------------------------------------------------------------------	---------------------------------------------------------	---------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------

<sup>1</sup> Combi & System only, for Heat models - 206153. <sup>2</sup> Combi only, for System models only 211330.

## INSTALLATION ACCESSORIES

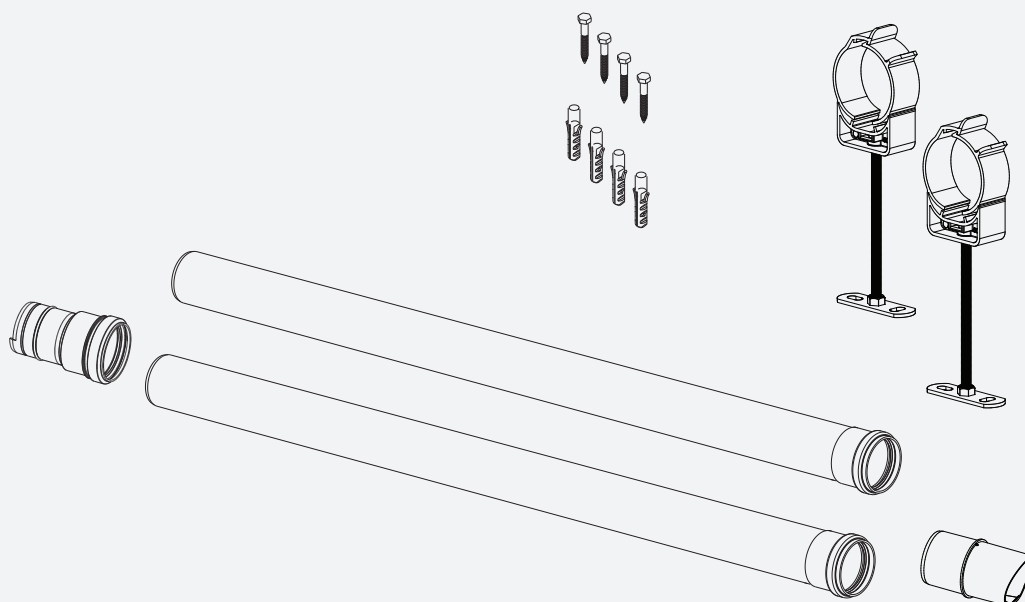
INSTALLATION ACCESSORIES	PART NO.	COMBI	HEAT	SYSTEM	INSTALLATION ACCESSORIES	PART NO.	COMBI	HEAT	SYSTEM
Pre-piping kit	211041	✓	✗	✗	OpenTherm harness kit**	216118	✓	✗	✗
Pre-piping kit	211331	✗	✗	✓	PRV wall outlet pipe kit	205126	✓	✗	✓
Security bracket kit	205217	✓	✓	✓	DHW expansion vessel kit	205419	✓	✗	✗

\*\* Logic Combi only.

