

SOCIAL HOUSING PRODUCT GUIDE

BOILERS | HEAT PUMPS | CYLINDERS | RADIATORS



2024/2025

atlantic

ideal
HEATING

G GLEDHILL

CONTENTS

A woman with dark hair, wearing a purple long-sleeved top, is smiling and looking at a small white circular device held by a man. The device has the word 'Ideal' on its lid. They are in a kitchen with white cabinets and a stainless steel range hood. A vase of red flowers is on the counter to the left.

Together, **Ideal Heating**, **Gledhill**, and **Atlantic** form an unbeatable alliance, providing developers with a comprehensive suite of heating and hot water solutions. **Welcome to the perfect partnership for a warm and efficient future.**



IDEAL HEATING 4

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GLEDHILL 76

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MARKET LEADERS IN HEATING & HOT WATER



At Ideal Heating we believe in making things as easy as possible. That's why we combine ease of installation with high levels of quality and reliability. We rigorously test each and every one of our products with dozens of safety and reliability checks before they leave our Yorkshire based factory.

Our range of boilers has been awarded the Good Housekeeping reader recommended status seven years in a row.

Consistently the UK's leading heating manufacturer.

LOGIC AIR

HEAT PUMP 4 5 8 10 kW



Scan me for full technical specification

The Logic Air heat pump range is our new range of monobloc heat pumps, offering great efficiencies both in heating and hot water. The Logic Air is designed to deliver efficient, simple and reliable low carbon heating in homes throughout the UK.



KEY FEATURES

- ✓ Designed for the UK climate
- ✓ Quiet operation
- ✓ Up to 60°C hot water in rain, ice and snow
- ✓ Flexible warranty
- ✓ 364 day a year UK customer service
- ✓ SCOP rating up to 519%*
- ✓ R32 refrigerant

A+++ EFFICIENCY RATING

PCDB INDEX

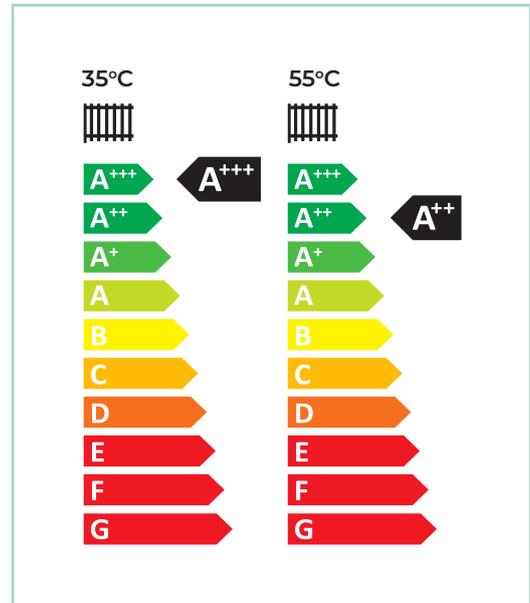
| Flow Temp | Logic Air 4kW | Logic Air 5kW | Logic Air 8kW | Logic Air 10kW |
|----------------|---------------|---------------|---------------|----------------|
| Flow temp 35°C | 107447 | 107235 | 106762 | 106754 |
| Flow temp 45°C | 107446 | 107234 | 106761 | 106753 |
| Flow temp 55°C | 107445 | 107233 | 106760 | 106752 |

*Performance data in accordance with EN 14825, EN 12102-1, EN 14511. The energy efficiency provided may not correspond to the actual energy once installed in a building, as the efficiency is influenced by other factors such as heat loss in the distribution system and the capacity of the products in relation to building size and characteristics.

OVERVIEW

Taking the learnings from the award winning Logic boiler, the Logic Air heat pump integrates seamlessly with UK homes, partnered with our best in class pre-plumbed hot water cylinder and our connected Halo Air room thermostat, the Logic Air is quick to install, easy to commission and simple to use.

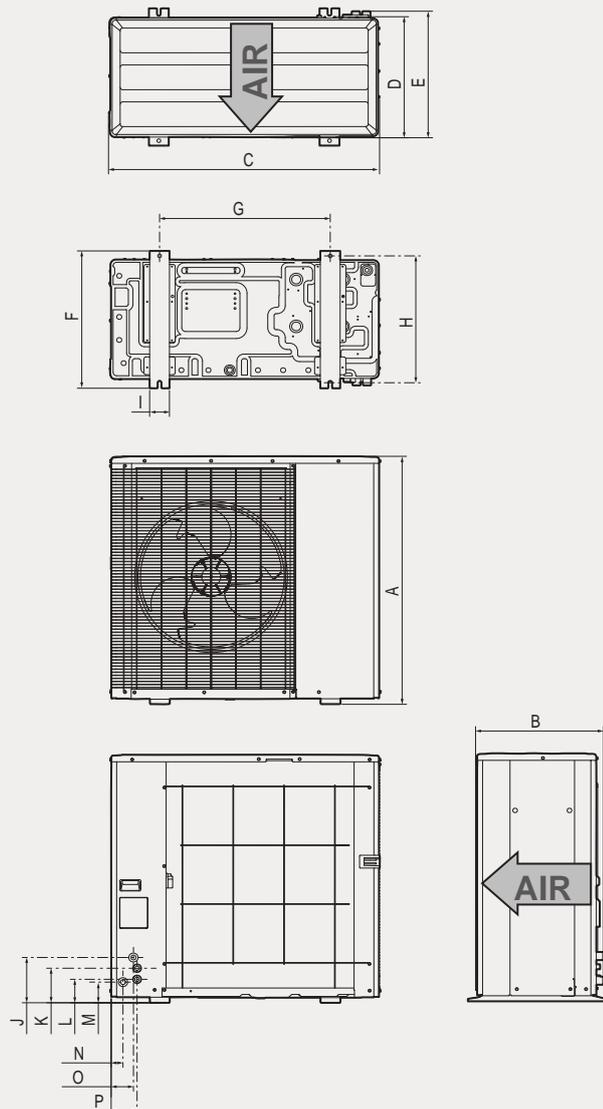
Our new heat pumps are supported by our industry leading customer service and warranty team which is based in the UK and is open 364 days a year, providing customer service and technical support.



CLEARANCES & DIMENSIONS

All Dimensions in mm

| | 4kW & 5kW | 8kW & 10kW |
|----------|-----------|------------|
| A | 798 | 1008 |
| B | 518 | 518 |
| C | 1095 | 1095 |
| D | 499 | 499 |
| E | 518 | 518 |
| F | 558 | 558 |
| G | 688 | 688 |
| H | 516 | 516 |
| I | 80 | 80 |
| J | 184 | 184 |
| K | 140 | 140 |
| L | 95 | 95 |
| M | 84 | 84 |
| N | 48 | 48 |
| O | 90 | 90 |
| P | 103 | 105 |



LOGICAL SOLUTIONS



EFFICIENCY

The efficiency rating of a heat pump determines how much it costs to use. A high efficiency rating means it costs less to operate.

The Logic Air has one of the highest efficiency ratings in the UK, rated at 5.19 (Coefficient of performance) making it one of the most economical heat pumps on the market.



SOUND AND DIMENSIONS

Sound and dimensions are important, not just for our customers comfort level, but to MCS and the Planning office. The Logic Air is quiet and compact. Small enough for permitted development with the local planning authority and cutting edge acoustic technology makes its low sound levels amongst the best in the market.



FAST HEAT PUMP INSTALLATION

Our Logic Air heat pump, pre-plumbed cylinders and Halo Air room thermostat are designed to be amongst the fastest heat pumps to install. Factory fitted components, click and connect wiring terminals reduce installation time and improve installation reliability.



HOT WATER

Ensuring enough hot water can be generated efficiently and quickly is crucial to a heat pump system. The Logic Air pre-plumbed hot water cylinder can generate hot water faster than some of the most popular heat pump DHW cylinders in the UK, saving money and energy.



SIMPLE TO USE, APP CONTROL AND ONLINE HEALTH CHECKS

Halo Air is a new generation of heat pump thermostats connected to your phone with options to connect to our customer service team. Halo Air automatically makes your heating system more efficient, enables remote control and 24/7 system performance data. All wrapped up in an easy to use controller.



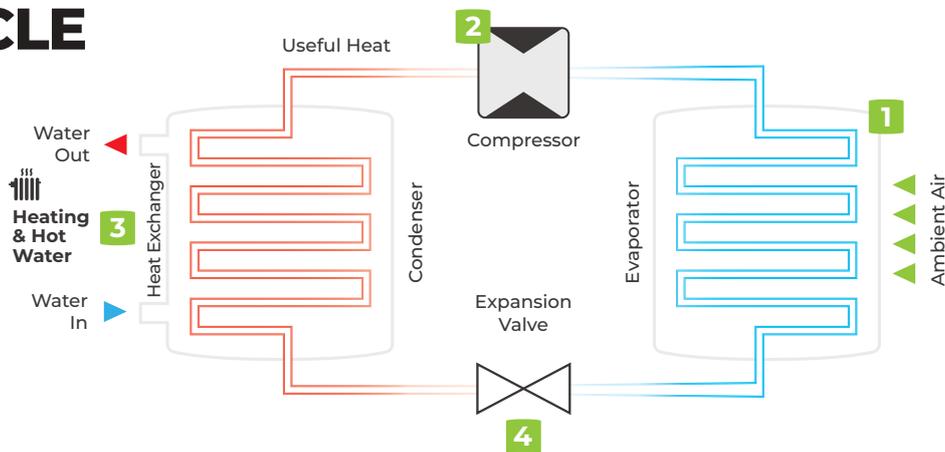
SAFE AS STANDARD

R32 refrigerant has a flammability rating almost 85% lower than propane alternatives. With a '0' ozone depletion rating and a low global warming potential, R32 is safe efficient and reliable.



THE TECHNOLOGY

HEAT PUMP CYCLE



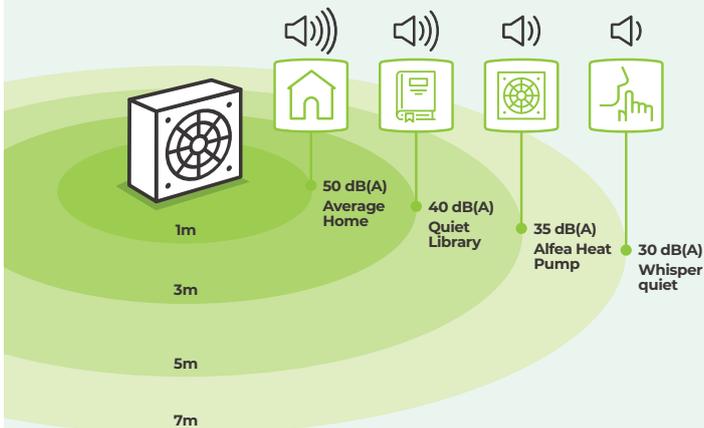
1. Capture: The fan passes ambient air over extremely cold liquid refrigerant. The refrigerant captures the heat from the ambient air and becomes a warm vapour.

3. Exchange: The heat in the hot refrigerant is then transferred to the heating and hot water cylinder through a heat exchanger.

2. Compress: The warm refrigerant vapour passes through a compressor which produces hot refrigerant and usable heat.

4. Expand: Once the heat has been transferred to the house, the refrigerant passes through an expansion valve which reduces its temperature, making it cold again and enabling it to capture heat from the ambient air, continuing the cycle.

SOUND PRESSURE AND SOUND POWER



Sound power

The way we calculate the sound a heat pump makes is by measuring the sound power and sound pressure. The sound power level is the sound that is emitted from the unit in laboratory conditions and is displayed on the ErP label.

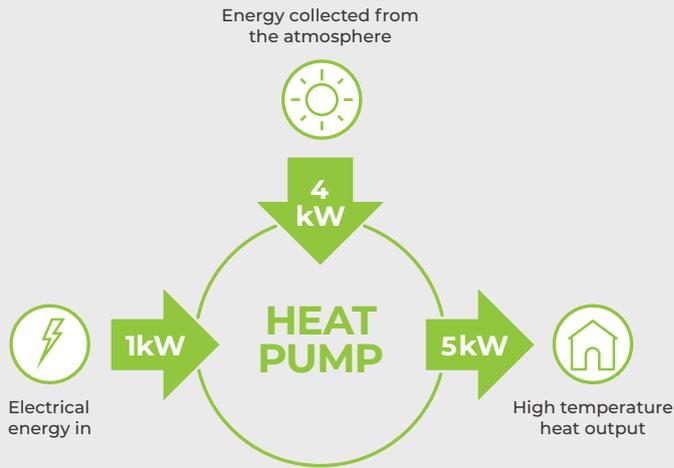
Sound pressure

The sound noise level (sound pressure) measures the level of sound that you hear above the sound that already exists in the background. Sound pressure is lower than sound power.

Quiet Mark

The Logic Air range of heat pumps have all achieved Quiet Mark certification. Quiet mark is associated with the noise abatement society and technically assesses and certifies the quietest heat pumps in the heating industry.

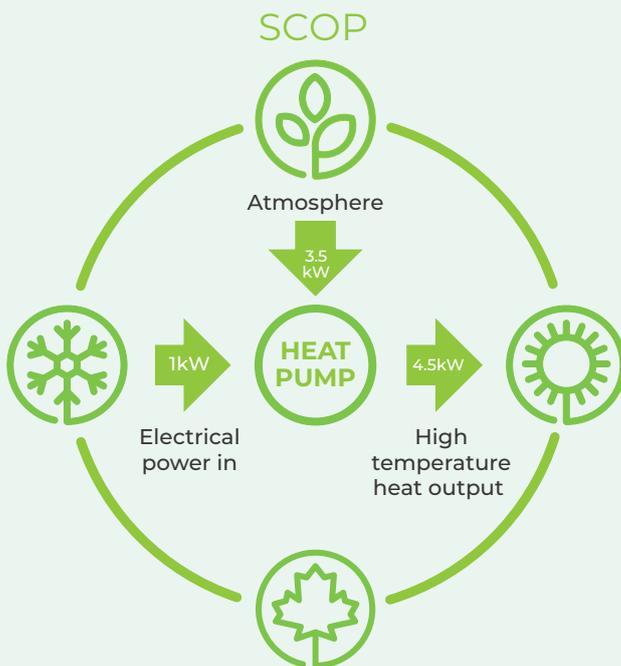
COP & SCOP MEASURES OF EFFICIENCY



COP - COEFFICIENT OF PERFORMANCE

The coefficient of performance (COP) helps us measure the efficiency of a heat pump. The COP calculates the amount of heat energy a heat pump can create from each unit of electricity it uses.

$$\text{COP} = \frac{\text{HEAT OUTPUT}}{\text{ELECTRICAL INPUT}}$$



SCOP - SEASONAL COEFFICIENT OF PERFORMANCE

The seasonal coefficient of performance (SCOP) is the average COP carried over the annual heating season (the full year).

LOGIC AIR



Scan me for full technical specification

PRE-PLUMBED CYLINDER

Our stainless steel Logic Air pre-plumbed hot water cylinders combine efficiency with practicality. Designed and manufactured in the UK and boasting industry leading reheat times, our cylinders have been designed to store and generate hot water efficiently using a heat pump.