# ACCESSORIES.

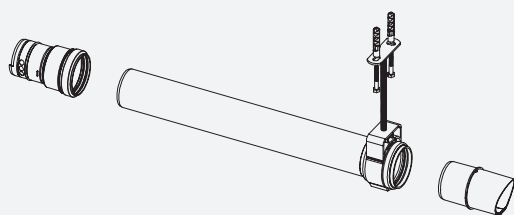
LOGIC COMBI (ESP1), SYSTEM & HEAT

Balcony flue outlet kit



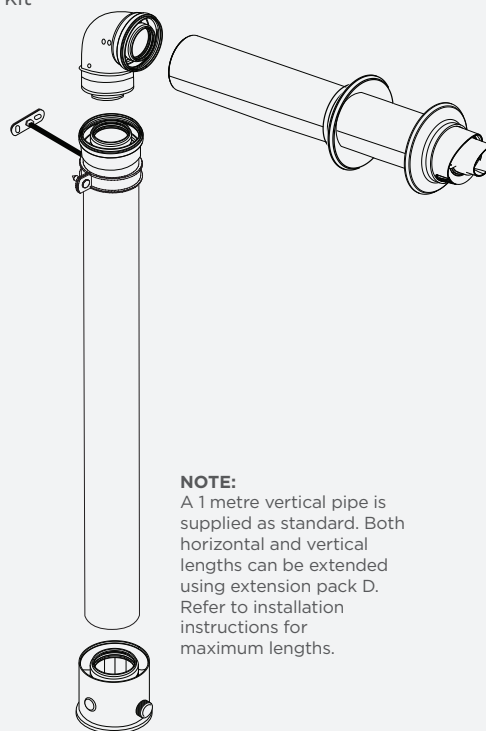
Ideal part no. 208177

Soffit kit



Ideal part no. 211302

Raised horizontal flue outlet kit



**NOTE:**  
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.

Ideal part no. 208290

# ACCESSORIES.

## HIGH LEVEL 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 can be simply fitted retrofitted if necessary (excluding rear outlet of Logic Heat).

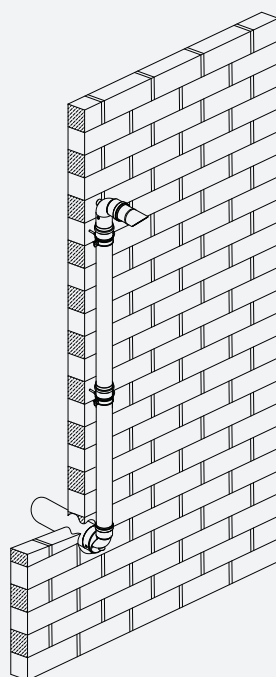
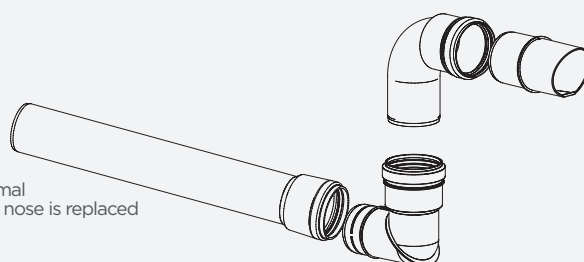
An external 60mm diameter flue leads from the boiler terminal (which includes a 90° elbow at the flue exit) to terminate with a 90° elbow complete with grille. Push fit one metre extension pipes are used as required, and the fixing clips supplied support the system from the wall. Both 90° and 45° elbows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

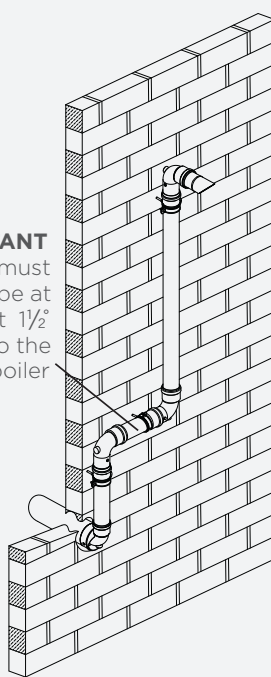
This kit is specified for use with the normal standard B pack. The standard terminal nose is replaced with the high level terminal.

diagram representative only

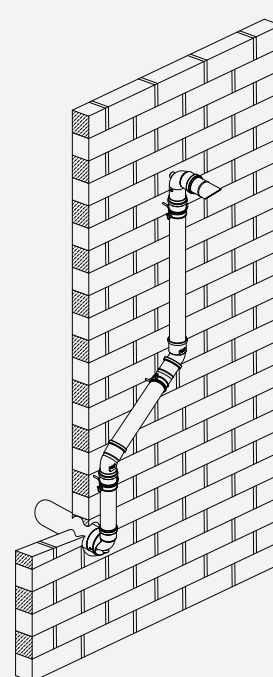


**Vertical**

**IMPORTANT**  
Flue must  
always slope at  
least 1½°  
back to the  
boiler



**Horizontal left or right**



**45° left or right**

LOGIC (ALL MODELS)	PART NO.
High level flue outlet kit	208178
Logic Heat rear flue outlet (55/80) ONLY high level flue outlet kit (55/80)	205989
Flue extension kit 60 dia (1m) - for high level flue outlet kit	203228
High level 90° elbow	203229
High level 45° elbow	203230