**DESIGNED
TO FIT IN UK
HOMES**

KEY FEATURES

- ✓ 60°C DHW
- ✓ 28.5% energy savings*
- ✓ Built in low loss header or buffer tank
- ✓ 49% faster reheat times*
- ✓ Fully pre-plumbed and pre-wired



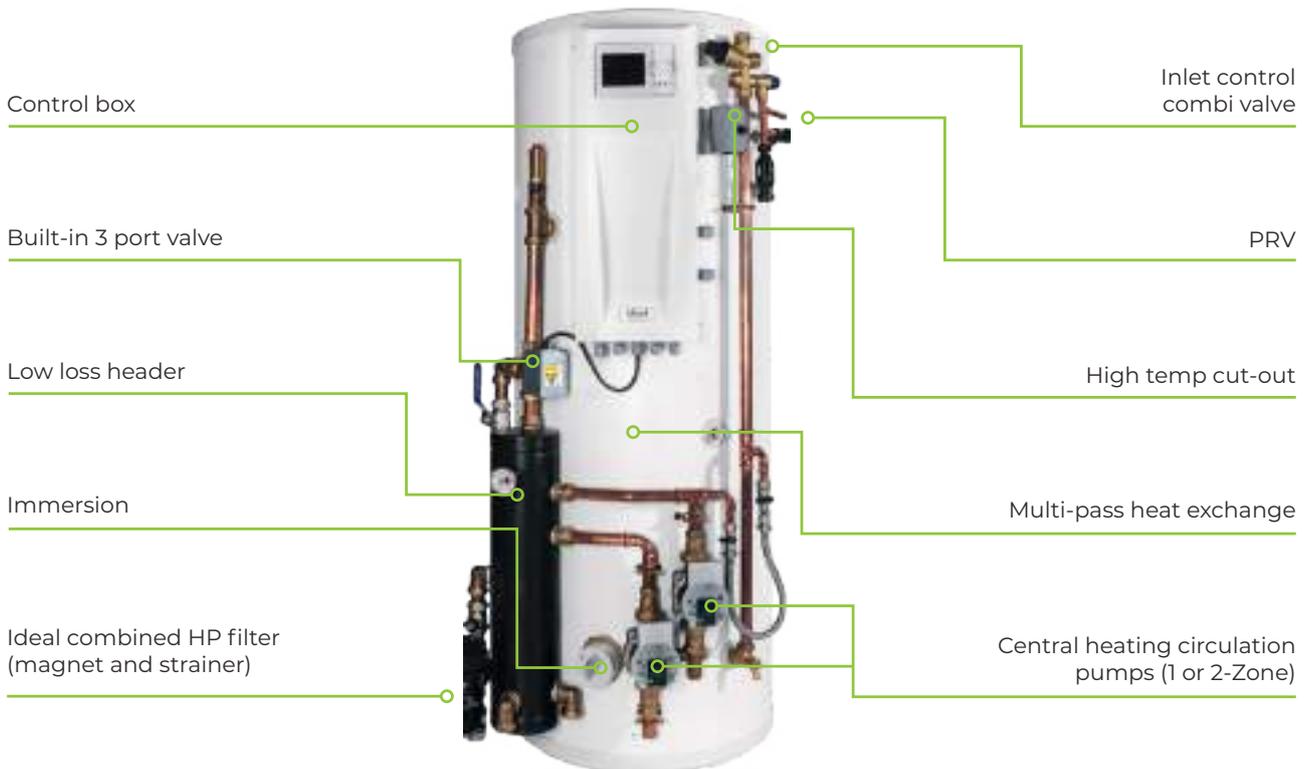
The Logic Air pre-plumbed cylinder range comes in **16 variants** from **single-zone** 150 Litre to **2-zone** 300 Litre

NEW COMBINED DHW AND BUFFER CYLINDERS

The new pre-plumbed cylinder range includes models with an integrated buffer. Housing the DHW cylinder and separate buffer tank in the same case, alongside pre-wired circulation pumps and all the standard pre-plumbing components.

NEW LOW LOSS HEADER

Our new pre-plumbed low loss header cylinders de-couple the heating system from the heat pump protecting flow rates and enabling 2-zone control.



*Performance figures from for HWA 002:2020 heat pump test results

| LOGIC AIR TWO ZONE PRE-PLUMBED CYLINDERS WITH LOW LOSS HEADER | | | |
|--|--|--|--|
| LOGIC AIR DHW CYL PP 210 CBOX LL 2Z SL | LOGIC AIR DHW CYL PP 210 CBOX LL 2Z | LOGIC AIR DHW CYL PP 250 CBOX LL 2Z | LOGIC AIR DHW CYL PP 300 CBOX LL 2Z |
| 236205 | 236200 | 236201 | 236202 |
| LOGIC AIR SINGLE ZONE PRE-PLUMBED CYLINDERS | | | |
| LOGIC AIR DHW CYL PP 150 CBOX 1Z SL | LOGIC AIR DHW CYL PP 180 CBOX 1Z SL | LOGIC AIR DHW CYL PP 150 CBOX 1Z | LOGIC AIR DHW CYL PP 180 CBOX 1Z |
| 236203 | 236204 | 236198 | 236199 |
| PRE-PLUMBED DHW CYLINDERS WITH INTEGRATED BUFFER - SINGLE ZONE | | | |
| LOGIC AIR DHW CYL PP 180 CBOX BUFF 1Z | LOGIC AIR DHW CYL PP 210 CBOX BUFF 1Z | LOGIC AIR DHW CYL PP 250 CBOX BUFF 1Z | LOGIC AIR DHW CYL PP 300 CBOX BUFF 1Z |
| 236206 | 236208 A | 236210 | 236212 |

LOGIC AIR



Scan me for full technical specification

SINGLE ZONE PRE-PLUMBED CYLINDER

The pre-plumbed cylinder range includes models with an integrated buffer. Housing the DHW cylinder and separate buffer tank in the same case, alongside pre-wired circulation pumps and all the standard pre-plumbing components.



INDUSTRY LEADING REHEAT TIMES

KEY FEATURES

- ✓ Fully Pre-Plumbed and Pre-Wired
- ✓ Control box included
- ✓ 25 year warranty*
- ✓ UK Dimensions: Standard & Slimline
- ✓ Highly efficient multi-coil heat exchanger



LOGIC AIR



Scan me for full technical specification

TWO ZONE PRE-PLUMBED CYLINDER

The pre-plumbed cylinder range includes models with an integrated buffer. Housing the DHW cylinder and separate buffer tank in the same case, alongside pre-wired circulation pumps and all the standard pre-plumbing components.



**DESIGNED
TO FIT IN UK
HOMES**

KEY FEATURES

- ✓ Fully Pre-Plumbed and Pre-Wired
- ✓ Control box included
- ✓ 25 year warranty*
- ✓ UK Dimensions: Standard & Slimline
- ✓ Highly efficient multi-coil heat exchanger



HALO AIR

ROOM THERMOSTAT



Scan me for full technical specification

Halo Air is a programmable room thermostat, based on the current Ideal Halo platform that is designed and developed to work seamlessly with the new Logic Air monobloc heat pump.

KEY FEATURES

- ✓ Designed for Logic Air
- ✓ Easy to install
- ✓ Full heating and hot water control
- ✓ Load compensating control



HALO AIR RF 234790



Halo Air RF is a wireless programmable room thermostat designed specifically to work with Logic Air.

Halo Air offers fast, flexible and intelligent wireless technology and is packed with features that enable simple and easy heating and hot water control.

*2 year parts and labour warranty available when registered within 30 days of installation. Terms and conditions apply.

HALO AIR WI-FI

234819



Halo Air Wi-Fi is engineered specifically to work with Logic Air heat pumps and allows flexible control of heating and hot water with the intuitive Halo app, which can be connected through smart home devices like Amazon Alexa and Google Home.

It's simple to install, straightforward for everyone to use, no matter where they are.

*2 year parts and labour warranty available when registered within 30 days of installation. Terms and conditions apply.

HALO AIR 2-ZONE RF

234792



Halo Air 2-Zone RF incorporates an additional programmable room thermostat with the extra functionality of controlling the temperature of a second zone.

*2 year parts and labour warranty available when registered within 30 days of installation. Terms and conditions apply.

HALO AIR 2-ZONE WI-FI

234791



Halo Air 2-Zone Wi-Fi incorporates an additional programmable room thermostat with the extra functionality of controlling the temperature of a second zone.

*2 year parts and labour warranty available when registered within 30 days of installation. Terms and conditions apply.

LOGIC AIR



CONTROL BOX

The Logic Air control box is the central hub for the heat pump system, linking the heat pump to your heating and hot water cylinder. It enables in depth control, scheduling, connectivity and performance diagnostics.

INBUILT HEAT PUMP CONTROLLER

Our inbuilt controller uses tried and tested technology to keep you warm efficiently. From scheduling to diagnostics our controller gives you control and transparency.

QUICK START SET UP

Our new quick start menu makes commissioning fast, easy and accurate. In just a few steps the heat pump can be up and running and tuned to its most efficient parameters.

HYBRID READY

For installations that require a heat pump and a boiler, the Logic Air control box brings a boiler and heat pump together seamlessly.

CONNECTIVITY

The Logic Air control box is compatible with Halo Air, Link Cellular heat pump diagnostics and 3rd party thermostats, giving you access to online control, scheduling and remote diagnostics from anywhere in the world.



SMART GRID COMPATIBLE / SOLAR PV COMPATIBLE

The Logic Air control box is smart grid ready and can connect to solar PV, enabling smarter ways of powering heating and hot water.

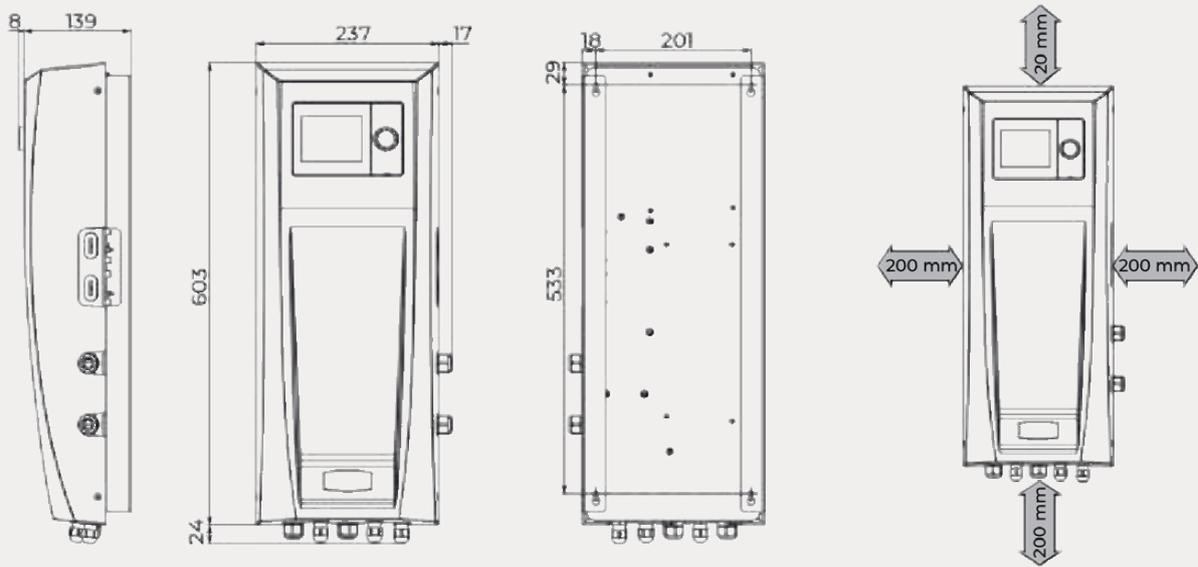
PERFORMANCE DIAGNOSTICS

The Logic Air control box gives you access to the efficiency of the householders heating system, helping them to understand the health of their heat pump system at a glance.

| CONTROL BOX | | |
|-------------------------------------|-----|---------|
| Physical properties | | |
| Weight | kg | 5 |
| Height | mm | 627 |
| Width | mm | 254 |
| Depth | mm | 147 |
| ELECTRICAL PROPERTIES | | |
| IP rating | IP | 20 |
| Rated voltage | VAC | 220-240 |
| Maximum rated current (control box) | A | 1 |
| Maximum rated current (contactor) | A | 16 |
| Rated power input (control box) | W | 100 |
| Rated power input (contactor) | W | 3000 |

CLEARANCES & DIMENSIONS

All Dimensions in **mm**



ALFEA EXTENSA

A.I. R32

HEAT PUMP 5 6 8 10 kW



Scan me for full technical specification

The Ideal Alfea uses intelligent technology to redefine how we heat our homes. Our new refrigerant balances industry-leading efficiencies with an ultra-low environmental impact, using patented technology to match performance with reliability.



KEY FEATURES

- ✓ Suitable for new build, social housing and retrofit
- ✓ ERP A+++
- ✓ Quiet noise level: 35 dB(A)
- ✓ 474% rated efficiency (COP)
- ✓ R32 refrigerant

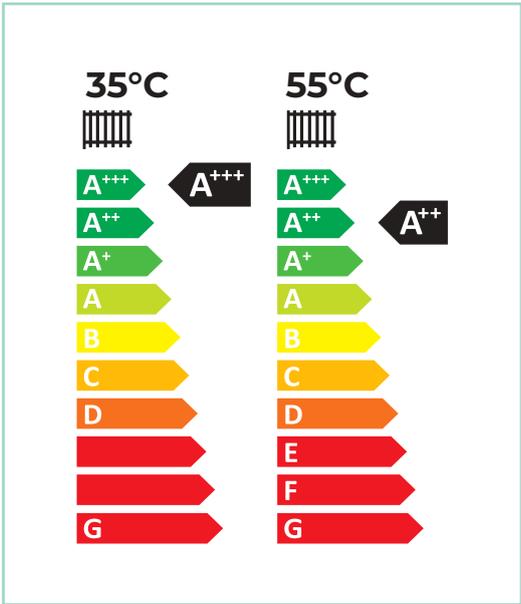


ENGINEERED FOR RELIABILITY

The Alfea A.I. range has a patented coaxial heat exchanger, a unique technology that has been developed to maximise the heat pump's performance.

This enables us to achieve unrivalled reliability and drives up efficiency. Our heat exchanger uses large water ways and tube in tube technology to ensure really good flow rates. We then capture all the energy from the heat exchanger by immersing it into our buffer tank and combining it with our backup immersion to speed up installation time and free up space.

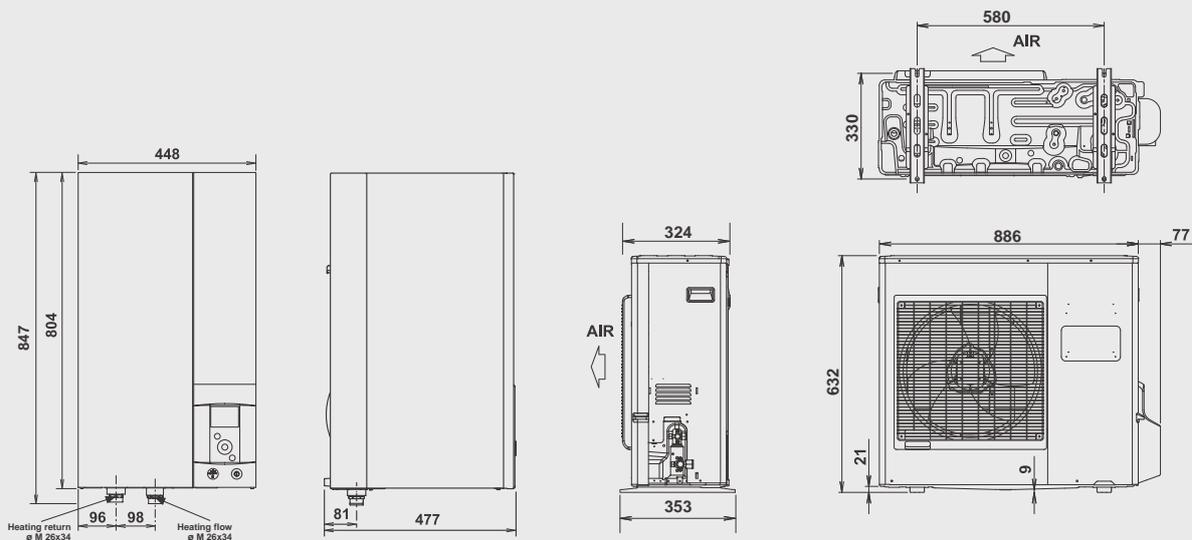
The Ideal Alfea heat pump is redefining how we heat our homes, providing low carbon heating that is efficient, reliable, and effortlessly simple to use.



A+++ EFFICIENCY RATING

CLEARANCES & DIMENSIONS

All Dimensions in **mm**



ALFEA EXCELLIA

A.I. R410A

HEAT PUMP 11 14 16 kW



Scan me for full technical specification

The Ideal Alfea Excellia uses intelligent control to redefine how we heat our homes. With outputs suitable for larger homes or retrofit installations and patented heat exchanger technology the Alfea Excellia combines performance and reliability.

KEY FEATURES

- ✓ Suitable for new build, social housing and retrofit
- ✓ ERP A++
- ✓ Quiet noise level: 47 dB(A)
- ✓ 425% rated efficiency (COP)
- ✓ R32 refrigerant



ENGINEERED FOR RELIABILITY

The Alfea A.I. range has a patented coaxial heat exchanger, a unique technology that has been developed to maximise the heat pump's performance.

This enables us to achieve unrivalled reliability and drives up efficiency. Our heat exchanger uses large water ways and tube in tube technology to ensure really good flow rates. We then capture all the energy from the heat exchanger by immersing it into our buffer tank and combining it with our backup immersion to speed up installation time and free up space.

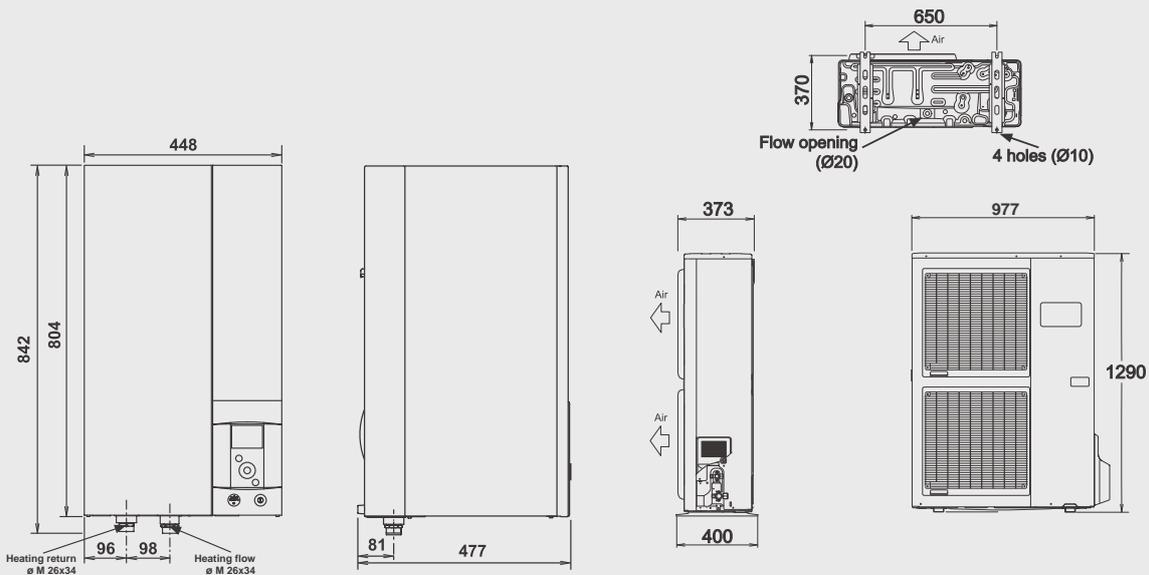
The Ideal Alfea heat pump is redefining how we heat our homes, providing low carbon heating that is efficient, reliable, and effortlessly simple to use.



A++ EFFICIENCY RATING

CLEARANCES & DIMENSIONS

All Dimensions in **mm**



LOGIC COMBI

BOILER 24 30 35 kW



Scan me for full technical specification

Available in a choice of three outputs of 24, 30 and 35 kW, the Logic Combi range of combination boilers from Ideal Heating, provides a hassle free and simple solution for today's social housing market.

2+ YEARS WARRANTY*

KEY FEATURES

- ✓ Flexible warranties available, 2 years as standard
- ✓ Compact cupboard fit
- ✓ Easy to see pressure gauge
- ✓ Digital display
- ✓ Frost protection
- ✓ Opentherm ready
- ✓ Flue variants
- ✓ LPG conversion^{††}
- ✓ NOx class 6
- ✓ ErP compliant



**ADD A WEATHER
COMPENSATION KIT FOR
GREATER EFFICIENCY**

OVERVIEW

Our new Logic Combi boilers are quick and easy to install in social housing, fitting easily into a standard kitchen cupboard. With flexible warranty options*, the Logic Combi is fully ErP compliant, compatible with other green heating technologies and has an intelligent preheat function to reduce household energy consumption. Available in outputs of 24, 30 and 35kW.

This evolution retains everything you love about the current Logic, but with a range of new features and components that make it even easier for your engineers to install, service and maintain.

Integrate Logic with Link Cellular our remote boiler monitoring solution for greater control of your maintenance costs, compliance and tenant welfare.

AWARD WINNING BOILERS

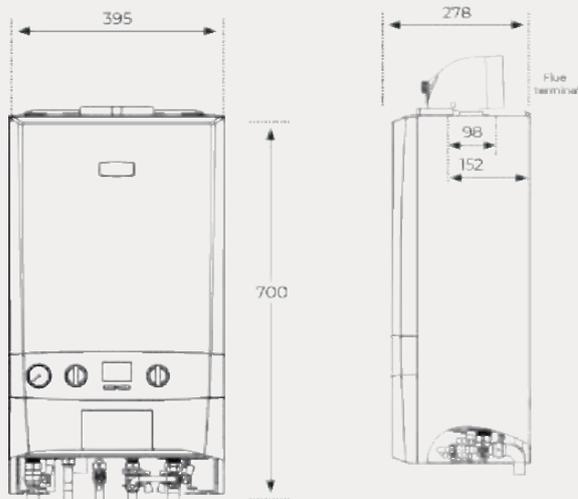
Our boilers have been awarded Good Housekeeping Reader Recommended status seven years in a row. For ease of use and low noise levels amongst other outstanding product details that left customers wanting to recommend Ideal Heating to their friends and families.



| SAP INDEX | PRODUCT CODE | BRAND NAME | MODEL NAME | NOx Emissions (mg/kWh) | NOx Class |
|-----------|--------------|---------------|----------------|------------------------|-----------|
| 019006 | 228307 | Ideal Heating | Logic Combi 24 | 28 | Class 6 |
| 019007 | 228308 | Ideal Heating | Logic Combi 30 | 25 | Class 6 |
| 019008 | 228309 | Ideal Heating | Logic Combi 35 | 30 | Class 6 |

CLEARANCES & DIMENSIONS

All Dimensions in mm



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.

*2 year warranty subject to Terms and Conditions. † Please check kitchen cupboard size prior to installation. †† LPG Conversion kit available for H18kW, H24kW and H30kW model.

LOGIC COMBI FAULT CODES

| FAULT CODE | MEANING | RESOLUTION |
|-----------------------------|--|---|
| F 01 | Low Water Pressure | Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler still fails to operate please contact the social housing provider helpline. |
| F 02 | Flame Loss | 1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline. |
| F 03 | Fan Fault | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F 04 L 04 | Flow Thermistor | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F 05 L 05 | Return Thermistor | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F 06 | Outside Sensor Failure | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F 07 | Low Mains Voltage | Contact a qualified electrician or your electricity provider. |
| F 09 L 09 | Unconfigured PCB | Unconfigured PCB. Please contact the social housing provider helpline. |
| L 01 | Flow Temperature Overheat or No Water Flow | Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler fails to operate please contact the social housing provider helpline. |
| L 02 | Ignition Lockout | 1. Check condensate Pipe for blockages (see to section 4 of installation guide). 2. Check other gas appliances in the house are working to confirm a supply is present in the property. 3. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline. |
| L 06 | False Flame Lockout | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| L OC | 5 Boiler Resets in 15 minutes | 1. Turn electrical supply to boiler off and on. 2. If the boiler fails to operate please contact the social housing provider helpline. |
| F OU | Flow/Return Differential > 50°C | If the boiler fails to operate please contact the social housing provider helpline. |
| dU | Diverter Valve in midposition for service | Rotate all knobs fully clockwise, turn boiler power off and on then press restart. |
| F OC | Hot water thermistor fault | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| L Od | Blocked flue or condensate | If the boiler fails to operate please contact the social housing provider helpline. |
| F Ot | Room thermostat fault | If the boiler fails to operate please contact the social housing provider helpline. |
| F 10 | Spark generator fault | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F 12 | Pump rotor blocked | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F 13 or F 15 or F 17 | Pump fault | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F 14 | High mains voltage | Contact a qualified electrician or your electricity provider. |
| F 16 | Gas valve fault | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |

TESTIMONIAL
CITY OF YORK COUNCIL

“We have partnered with Ideal Heating for many years now, the whole offering from Ideal Heating is of the highest level with great products and back up service other companies have struggled to compete with.”

ideal
HEATING



LOGIC
COUNCIL 1234 5678

LOGIC HEAT

BOILER 12 15 18 24 30 kW



Scan me for full technical specification

Available in the choice of five outputs - 12, 15, 18, 24 & 30kW, the Logic Heat will deliver total home comfort for a wide range of domestic properties.

2+ YEARS WARRANTY*

KEY FEATURES

- ✓ Flexible warranties available, two years as standard
- ✓ Compact cupboard fit
- ✓ Digital display
- ✓ Frost protection
- ✓ Rear flue output option
- ✓ Opentherm ready
- ✓ Flue variants
- ✓ LPG conversion^{††}
- ✓ NOx class 6
- ✓ ErP compliant



**OPENTHERM
READY**

OVERVIEW

Suitable for open vent and sealed systems, the Logic Heat boiler is straightforward to site and install. Benefiting from no compartment ventilation, compact fit, and a lightweight design means the boiler can be neatly installed out of sight into a kitchen cupboard†. Installers have the further choice of a neat direct rear flue option as required, helping to speed up the installation in retrofit situations even further.

High SEDBUK efficiency rated and capability of modulating down to 4.8kW**, the Logic Heat is highly efficient and easy to operate thanks to straightforward controls featuring a clear digital display.

The Logic Heat is a reliable and efficient heat only solution for domestic installations.

THE PERFECT SYSTEM

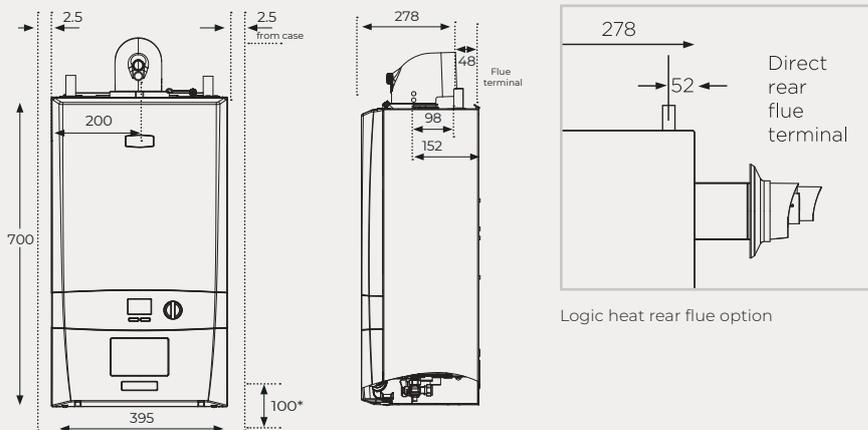
The Logic Heat boiler is the perfect match for the new Ideal Pre-Plumbed H cylinder. As with all Ideal products, you can be assured reliability is engineered, through quality design and testing, supported by a 25 year cylinder warranty.

Our range of pre-plumbed cylinders have been created specifically for the new build market. They offer a 'plug and play' solution which reduces installation time and standardises plumbing configuration across multiple dwelling sites.

| SAP INDEX | PRODUCT CODE | BRAND NAME | MODEL NAME | NOx Emissions (mg/kWh) | NOx Class |
|-----------|--------------|---------------|----------------|------------------------|-----------|
| 19040 | 228385 | Ideal Heating | Logic Heat H12 | 10 | Class 6 |
| 19041 | 228386 | Ideal Heating | Logic Heat H15 | 21 | Class 6 |
| 19042 | 228387 | Ideal Heating | Logic Heat H18 | 24 | Class 6 |
| 19043 | 228388 | Ideal Heating | Logic Heat H24 | 28 | Class 6 |
| 19044 | 228389 | Ideal Heating | Logic Heat H30 | 24 | Class 6 |

CLEARANCES & DIMENSIONS

All Dimensions in mm



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.

Logic heat rear flue option

*2 year warranty subject to Terms and Conditions † Please check kitchen cupboard size prior to installation.
 †† LPG Conversion kit available for H18kW H24kW and H30kW models. ** (30kW only - 6.1kW).