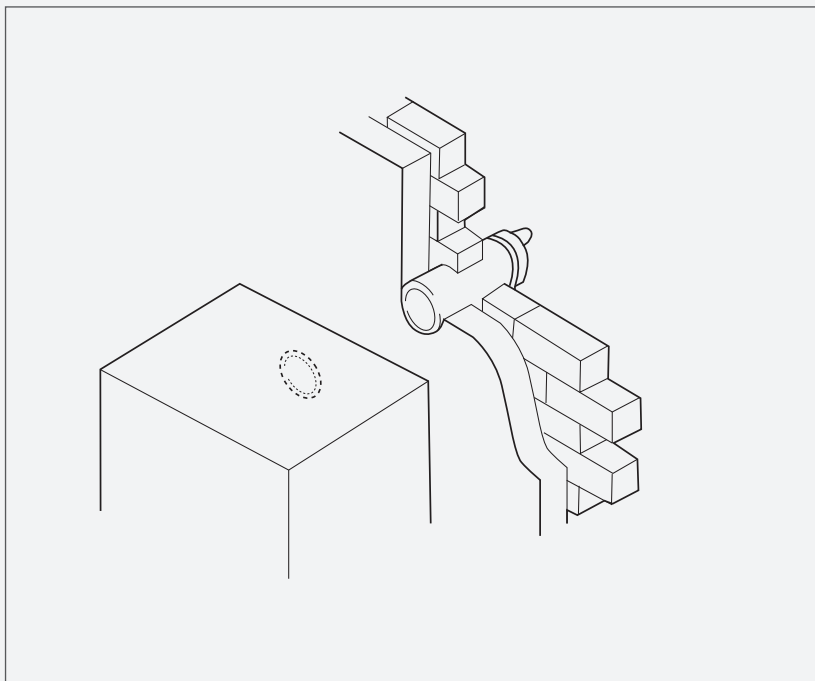
If additional elbows to those supplied in the high level flue outlet kit are used, deduct the following resistances (metres) from the maximum boiler flue length.

LOGIC (ALL MODELS)	METRES
90° elbow	1.4
45° elbow (pair)	1.25

# FLUEING OPTIONS.

LOGIC HEAT

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



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

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

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

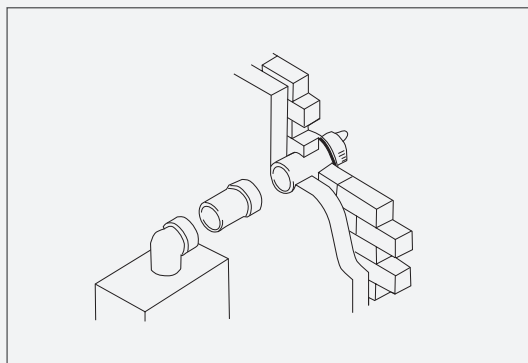
For 1m extension and elbows use standard parts 203228/9 & 30



# FLUEING OPTIONS.

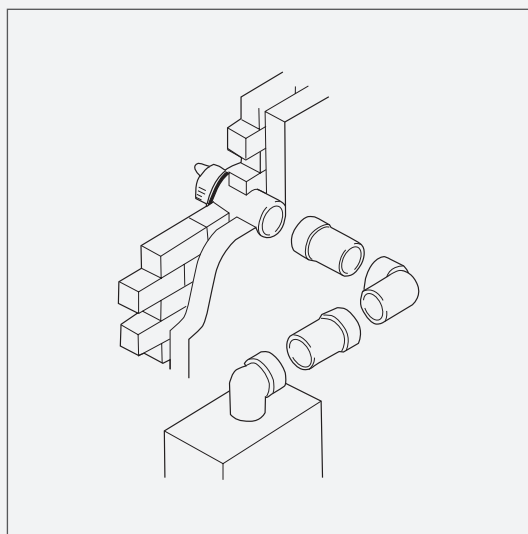
LOGIC CODE COMBI ESP1

## HORIZONTAL CONCENTRIC 100MM DIAMETER



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

## HORIZONTAL FLUE WITH 1 X 90° ELBOW

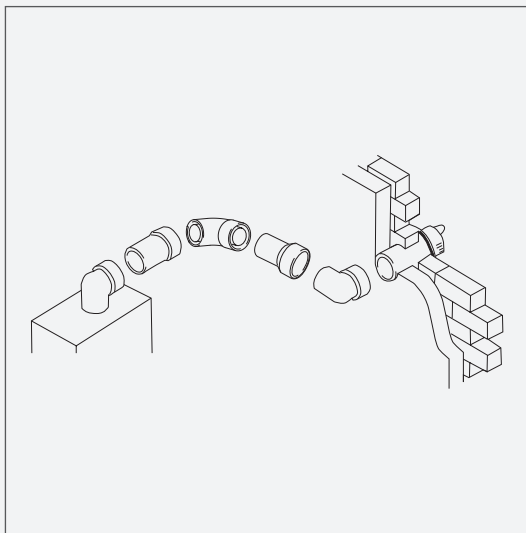


FLUE	PART NO.
Horizontal flue terminal (0.6m long)	208171
Flue extension 1m (pack D)	203129
Flue 90° elbow kit (60/100)	203130

# FLUEING OPTIONS.

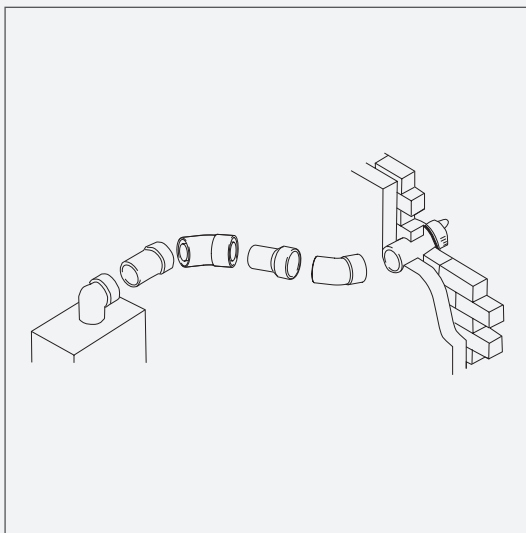
LOGIC CODE COMBI ESP1

## HORIZONTAL FLUE WITH 2 X 90° ELBOW



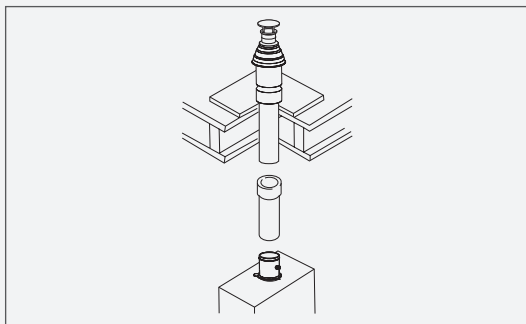
FLUE	PART NO.
Horizontal flue terminal (0.6m long)	208171
Flue extension 1m (pack D)	203129
Flue 90° elbow kit (60/100)	203130

## HORIZONTAL FLUE WITH 2 X 45° ELBOW



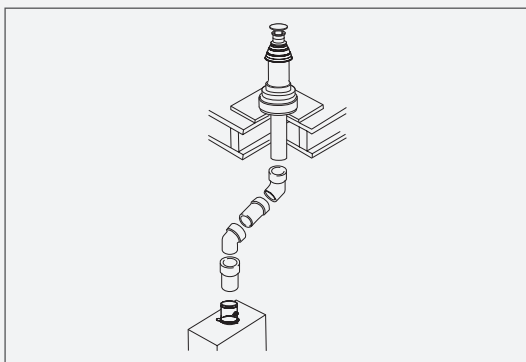
FLUE	PART NO.
Horizontal flue terminal (0.6m long)	208171
Flue extension 1m (pack D)	203129
Flue elbow 45° kit (60/100)	203131