LOGIC HEAT FAULT CODES

| FAULT CODE | MEANING | RESOLUTION |
|----------------|--|---|
| F01 | Low Water Pressure | Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler still fails to operate please contact the social housing provider helpline. |
| F02 | Flame Loss | 1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline. |
| F03 | Fan Fault | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F04 L04 | Flow Thermistor | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F05 L05 | Return Thermistor | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F06 | Outside Sensor Failure | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F07 | Low Mains Voltage | Contact a qualified electrician or your electricity provider. |
| F09 L09 | Unconfigured PCB | Unconfigured PCB. Please contact the social housing provider helpline. |
| L01 | Flow Temperature Overheat or No Water Flow | Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler fails to operate please contact the social housing provider helpline. |
| L02 | Ignition Lockout | 1. Check condensate Pipe for blockages (see to section 4 of installation guide). 2. Check other gas appliances in the house are working to confirm a supply is present in the property. 3. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline. |
| L06 | False Flame Lockout | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| L0C | 5 Boiler Resets in 15 minutes | 1. Turn electrical supply to boiler off and on. 2. If the boiler fails to operate please contact the social housing provider helpline. |
| L0d | Negative Differential Flow/Return Thermistor | If the boiler fails to operate please contact the social housing provider helpline. |
| F0U | Flow/Return Differential > 50°C | If the boiler fails to operate please contact the social housing provider helpline. |
| dU | Diverter Valve in midposition for service | Rotate all knobs fully clockwise, turn boiler power off and on then press restart. |

TESTIMONIAL
BEDFORD
PILGRIMS HOUSING
ASSOCIATION

*“We have specified
Ideal Logic boilers
for the past 6 years.”*

“The ease of maintaining and servicing the boilers has been backed by our heating contractor.”

“The standard in boiler quality is very high, and even during Covid-19 with some manufacturing shutdowns throughout the industry, we did not see a supply shortage from Ideal Heating and the standard in quality was not compromised.”

“We have been contacted by other manufacturers in this time, but the quality and service received from Ideal Heating has not been matched by other manufacturers.”

LOGIC SYSTEM

BOILER 15 18 24 30 kW



Scan me for full technical specification

High ErP efficiency rating and easy to install, the Logic System range of appliances from Ideal Heating provide a simple and reliable solution for a wide variety of sealed domestic systems.

2+ YEARS WARRANTY*

KEY FEATURES

- ✓ 2 years warranty as standard
- ✓ Compact cupboard fit
- ✓ Easy to see pressure gauge
- ✓ Digital display
- ✓ Frost protection
- ✓ Opentherm ready
- ✓ Flue variants
- ✓ LPG conversion^{††}
- ✓ NOx class 6
- ✓ ErP compliant



**EASY TO
SEE PRESSURE
GAUGE**

OVERVIEW

Available in a choice of four outputs - 15, 18, 24 and 30kW, the Logic System provides a dependable and efficient solution for new installations. Siting and installing a Logic System is hassle free thanks to a simple telescopic flue option.

Time saving fast fix flue turret connections and a wide range of alternative flueing solutions help to ensure the product is installed quickly and efficiently in virtually any domestic situation.

With a lightweight design, concealed connections at the base and no compartment ventilation required, the Logic System can be conveniently fitted out of sight into a standard kitchen cupboard†.

The Logic System boiler provides simple heating control, all from a single compact appliance.

THE PERFECT HEAT ONLY SYSTEM

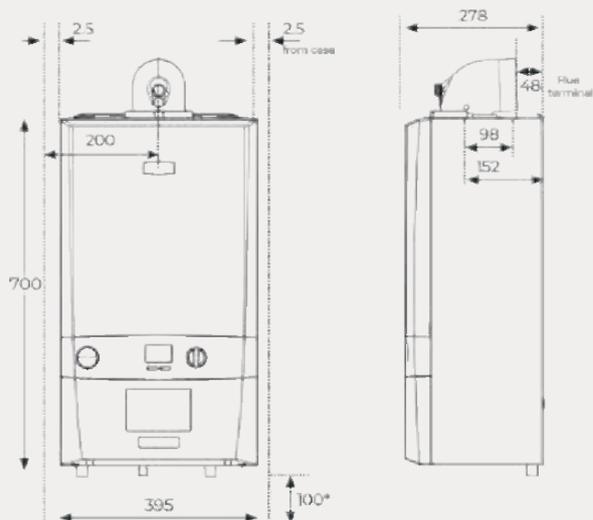
The Logic System boiler is the perfect match for the new Ideal Pre-Plumbed H cylinder. As with all Ideal products, you can be assured reliability is engineered, through quality design and testing, supported by a 25 year cylinder warranty.

Our range of pre-plumbed cylinders have been created specifically for the new build market. They offer a 'plug and play' solution which reduces installation time and standardises plumbing configuration across multiple dwelling sites.

| SAP INDEX | PRODUCT CODE | BRAND NAME | MODEL NAME | NOx Emissions (mg/kWh) | NOx Class |
|-----------|--------------|---------------|------------------|------------------------|-----------|
| 19045 | 228352 | Ideal Heating | Logic System S15 | 21 | Class 6 |
| 19046 | 228353 | Ideal Heating | Logic System S18 | 24 | Class 6 |
| 19047 | 228354 | Ideal Heating | Logic System S24 | 28 | Class 6 |
| 19048 | 228355 | Ideal Heating | Logic System S30 | 26 | Class 6 |

CLEARANCES & DIMENSIONS

All Dimensions in mm



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.

*2 year warranty subject to Terms and Conditions. † Please check kitchen cupboard size prior to installation. †† LPG Conversion kit available for H18kW, H24kW and H30kW model.

LOGIC SYSTEM FAULT CODES

| FAULT CODE | MEANING | RESOLUTION |
|----------------|--|---|
| F01 | Low Water Pressure | Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler still fails to operate please contact the social housing provider helpline. |
| F02 | Flame Loss | 1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline. |
| F03 | Fan Fault | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F04 L04 | Flow Thermistor | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F05 L05 | Return Thermistor | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F06 | Outside Sensor Failure | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F07 | Low Mains Voltage | Contact a qualified electrician or your electricity provider. |
| F09 L09 | Unconfigured PCB | Unconfigured PCB. Please contact the social housing provider helpline. |
| L01 | Flow Temperature Overheat or No Water Flow | Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler fails to operate please contact the social housing provider helpline. |
| L02 | Ignition Lockout | 1. Check condensate Pipe for blockages (see to section 4 of installation guide). 2. Check other gas appliances in the house are working to confirm a supply is present in the property. 3. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline. |
| L06 | False Flame Lockout | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| L0C | 5 Boiler Resets in 15 minutes | 1. Turn electrical supply to boiler off and on. 2. If the boiler fails to operate please contact the social housing provider helpline. |
| L0d | Negative Differential Flow/Return Thermistor | If the boiler fails to operate please contact the social housing provider helpline. |
| F0U | Flow/Return Differential > 50°C | If the boiler fails to operate please contact the social housing provider helpline. |



LOGIC COMBI ESP1

BOILER 24 30 35 kW



Scan me for full technical specification

Available in a choice of three outputs of 24, 30 and 35kW, the Logic Combi ESP1 range of combination boilers from Ideal Heating, provides a hassle free and simple solution for today's new build market.

2+ YEARS WARRANTY*

KEY FEATURES

- ✓ Flexible warranties available, 2 years as standard
- ✓ Compact cupboard fit
- ✓ Easy to see pressure gauge
- ✓ Digital display
- ✓ Frost protection
- ✓ Opentherm ready
- ✓ Flue variants
- ✓ LPG conversion^{††}
- ✓ NOx class 6
- ✓ ErP compliant
- ✓ High SAP ratings, making it easier to achieve your required TER



**ADD A WEATHER
COMPENSATION KIT FOR
GREATER EFFICIENCY**

OVERVIEW

Complementing the existing Logic range, the Logic Combi ESP1 design is optimised for compliance following appropriate SAP process.

A quick installation is assured thanks to a wide range of flueing options, fast fix flue turret connections and no need for compartment ventilation allowing this product to be installed out of sight in a standard kitchen cupboard†.

The Logic Combi ESP1 is fully modulating, built with tried and tested technology.

Featuring a simple diagnostics display, the Logic Combi ESP1 range is compatible with a range of optional timers for the ultimate in control and peace of mind.

AWARD WINNING BOILERS

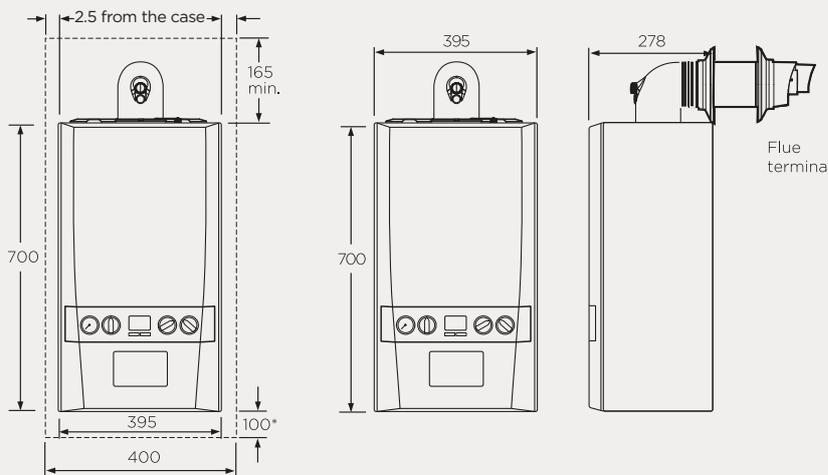
Our boilers have been awarded Good Housekeeping Reader Recommended status seven years in a row. For ease of use and low noise levels amongst other outstanding product details that left customers wanting to recommend Ideal Heating to their friends and families.



| SAP INDEX | PRODUCT CODE | BRAND NAME | MODEL NAME | NOx Emissions (mg/kWh) | NOx Class |
|-----------|--------------|---------------|---------------------|------------------------|-----------|
| 17955 | 215428 | Ideal Heating | Logic Combi ESP1 24 | 28 | Class 6 |
| 17956 | 215429 | Ideal Heating | Logic Combi ESP1 30 | 25 | Class 6 |
| 17929 | 215430 | Ideal Heating | Logic Combi ESP1 35 | 30 | Class 6 |

CLEARANCES & DIMENSIONS

All Dimensions in mm



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.

*2 year warranty subject to Terms and Conditions. † Please check kitchen cupboard size prior to installation. †† LPG Conversion kit available for 30kW & 35kW models.

LOGIC COMBI ESPI FAULT CODES

| FAULT CODE | MEANING | RESOLUTION |
|------------------|--|---|
| F 01 | Low Water Pressure | Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler still fails to operate please contact the social housing provider helpline. |
| F 02 | Flame Loss | 1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline. |
| F 03 | Fan Fault | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F 04 L 04 | Flow Thermistor | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F 05 L 05 | Return Thermistor | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F 06 | Outside Sensor Failure | Restart the appliance - if the boiler fails to operate please contact then contact the social housing provider helpline. |
| F 07 | Low Mains Voltage | Contact a qualified electrician or your electricity provider. |
| F 09 | Unconfigured PCB | Unconfigured PCB. Please contact the social housing provider helpline. |
| L 01 | Flow Temperature Overheat or No Water Flow | Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler fails to operate please contact the social housing provider helpline. |
| L 02 | Ignition Lockout | 1. Check condensate Pipe for blockages (see to section 4 of installation guide). 2. Check other gas appliances in the house are working to confirm a supply is present in the property. 3. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline. |
| L 06 | False Flame Lockout | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| L OC | 5 Boiler Resets in 15 minutes | 1. Turn electrical supply to boiler off and on. 2. If the boiler fails to operate please contact the social housing provider helpline. |
| F OU | Flow/Return Differential > 50°C | If the boiler fails to operate please contact the social housing provider helpline. |
| dU | Diverter Valve in midposition for service | Rotate all knobs fully clockwise, turn boiler power off and on then press restart. |



TESTIMONIAL
ASTER HOUSING GROUP

“We have been installing Ideal Heating for the past 10 years, specifically the Logic Standard and ESP1 range.”

“We receive a same day-next day response on our 5-year warranty work and training is provided on boilers as required for new engineers.”

“Over the last 12 months we have installed over 850 boilers having very few issues, the product related visit rate is less than 1.5% on over 5,000 boilers that are under warranty at any one time and because of this I would recommend the Ideal Logic boiler range.”

“We are to install over 1,300 Boilers a year in planned maintenance and social new build, with Ideal Logic being the majority of those Installations.”

LOGIC CODE COMBI ESP1

BOILER 26 33 38 kW



Scan me for full technical specification

Designed to take the headache out of meeting Building Regulations, the Logic Code Combi ESP1 from Ideal is a simple one box solution. Developed using state of the art advanced boiler technology, the ESP1 models optimise design for SAP and DER ratings.

2+ YEARS WARRANTY*

KEY FEATURES

- ✓ Flexible warranties available, 2 years as standard
- ✓ Compact cupboard fit
- ✓ Easy to see pressure gauge
- ✓ Digital display
- ✓ Frost protection
- ✓ Opentherm ready
- ✓ Flue variants
- ✓ LPG conversion†
- ✓ NOx class 6
- ✓ ErP compliant
- ✓ Passive flue gas heat recovery unit



**IDEAL HEATING'S
MOST EFFICIENT
BOILER RANGE**

OVERVIEW

Developed using state of the art advanced boiler technology, the Code Combi ESP1 features a built-in stainless steel passive flue gas heat recovery unit located in the flue exit, which cleverly picks up and recycles waste energy that would have normally been lost through the flue terminal.

This energy is collected and used to warm up the cold hot water supply. This supply, then flows into the plate heat exchanger, where the desired temperature is reached.

With a dedicated in-house design team and service network for developers and installers The Logic Code Combi ESP1, with its NOx class 6 rating and integral FGHR unit, takes the pressure, and cost, off meeting Building Regulations.

AWARD WINNING BOILERS

Our boilers have been awarded Good Housekeeping Reader Recommended status seven years in a row. For ease of use and low noise levels amongst other outstanding product details that left customers wanting to recommend Ideal Heating to their friends and families.



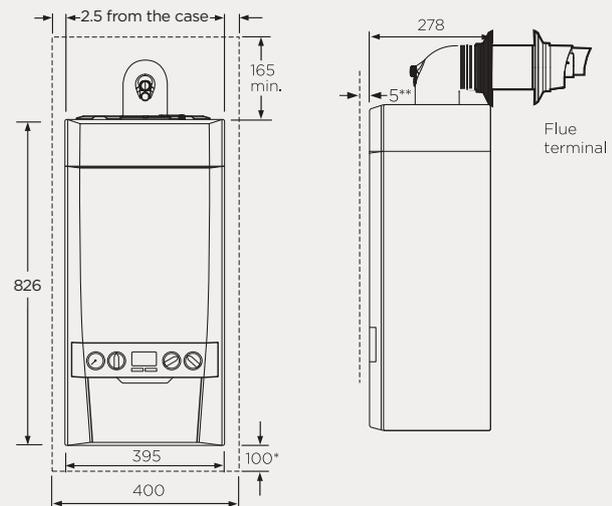
| SAP INDEX | PRODUCT CODE | BRAND NAME | MODEL NAME | NOx Emissions (mg/kWh) | NOx Class |
|-----------|--------------|---------------|--------------------------|------------------------|-----------|
| 018121 | 215735 | Ideal Heating | Logic Code Combi ESP1 26 | 24 | Class 6 |
| 018122 | 215736 | Ideal Heating | Logic Code Combi ESP1 33 | 25 | Class 6 |
| 018123 | 215737 | Ideal Heating | Logic Code Combi ESP1 38 | 32 | Class 6 |

HOW IT WORKS

- > Hot water tap is opened and boiler senses flow
- > Burner on
- > Combustion gases heat primary water heat exchanger and flue gases exit to the flue
- > Cold water from mains flows through the passive flue gas heat recovery unit in the flue
- > Energy from the flue gases is transferred to the incoming water
- > The cooled flue gases exit the boiler
- > Preheated water enters the boiler and is further heated by the DWH plate heat exchanger
- > Hot water is produced at the tap

CLEARANCES & DIMENSIONS

All Dimensions in mm



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.