## ROOF FLUE SYSTEM



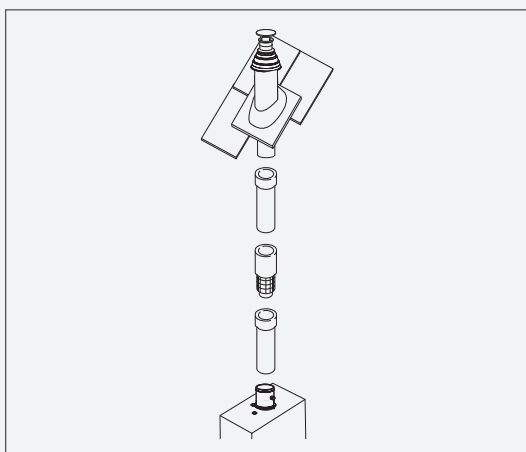
FLUE	PART NO.
Roof flue kit (with vertical connector)	211039
Flue extension 1m (pack D)	203129
Universal weather collar (suits any roof pitch)	152258
Flat roof weather collar	152259

## 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 100 dia	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 2 metre lengths.

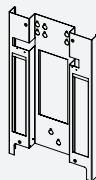
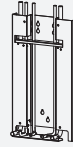
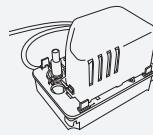
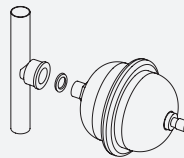
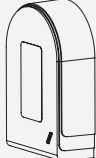
# ACCESSORIES.

LOGIC CODE COMBI ESP1

## FLUEING ACCESSORIES

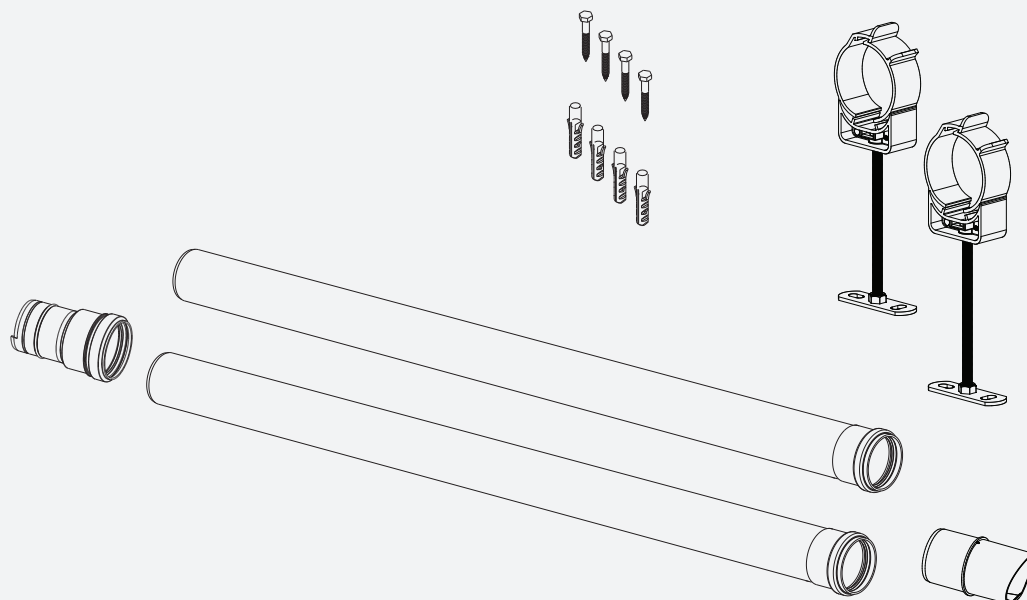
<p>Telescopic B pack flue (0.6m long)</p>  <p>Ideal part no. 208169</p>	<p>Horizontal flue terminal (0.6m long)</p>  <p>Ideal part no. 208171</p>	<p>Flue horizontal terminal telescopic 1m</p>  <p>Ideal part no. 208174</p>	<p>Flue elbow 90° kit (60/100) packaged</p>  <p>Ideal part no. 203130</p>	<p>Flue elbow 45° kit (60/100) packaged (pair)</p>  <p>Ideal part no. 203131</p>	<p>Flue extension 1m (Pack D)</p>  <p>Ideal part no. 203129</p>
<p>Flue vertical connector</p>  <p>Ideal part no. 208175</p>	<p>Flue powered vertical terminal 100 dia</p>  <p>Ideal part no. 203134</p>	<p>Flue deflector 60 dia</p>  <p>Ideal part no. 208176</p>	<p>Weather collar (universal) 100 dia</p>  <p>Ideal part no. 152258</p>	<p>Weather collar (flat roof) 100 dia</p>  <p>Ideal part no. 152259</p>	<p>Flue finishing kit</p>  <p>Ideal part no. 155988</p>
<p>Roof flue kit inc. vertical connector</p>  <p>Ideal part no. 211039</p>	<p>Vertical powered flue kit</p>  <p>Ideal part no. 203136</p>	<p>Concentric flue screw retaining kit</p>  <p>Ideal part no. 205024</p>	<p>Flue extension pipe 80 dia (pair) twin/vertical</p>  <p>Ideal part no. 203142</p>	<p>Flue extension 0.5m or 2m</p>  <p>Ideal part no. 0.5m 211037 2m 211038</p>	