† LPG Conversion kit available for 33kW & 38kW models. *2 year warranty subject to Terms and Conditions.

LOGIC CODE COMBI ESPI FAULT CODES

| FAULT CODE | MEANING | RESOLUTION |
|---------------------|--|---|
| F1 | Low Water Pressure | Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler still fails to operate please contact the social housing provider helpline. |
| F2 | Flame Loss | 1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline. |
| F3 | Fan Fault | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F4 L4 | Flow Thermistor | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F5 L5 | Return Thermistor | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F6 | Outside Sensor Failure | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| F7 | Low Mains Voltage | Contact a qualified electrician or your electricity provider. |
| F9 L9 | Unconfigured PCB | Unconfigured PCB. Please contact the social housing provider helpline. |
| L1 | Flow Temperature Overheat or No Water Flow | Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see section 3 of installation guide. If the boiler fails to operate please contact the social housing provider helpline. |
| L2 | Ignition Lockout | 1. Check condensate Pipe for blockages (see to section 4 of installation guide). 2. Check other gas appliances in the house are working to confirm a supply is present in the property. 3. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate please contact the social housing provider helpline. |
| L6 | False Flame Lockout | Restart the appliance - if the boiler fails to operate please contact the social housing provider helpline. |
| LC | 5 Boiler Resets in 15 minutes | 1. Turn electrical supply to boiler off and on. 2. If the boiler fails to operate please contact the social housing provider helpline. |
| FA | Negative Differential Flow/Return Thermistor | If the boiler fails to operate please contact the social housing provider helpline. |
| FU | Flow/Return Differential > 50°C | If the boiler fails to operate please contact the social housing provider helpline. |
| dU | Diverter Valve in midposition for service | Rotate all knobs fully clockwise, turn boiler power off and on then press restart. |



| BOILER MODEL | LOGIC COMBI | | | |
|-------------------------|--|-------------------------------------|------------|------------|
| | 24 | 30 | 35 | |
| SIZE | Casing dimensions (h w d)(mm) | | | |
| | Height | 700 | 700 | 700 |
| | Width | 395 | 395 | 395 |
| | Depth | 278 | 278 | 278 |
| | Weight (packed) kg | 32.8 | 33 | 33 |
| | Max installation weight kg | 28.5 | 28.6 | 28.6 |
| PERFORMANCE | 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 |
| CONSTRUCTION | 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 |
| INSTALLATION | 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 |
| CLEARANCES | 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** |
| USER INTERFACE | 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 |
| PIPES | 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 |
| FLUES | 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 |
| CONNECTIONS | 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 |
| | | | | |
| ErP EFFICIENCIES | 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 class % | 94 | 94 | 94 |
| | Sound power level, indoors LWA dB | 48 | 46 | 44 |
| | Water heating energy efficiency class | A | A | A |

LOGIC COMBI ESP1

| BOILER MODEL | LOGIC COMBI ESP1 | | | |
|--|------------------------------------|-------------------------------------|------------|------------|
| | 24 | 30 | 35 | |
| SIZE | 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 |
| PERFORMANCE | 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 |
| CONSTRUCTION | 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 |
| INSTALLATION | 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 |
| CLEARANCES | 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** |
| USER INTERFACE | 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 |
| PIPES | 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 |
| FLUES | 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 |
| CONNECTIONS | 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 |
| | ErP EFFICIENCIES | Condensing boiler | Yes | Yes |
| Seasonal space heating efficiency class | | A | A | A |
| Rated heat output kW | | 24 | 24 | 24 |
| Seasonal space heating energy efficiency class % | | 94 | 94 | 94 |
| Sound power level, indoors LWA dB | | 48 | 46 | 44 |
| Water heating energy efficiency class | | A | A | A |

* Can be reduced to 5mm. However, 100mm is required for servicing. ** Can be reduced to 5mm for cupboard fit, 450mm required for servicing.

LOGIC CODE COMBI ESP1

| BOILER MODEL | LOGIC CODE COMBI ESP1 | | | |
|-------------------------|---|-------------------------------------|------------|------------|
| | 26 | 33 | 38 | |
| SIZE | 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 |
| PERFORMANCE | 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 |
| CONSTRUCTION | 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 |
| INSTALLATION | 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 |
| CLEARANCES | 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** |
| USER INTERFACE | User display | Symbols | | |
| | User interface | 3 dials, 2 buttons | | |
| | Diagnostics | Fault diagnostic display | | |
| | User adjustable | Manual heating & hot water controls | | |
| | 'Eco' setting on CH | Yes | Yes | Yes |
| | Inbuilt programmer | Optional | Optional | Optional |
| PIPES | 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 |
| FLUES | 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 |
| CONNECTIONS | 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 |
| ErP EFFICIENCIES | 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 η_{s} % | 94 | 94 | 94 |
| | Sound power level, indoors L _{WA} dB | 49 | 47 | 44 |
| | Water heating energy efficiency class | A | A | A |

* Can be reduced to 5mm. However, 100mm is required for servicing. ** Can be reduced to 5mm for cupboard fit, 450mm required for servicing.

*2 Also available: High Level Flue Outlet Kit/Direct Rear Flue Kit (55/80). *3 For outputs exceeding 18kW (60,000Btu/h), 28mm primary pipework will be required.

| BOILER MODEL | LOGIC HEAT | | | | | |
|------------------------------|---|--------------------------------|-------------------|-------------------|-------------------|-------------------|
| | H12 | H15 | H18 | H24 | H30 | |
| SIZE | 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 |
| PERFORMANCE | 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 (2005) % | 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 | |
| CONSTRUCTION | 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 |
| INSTALLATION | Suitable for sealed systems | Yes | Yes | Yes | Yes | Yes |
| | 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 | |
| CLEARANCES | 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** |
| USER INTERFACE | User display | Symbols and simple text | | | | |
| | User interface | 1 dial and 2 buttons | | | | |
| | Diagnostics | Fault diagnosis display | | | | |
| | User adjustable | Manual heating control | | | | |
| | Inbuilt programmer | No | No | No | No | No |
| PIPES | Pre-piping kit | No | No | No | No | No |
| | Stand off kit | Yes | Yes | Yes | Yes | Yes |
| | Stand off kit inc. pipes. | No | No | No | No | No |
| | 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 |
| FLUES | 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 | |
| CONNECTIONS*3 | 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 |
| ErP EFFICIENCIES | 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 η_{s} % | 93.0 | 93.0 | 93.0 | 94.0 | 93.0 |
| | Sound power level, indoors L _{WA} dB | 36 | 42 | 44 | 50 | 50 |
| | Water heating energy efficiency class | N/A | N/A | N/A | N/A | N/A |

* Can be reduced to 5mm. However, 100mm is required for servicing. ** Can be reduced to 5mm for cupboard fit, 450mm required for servicing.

LOGIC SYSTEM

| BOILER MODEL | LOGIC SYSTEM | | | | |
|-------------------------|--|--------------------------------|------------|------------|------------|
| | S15 | S18 | S24 | S30 | |
| SIZE | 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 |
| PERFORMANCE | 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 (2005) % | 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 |
| CONSTRUCTION | 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 |
| INSTALLATION | Suitable for sealed systems | Yes | Yes | Yes | Yes |
| | Suitable for open-vent systems | No | No | No | No |
| | Filling loop | No | No | No | No |
| | Pre-wired mains lead | Yes | Yes | Yes | Yes |
| | 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 |
| CLEARANCES | Zero compartment ventilation | Yes | Yes | Yes | Yes |
| | Top (mm) (from top of boiler) | 165 | 165 | 165 | 165 |
| | Side (mm) | 2.5 | 2.5 | 2.5 | 2.5 |
| | Bottom (mm) | 100* | 100* | 100* | 100* |
| USER INTERFACE | Front (mm) | 450** | 450** | 450** | 450** |
| | User display | Symbols and simple text | | | |
| | User interface | 1 dial and 2 buttons | | | |
| | Diagnostics | Fault diagnosis display | | | |
| | User adjustable | Manual heating control | | | |
| | Inbuilt programmer | No | No | No | No |
| PIPES | Pre-piping kit | Yes | Yes | Yes | Yes |
| | Stand off kit | Yes | Yes | Yes | Yes |
| | Stand off kit inc. pipes. | Yes | Yes | Yes | Yes |
| | 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 |
| FLUES | 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 |
| CONNECTIONS*2 | 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 |
| ErP EFFICIENCIES | 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 s % | 93 | 93 | 94 | 93 |
| | Sound power level, indoors LWA dB | 42 | 44 | 50 | 50 |
| | Water heating energy efficiency class | N/A | N/A | N/A | N/A |

* Can be reduced to 5mm. However, 100mm is required for servicing. ** Can be reduced to 5mm for cupboard fit, 450mm required for servicing.

*2 Also available: High Level Flue Outlet Kit/Direct Rear Flue Kit (55/80). *3 For outputs exceeding 18kW (60,000Btu/h), 28mm primary pipework will be required.

HALO LITE RF

**PROGRAMMABLE ROOM THERMOSTATS
BOILERS ONLY**



Scan me for full technical specification

The Ideal Halo Lite RF is a single zone combi programmable room thermostat designed to benefit both landlords and tenants.

Boasting a large colour screen and easy to use button and dial interface. It has been tested to ensure it is intuitive and easy to understand.



2 YEARS WARRANTY*

KEY FEATURES

- ✓ Simple dial and button design
- ✓ Backlit colour screen with large text and icons
- ✓ Service timer function
- ✓ Designed with tenant input
- ✓ Boiler plus compliant
- ✓ Wireless
- ✓ Easy to install



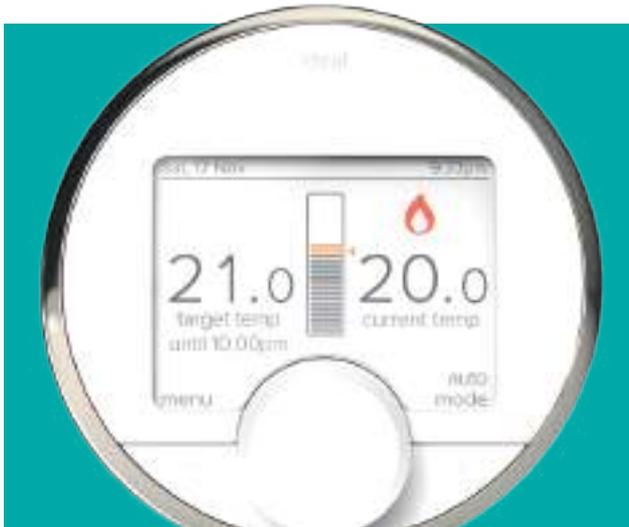
DESIGNED WITH TENANT INPUT

HALO

PROGRAMMABLE ROOM THERMOSTATS BOILERS ONLY



Scan me for full technical specification



HALO LITE RF 221528

The Ideal Halo Lite OpenTherm Wired Combi is a single zone combi programmable room Halo Lite comes with the same features and benefits as the Halo Lite RF, but in a wired configuration, reducing the need for battery maintenance.

HALO RF 222140

Halo RF is a wireless programme room thermostat, designed to work specifically with your Ideal Heating boiler. Halo RF offers you fast, flexible and intelligent wireless technology and is packed with a wide range of features that enable simple and easy heating control, this includes flexible scheduling, override, plus hours, fault notifications, holiday mode and a child lock.

Halo's compact and contemporary design makes it suitable for any home, either modestly mounted to the wall or discretely desktop mounted using the stand.

Halo RF comes in a Combi and Heat & System range.



**SIMPLE DIAL AND BUTTON
INTERFACE THAT'S EASY
FOR EVERYONE TO USE**

HALO WI-FI 222142

Halo Wi-Fi comes with the same benefits as the Halo RF, but with app-controlled heating, which gives you full control of your heating through your phone or device. Halo is also compatible with Amazon Alexa and Google Home, allowing you to control your heating and find out the temperature, all with your voice.

Halo Wi-Fi comes in a Combi and Heat & System range.



GEOLOCATION FOR LIFESTYLE BASED HEATING

HALO 2-ZONE EXTENSION KIT 222145

Enjoy the benefits of a multi-zone heating with the Halo 2-Zone Extension kit.

The Halo 2-Zone Extension kit is available for both Halo RF and Halo Wi-Fi, offering an extra level of heating control. Split your home into two separate zones of heating, setting a separate heating schedule and temperature range for the second zone.

So if you're spending your days downstairs, you can set your upstairs heating to come on later helping to save energy.

The Halo 2-Zone Extension kit is fully modulating on both heating zones, helping to save energy usage.

TAILORED HEATING OVER 2 ZONES



REMOTE MONITORING, ACTIONABLE INSIGHTS

The ability to access real time information from the Logic boiler, including performance data and fault codes, brings a whole new level of insight for those managing the heating and hot water demands of a large tenant population.

Designed in-house

Our Link range is developed in-house specifically for Ideal Heating boilers. This intimate understanding of both our boilers and Link platform enables us to provide a deeper level of insight, unlike 3rd party solutions.

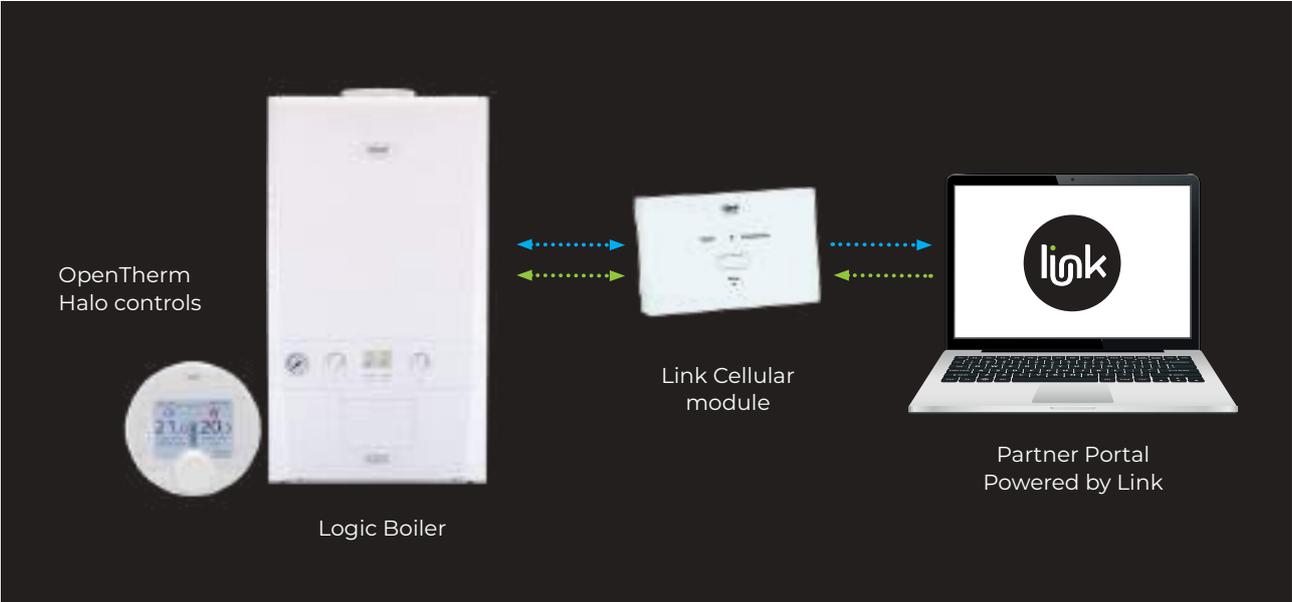
Our Link Cellular module contains a roaming SIM card that communicates to the Partner Portal using mobile phone technology. There's no monthly or yearly data subscription, Link Cellular is a one-off cost for 10 years of data.

Link Cellular can be installed with an OpenTherm controller such as Halo Lite or Halo Lite RF to offer you the greatest insight into the full heating ecosystem, allowing you to see current and target room temperatures.



LINK CELLULAR MODULE

Install in 5 minutes as no external wiring is required, simply plug the module into the aperture on the Logic2. The Link Cellular is powered by low voltage direct from the boiler.



THE PARTNER PORTAL.

Our purpose-built Partner Portal is designed to make managing your boiler fleet easier and more efficient. With increased loading speeds, all boiler data including faults is sent directly to the cloud, accessible by an unlimited number of user accounts with multiple role options available (admin, installer, user).

The Partner Portal APIs can be integrated into your existing IT systems seamlessly.



Through the Partner Portal you will have:

1. Full visibility of your boiler fleet with health data, service reminders and fault notifications displayed
2. Access to real time information from each boiler including performance data and fault codes with the ability to remote reset (when safe)
3. The ability to remotely adjust set point temperatures
4. Historical boiler data records to track and chart usage and performance over time

Actionable insights from the data

Understand tenant usage patterns and behaviours to identify and address unusual activity or possible fuel poverty

Fault codes displayed supporting 'first-fix' maintenance - understand the problem before an engineer visit

View boiler service status with service due notifications for effective management of engineer resource



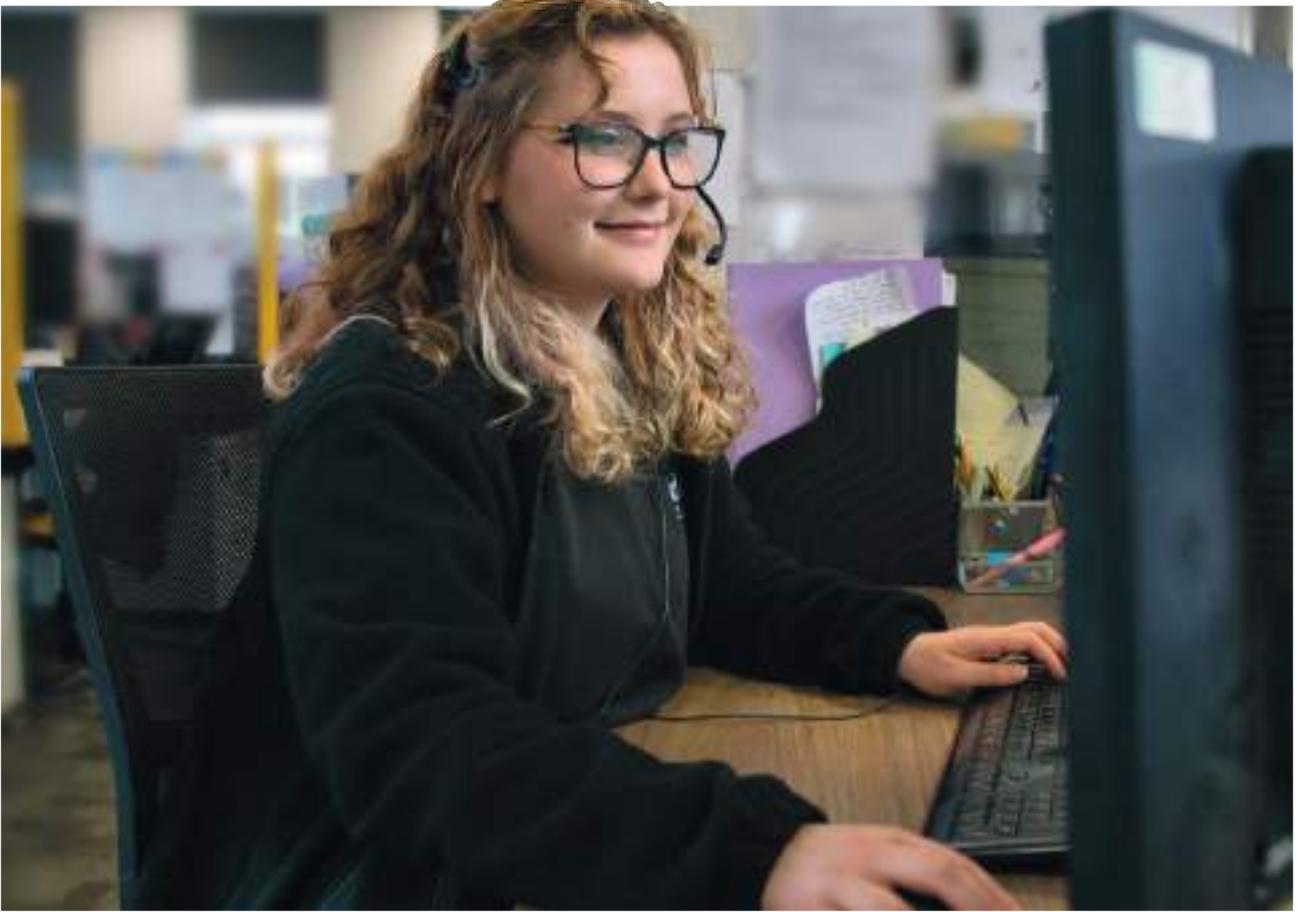
REMOTE MONITORING SOLUTION.

Our Link remote monitoring solution helps to support you as a social housing association across multiple areas:

- > **Efficiency**
Engineer and support centre resource
- > **Tenant welfare**
- > **Sustainability / environmental**
- > **Compliance**

Key features of our Partner Portal include:

- > Service reminders
- > Email alert and summaries
- > Full visibility including installation numbers and servicing status
- > Unlimited numbers of user accounts
- > Boiler fault & alarm history
- > History/time series data charts
- > API's to integrate the Partner Portal into existing IT systems



INDUSTRY LEADING CUSTOMER SERVICE



EXPERTS TOGETHER

We are committed to delivering the highest level of customer service. Experts together with over 140 years experience of heating and hot water, we know how important confidence and trust are to our customers.



364 DAYS A YEAR

We are is on hand to ensure you have the support you need. Our dedicated customer service department is available 364 days a year.



TEAM OF EXPERTS

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.

IDEAL PARTNERSHIP

ideal-partnership.co.uk

View your Ideal boiler installations from one convenient place. CSR credits are available to support your local community each time you register your development.

- > Access to warranty certificates and gas safe certification
- > Running balance of CSR contributions
- > Immediate access to warranty certification to verify if units are still within warranty period
- > Overview of installing contractor
- > Historic portfolio of Ideal housing stock
- > View your Ideal boiler installations from one convenient place.



Partnered with Ideal our independent 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 you keep ahead of the game. We can even promise any question will be answered within 24 hours.

CONTRACTOR CONNECT

Register your boiler for building regulations compliance with Gas Safe Register for FREE with Contractor Connect. Get instant warranty certificates and earn great Contract Support rebates.

- > Immediate access to download all warranty and Gas Safe certification
- > Ideal warranty registration and Gas Safe all in one easy process

- > Register your boiler for a FREE building regulations compliance with Gas Safe Register through your account.
- > Historic registrations at your fingertips
- > Registration of Heat Exchanger for 10 year warranty, if installed with an Ideal filter
- > Transmits data into sister portal for social client to access

contractor-connect.co.uk

DESIGN SERVICE

As part of our design service, our in-house design team will find the right products for your development, design your heating system to achieve the necessary SAP ratings and finally deliver this to you as a fully detailed system plan.

FIRST CLASS INDUSTRY TRAINING

IN-PERSON

Work face-to face with our Experts in Heating.

Work on our leading range of products in-person with training delivered from your premises.

LIVE VIRTUAL

Always live, presented by our Experts in Heating.

Our live virtual training allows you to complete quality training online, without the travel time and costs. We use a fully equipped filming studio to provide high definition and detailed views. You can ask questions to our Experts throughout.

ON-DEMAND 24/7

What you need, when and where you need it!

Request a personal training account to access our comprehensive range of training products available to access 24/7. Designed to help you learn when suits you as well as providing on the job support.

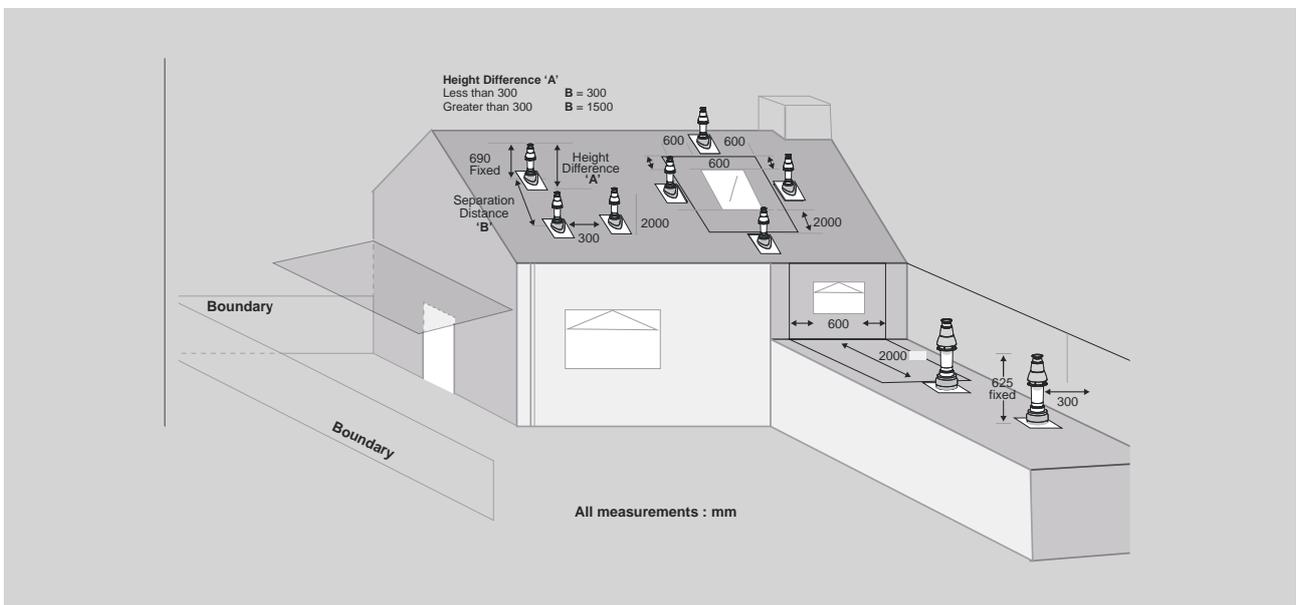
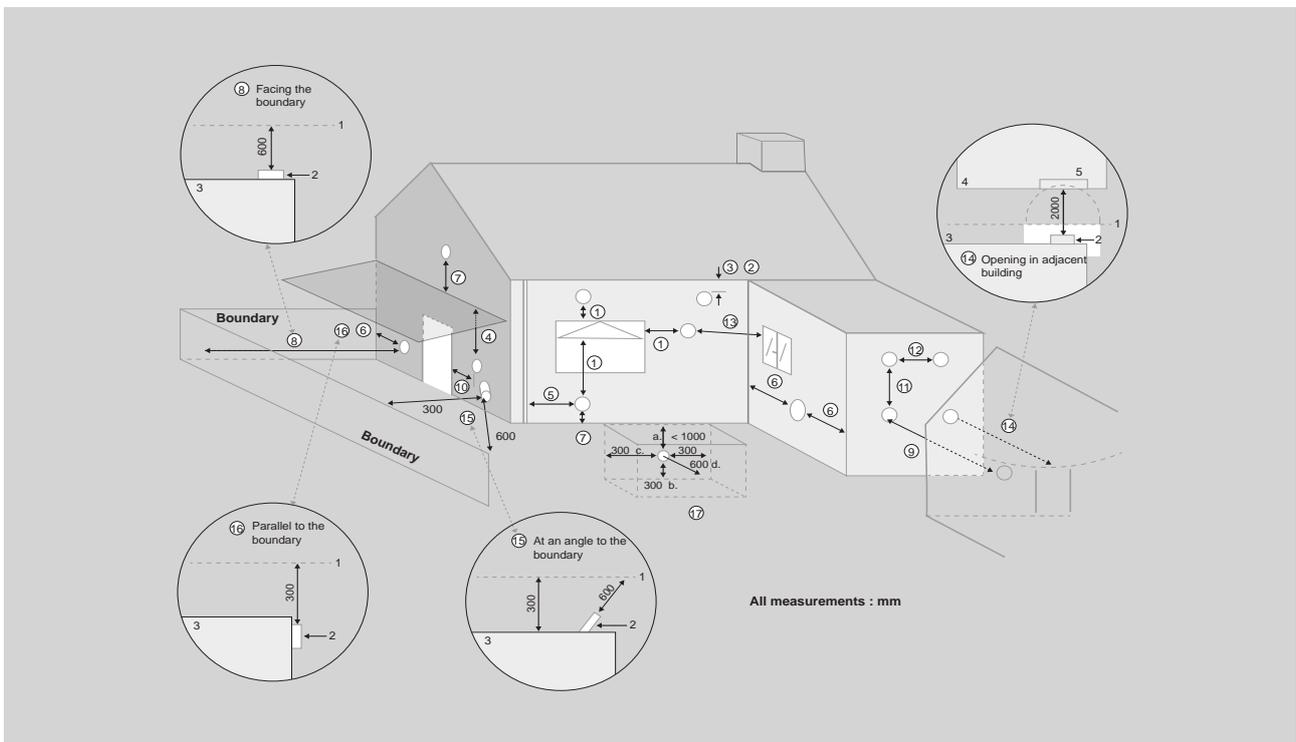