## INSTALLATION ACCESSORIES

<p>Stand off kit</p>  <p>Ideal part no. 206383</p>	<p>Stand off kit Inc. piping</p>  <p>Ideal part no. 206679</p>	<p>Condensate pump kit</p>  <p>Ideal part no. 159991</p>	<p>DHW expansion vessel kit</p>  <p>Ideal part no. 205419</p>	<p>Weather compensation kit</p>  <p>Ideal part no. 216119</p>
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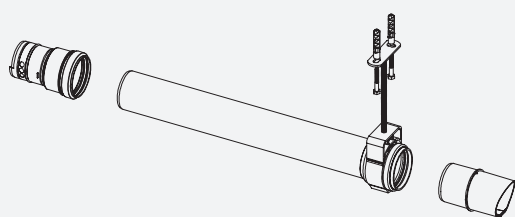
INSTALLATION ACCESSORIES	PART NO.
Pre-piping kit	206704
Security fixing kit	206708
PRV wall outlet pipe kit	205126

Balcony flue  
outlet kit



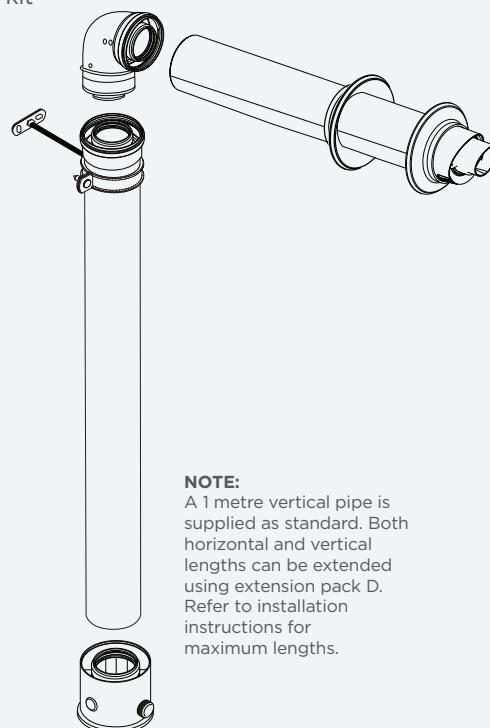
Ideal part no. 208177

Soffit kit



Ideal part no. 211302

Raised horizontal  
flue outlet kit



**NOTE:**  
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.

Ideal part no. 208290

# ACCESSORIES.

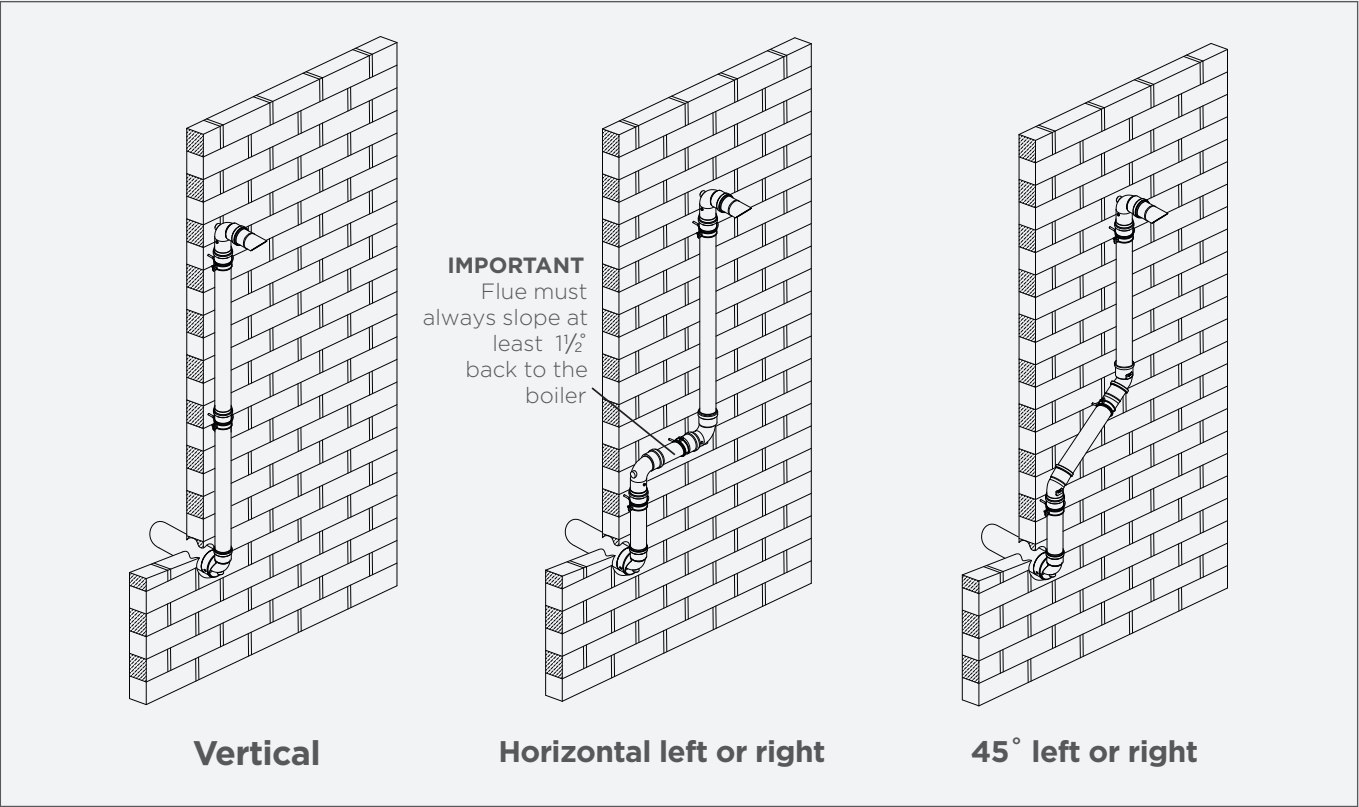
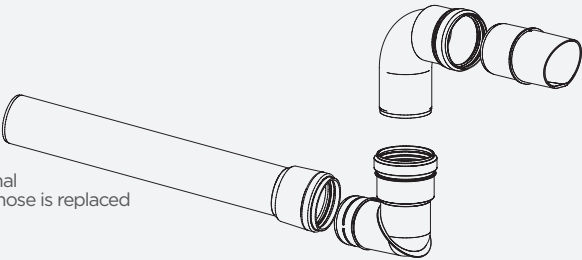
## HIGH LEVEL FLUE OUTLET KIT FOR THE LOGIC CODE COMBI ESP1

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 can be simply fitted retrofitted 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 one metre 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.  
diagram representative only



LOGIC CODE COMBI ESP1	PART NO.
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

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.

LOGIC CODE COMBI ESP1	METRES
90° elbow	1.4
45° elbow (pair)	1.25

## IDEAL PARTS.

In the unlikely event of you ever needing to replace any of the parts in your Ideal boiler, the Ideal spares team is on-hand to provide friendly and helpful advice all year round.

Our team of specialists are on the phone to help you 7 days a week, 364 days a year, to identify the right spare part, we will also help you further by suggesting the nearest approved Ideal parts stockist.

### YOU CAN CONTACT THE PARTS TEAM ON:

Tel: 01482 498665

Fax: 01482 498489

or email: [spares@idealboilers.com](mailto:spares@idealboilers.com)

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