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see our training
courses



BOILER FLUE SITTING

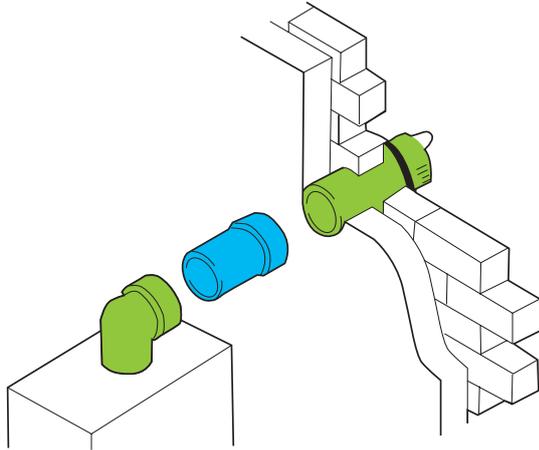
There are a substantial number of flue options available with the Ideal ranges, giving excellent siting flexibility for almost all applications. The range of options include standard and telescopic flues as well as roof flue and powered vertical flue options. To ensure siting issues are kept to a minimum, 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. 300 mm | 300mm |
| 2. Below guttering, drain pipes or soil pipes. | 75mm 25mm* |
| 3. Below eaves. | 200mm 25mm* |
| 4. Below balconies or car port roof. | 200mm 25mm* |
| 5. From vertical drain pipes or soil pipes. | 150mm 25mm* |
| 6. From an internal or external corner or to a boundary alongside the terminal. | 300mm 25mm* |
| 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 into dwelling. | 1200mm |
| 11. Vertically from a terminal on the same wall. | 1500mm |
| 12. Horizontally from a terminal wall. | 300mm |
| 13. Horizontally from an adjacent window | 600mm |
| 14. Facing an opening into an adjacent building | 2000mm |
| 15. At an angle to the boundary | 300mm 600mm |
| 16. Parallel to a boundary | 300mm |
| 17. Below ground level - open light well a) Below ground b) Above floor level c) From side d) From facing surface | <1,000 mm 300mm 300mm 600mm |

FLUE CONFIGURATIONS

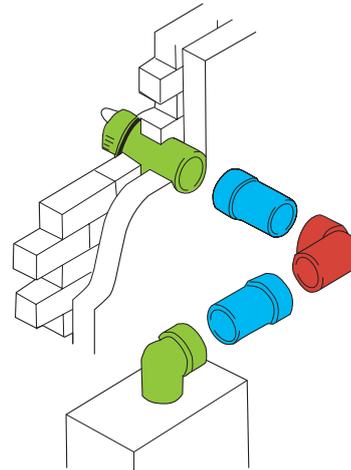
HORIZONTAL CONCENTRIC 100MM DIAMETER



| FLUE | PART NO. |
|-------------------------------------|----------|
| Horizontal flue non-telescopic 0.6m | 208171 |
| Flue extension 1m with bracket | 203129 |

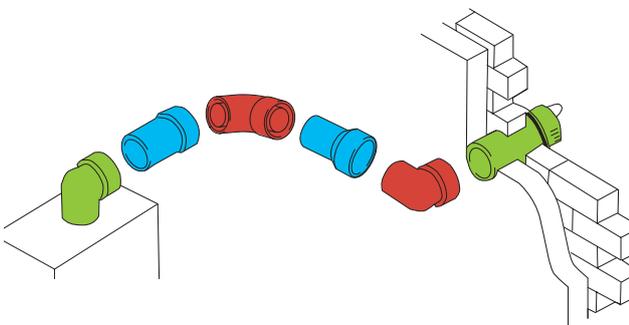
| ALTERNATIVE FLUE TERMINALS | PART NO. |
|-------------------------------------|----------|
| Horizontal flue telescopic 0.5m | 208169 |
| Horizontal flue telescopic 0.7m | 208174 |
| Horizontal flue non-telescopic 0.8m | 217442 |

HORIZONTAL FLUE WITH 1 X 90° BEND



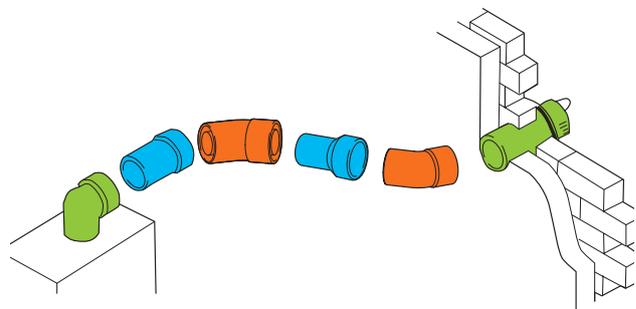
| FLUE | PART NO. |
|-------------------------------------|----------|
| Horizontal flue non-telescopic 0.6m | 208171 |
| Flue extension 1m with bracket | 203129 |
| Flue bend 90° | 203130 |

HORIZONTAL FLUE WITH 2 X 90° BEND



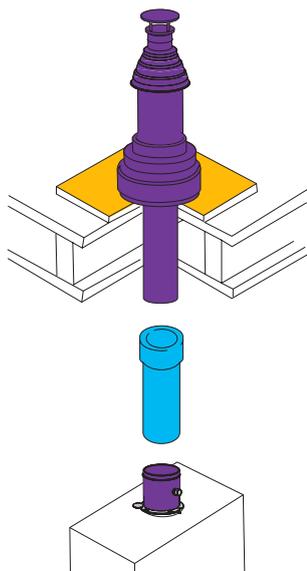
| FLUE | PART NO. |
|-------------------------------------|----------|
| Horizontal flue non-telescopic 0.6m | 208171 |
| Flue extension 1m with bracket | 203129 |
| Flue bend 90° | 203130 |

HORIZONTAL FLUE WITH 2 X 45° BEND



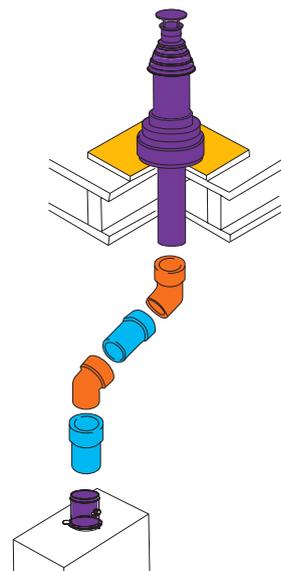
| FLUE | PART NO. |
|-------------------------------------|----------|
| Horizontal flue non-telescopic 0.6m | 208171 |
| Flue extension 1m with bracket | 203129 |
| Flue bend 45° pair | 203131 |

VERTICAL FLUE SYSTEM



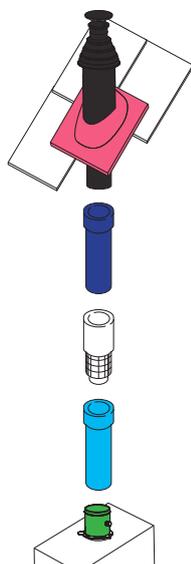
| FLUE | PART NO. |
|--------------------------------------|----------|
| Vertical flue terminal and connector | 211039 |
| Flue extension 1m with bracket | 203129 |
| Flat roof weather collar | 152259 |

ROOF FLUE SYSTEM WITH 2 X 45° BEND



| FLUE | PART NO. |
|--------------------------------------|----------|
| Vertical flue terminal and connector | 211039 |
| Flue extension 1m with bracket | 203129 |
| Flue elbow 45° pair (Ø60/100) | 203131 |
| Flat roof weather collar | 152259 |

VERTICAL FLUE WITH LOFT AIR INLET

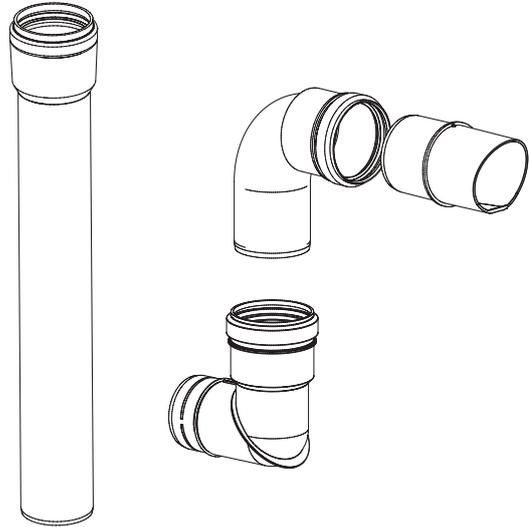


| FLUE | PART NO. |
|--------------------------------|----------|
| Air inlet for vertical flue | 203136 |
| Flue vertical connector | 208175 |
| Vertical flue terminal | 203134 |
| Weather collar pitched roof | 152258 |
| Flue extension 1m with bracket | 203129 |
| Flue extension 1m pair (Ø80mm) | 203142 |

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 is simple to retrofit if necessary.

An external 60mm diameter flue leads from the boiler terminal (which includes a 90° bend at the flue exit) to terminate with a 90° bend 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° bend are available to provide routing options.



The kit comprises:

- 1 x Flue bend
- 1 x 60mm flue exit bend
- 1 x 60mm horizontal flue exit
- 1 x 60mm x 500mm flue extension pipe

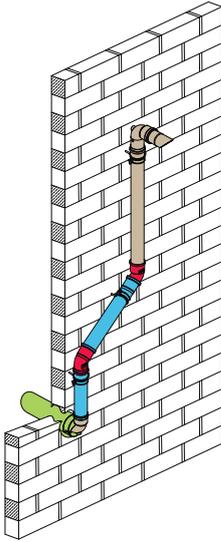
This kit is for use with horizontal non-telescopic and telescopic flue kits 208169, 208171, 208174 and 217442.

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

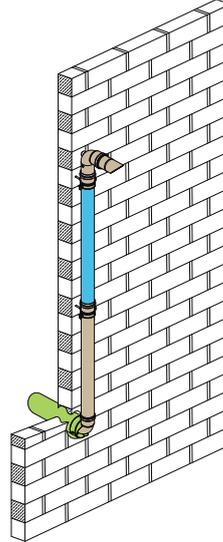
| FLUE | IDEAL PART NO. |
|--|----------------|
| Horizontal flue non-telescopic 0.6m | 208171 |
| High level flue outlet kit (Ø60mm) | 208178 |
| Flue extension 1m for high level flue outlet (Ø60mm) | 203228 |
| High level flue bend 90° (Ø60mm) | 203229 |
| High level flue bend 45° (Ø60mm) | 203230 |

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.



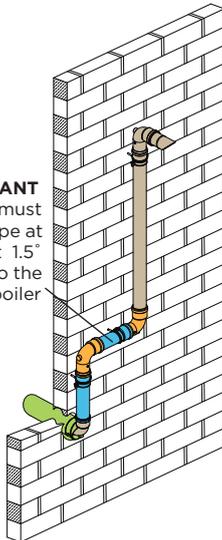
45° Left
or Right



Vertical

Horizontal
Left or
Right

IMPORTANT
Flue must
always slope at
least 1.5°
back to the
boiler

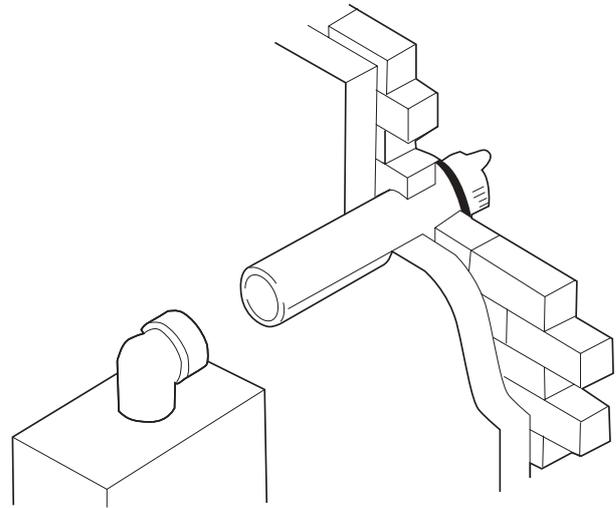
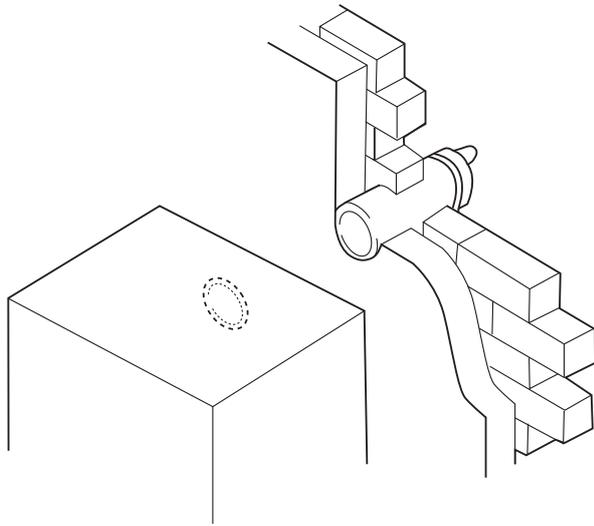


| RESISTANCE | METRES |
|------------------|--------|
| 90° elbow | 1.4 |
| 45° elbow (pair) | 1.25 |

NOTE: 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.

REAR FLUE & HIGH RISE FLUE OPTIONS

The Logic MAX Heat and Logic+ Heat both come with an optional rear flue outlet which means it can be installed directly behind the boiler rather than on top of it.



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. |
|----------------------------|----------|
| Flue finishing kit (55/80) | 206151 |

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

NOTE: Please refer to the installation and service manual for assistance in calculating flue lengths. For 1m extension and elbows use standard parts 203228/9 & 30.

HIGH RISE FLUE KIT

| FLUE | PART NO. |
|---------------------------------------|----------|
| Horizontal high rise flue (0.6m long) | 223629 |
| Horizontal high rise flue (1m long) | 224701 |
| Flue extension (1m) high rise | 224702 |
| Balcony kit high rise | 224703 |

NOTE: Similar to 208171 but with an aluminium flue duct and unpainted air duct to comply with the revised Building Regulations for buildings over 18m high.

HIGH RISE FLUE OPTIONS

When Building Regulations direct that combustible materials must not be used in the external walls of high-rise residential buildings, our high rise flues with an inner aluminium flue duct should be used.

Horizontal flue non-telescopic 0.6m (181-556mm)



Ideal part no. 208171

Horizontal flue non-telescopic 0.8m (601-816mm)



Ideal part no. 217442

Horizontal flue telescopic 0.5m (286-484mm)



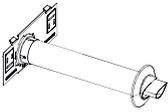
Ideal part no. 208169

Horizontal flue telescopic 0.7m (526-741mm)



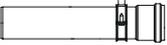
Ideal part no. 208174

Horizontal flue rear outlet Heat (Ø55/80mm)



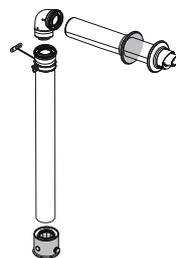
Ideal part no. 205990

Flue extension with bracket 0.5m, 1m or 2m



Ideal part no. 0.5m 211037
1m 203129
2m 211038

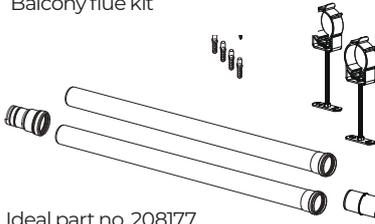
Raised horizontal flue kit



NOTE:
A 1 metre vertical pipe is supplied as standard. Both horizontal and vertical lengths can be extended.

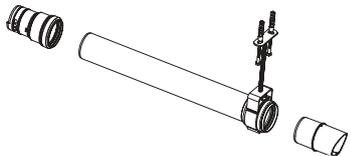
Ideal part no. 208290

Balcony flue kit



Ideal part no. 208177

Soffit flue kit



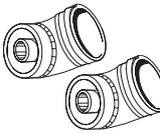
Ideal part no. 211302

Flue bend 90°



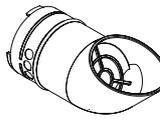
Ideal part no. 203130

Flue bend 45° pair



Ideal part no. 203131

Flue deflector (Ø 60mm)



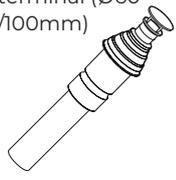
Ideal part no. 208176

Vertical flue terminal and connector (Ø60/100mm)



Ideal part no. 211039

Vertical flue terminal (Ø60/100mm)



Ideal part no. 203132

Vertical flue connector (Ø60/100mm)



Ideal part no. 208175

Vertical flue terminal extension (Ø60/100mm)



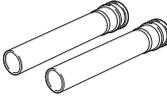
Ideal part no. 210803

Vertical flue loft air inlet (Ø80mm outlet)



Ideal part no. 203136

Flue extension 1m pair (Ø80mm)



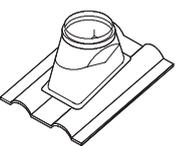
Ideal part no. 203142

Vertical flue terminal (Ø80mm connection)



Ideal part no. 203134

Weather collar pitched roof



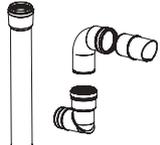
Ideal part no. 152258

Weather collar flat roof



Ideal part no. 152259

High level flue outlet kit (Ø60mm)



Ideal part no. 208178

Flue extension 1m for high level flue outlet (Ø60mm)



Ideal part no. 203228

High level flue bend 90° (Ø60mm)



Ideal part no. 90° 203229
45° 203230

High level flue outlet kit for Heat rear outlet



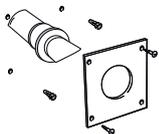
Ideal part no. 205989

Adjustable flue bracket



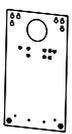
Ideal part no. Ø100 205247
Ø80 205028

Flue finishing kit (Ø100/80mm)



Ideal part no. Ø100 155988
Ø80 206151

RS terminal replacement wall plate



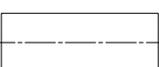
Ideal part no. System 211328
Combi 206164

Flue securing screws



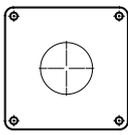
Ideal part no. 205024

Timber frame wall tube 0.4m



Ideal part no. 229130

Timber frame wall plates

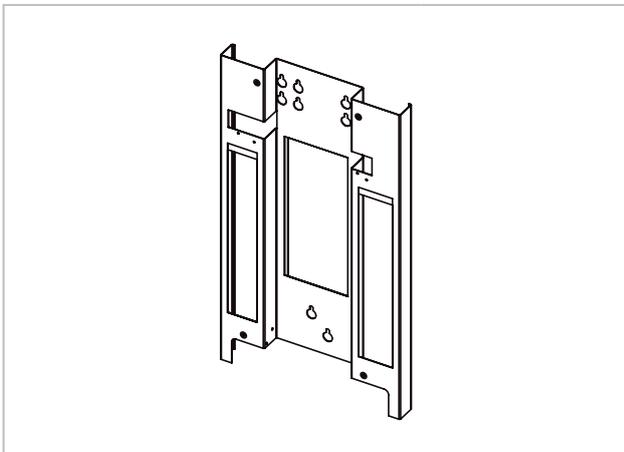


Ideal part no. 229128

INSTALLATION ACCESSORIES

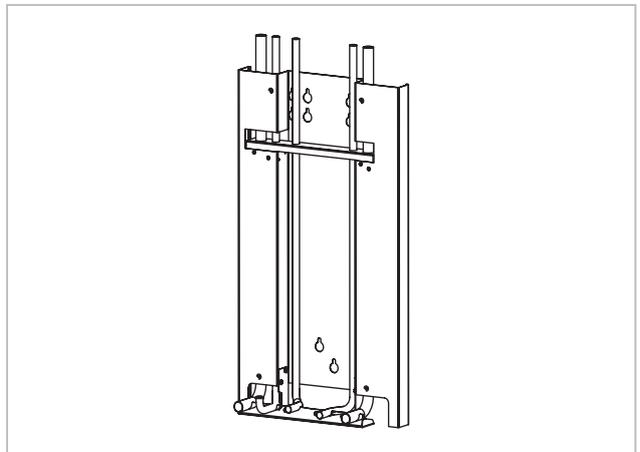
Our range of installation accessories are widely available due to our excellent distribution network. Our installation accessories include a range of brackets and stand off kits as well as a range of kits to help you deal with any situation.

STAND OFF KIT



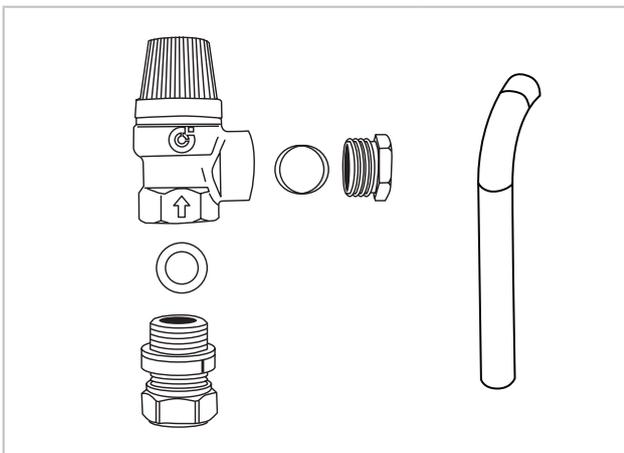
| INSTALLATION ACCESSORY | PART NO. |
|--|----------|
| Stand-off kit Combi ² and System ² | 229120 |
| Stand-off kit Heat ² | 206153 |

STAND OFF KIT WITH PIPES



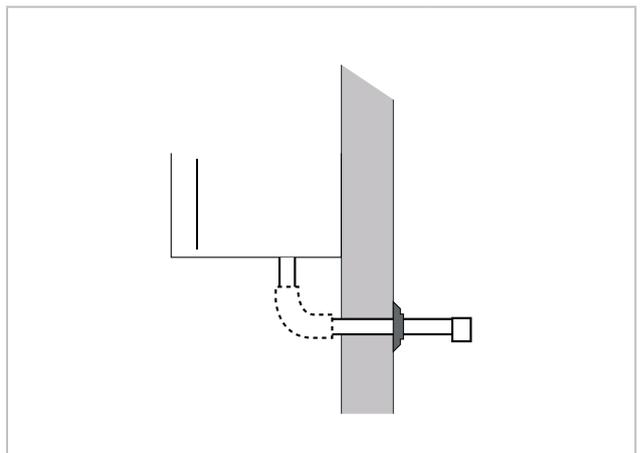
| INSTALLATION ACCESSORY | PART NO. |
|--|----------|
| Stand-off kit with pipes Combi ² | 227769 |
| Stand-off kit with pipes System ² | 227770 |

SECONDARY PRESSURE RELIEF VALVE KIT



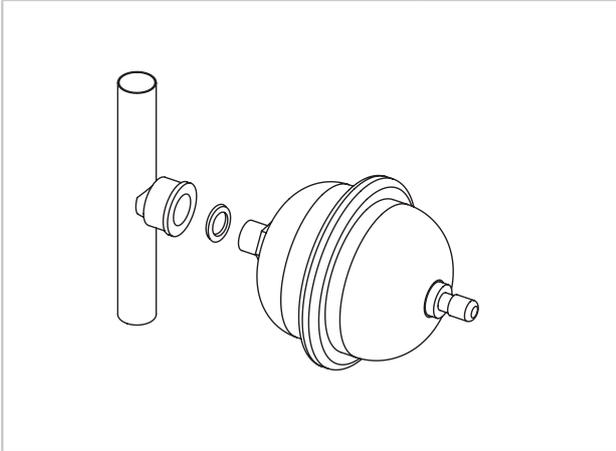
| INSTALLATION ACCESSORY | PART NO. |
|---------------------------------|----------|
| Secondary pressure relief valve | 234642 |

PRV OUTLET PIPE



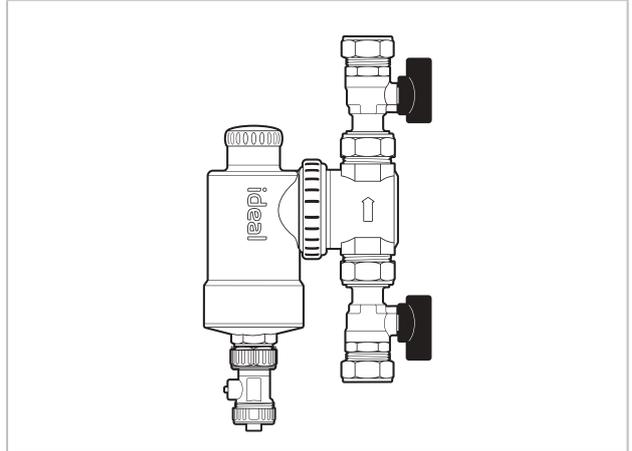
| INSTALLATION ACCESSORY | PART NO. |
|------------------------|----------|
| PRV outlet pipe | 205126 |

DHW EXPANSION VESSEL KIT



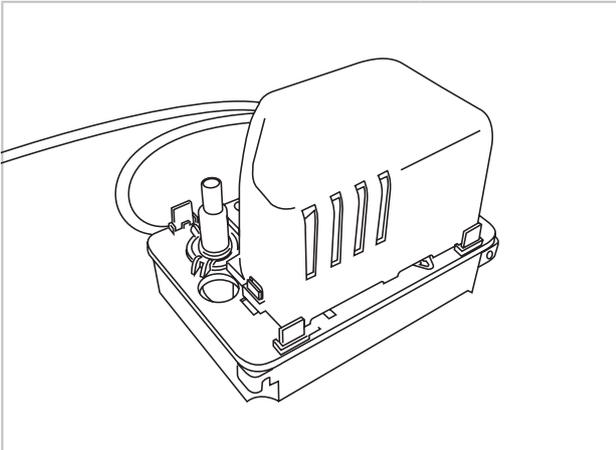
| INSTALLATION ACCESSORY | PART NO. |
|------------------------|----------|
| DHW expansion vessel | 205419 |

IDEAL SYSTEM FILTER



| INSTALLATION ACCESSORY | PART NO. |
|------------------------------------|----------|
| Ideal system filter | 236531 |
| Flushing adaptor for system filter | 237010 |
| Camlock Magnaclone adaptors | 237516 |

CONDENSATE PUMP KIT



| INSTALLATION ACCESSORY | PART NO. |
|------------------------|----------|
| Condensate pump kit | 159991 |

IDEAL THERMSTORE INDIRECT CYLINDER



Scan me for
full technical
specification

CYLINDER 90 120 150 180 210 250 300 400 L

The Ideal Thermstore range of stainless steel unvented indirect cylinders are manufactured to the highest standards. The range features 8 models and two years parts and labour warranty so you can be sure the Thermstore combines the twin demands of excellent product quality and outstanding value.

STANDARD APPLIANCE

- > Hot water draw off 22mm compression
- > Temperature and pressure relief valve 92-9°C/6 bar
- > Hot water secondary return 22mm (not fitted to cylinders below 210 litres)
- > Immersion heater 1¾" BSP 3kW
- > Cold supply 22mm compression
- > Dual control/overheat thermostat pocket
- > Boiler control sensor pocket (spare)
- > Primary flow 22mm compression (28mm tails for 400 litre model only)
- > Primary return 22mm compression (28mm tails for 400 litre model only)

STANDARD APPLIANCE COMPONENTS

- > Combination inlet group incorporating pressure reducing valve, strainer, check valve, balanced cold take off point, expansion relief valve and expansion vessel connection points
- > Potable expansion vessels complete with flexible hose and wall bracket
- > Tundish
- > Dual control thermostat and combined overheat thermostat
- > Two port 22mm zone valve for primary circuit
- > Wiring junction box for primary system



IDEAL THERMSTORE PRE PLUMBED S



Scan me for
full technical
specification

CYLINDER 120 150 180 210 250 300 L

Our range of pre-plumbed cylinders have been created specifically for the new build market. They offer a 'plug and play' solution which reduces installation time and standardises plumbing configuration across multiple dwelling sites. It offers a two year parts warranty and 25 year vessel warranty.

STANDARD APPLIANCE

- > Hot water draw off (22mm), including elbow
- > 22mm cold supply
- > Combination inlet group incorporating pressure reducing valve, strainer, check valve, balance cold take off point, expansion relief valve and expansion vessel connection points.
- > Pressure and temperature relief valve 89 - 96°C/6 bar
- > Connection for heating expansion relief valve
- > Tundish
- > Hot water secondary return 22mm
- > Cold feed assembly
- > Immersion heater 1 3/4" BSP 3kW
- > Wiring junction box
- > Manifold assembly
- > Central heating zone 1 (22mm)
- > Central heating zone 2 (22mm)
- > Boiler flow (28mm)
- > Dual control/overheat stat (22mm)
- > Drain valve
- > Connection for heating expansion vessel
- > Central heating return (22mm)
- > Boiler return (28mm)
- > Filling loop
- > Manual air vent
- > Hot water zone valve
- > System pressure operated bypass
- > Balancing valve



IDEAL THERMSTORE PRE PLUMBED H



Scan me for
full technical
specification

CYLINDER 120 150 180 210 250 300 L

Our range of pre-plumbed cylinders have been created specifically for the new build market. They offer a 'plug and play' solution which reduces installation time and standardises plumbing configuration across multiple dwelling sites.

STANDARD APPLIANCE

- > Hot water draw off (22mm), including elbow
- > 22mm cold supply
- > Combination inlet group incorporating pressure reducing valve, strainer, check valve, balance cold take off point, expansion relief valve and expansion vessel connection points.
- > Pressure and temperature relief valve 89 - 96°C/6 bar
- > Connection for heating expansion relief valve
- > Tundish
- > Hot water secondary return 22mm
- > Cold feed assembly
- > Immersion heater 1 3/4" BSP 3kW
- > Wiring junction box
- > Manifold assembly
- > Central heating zone 1 (22mm)
- > Central heating zone 2 (22mm)
- > Boiler flow (28mm)
- > Dual control/overheat stat (22mm)
- > Drain valve
- > Connection for heating expansion vessel
- > Central heating return (28mm)
- > Boiler return
- > Filling loop
- > Manual air vent
- > Hot water zone valve
- > System pressure operated bypass
- > Balancing valve
- > Low energy consumption circulation pump





POD INDIRECT

HIU i305 i405 i505 i605 i705



Scan me for full technical specification

Available in outputs of 30, 40, 50, 60 and 70kW, the indirect Pod HIU is designed to meet all the requirements of the heat network installer, operator and end user. Also available as direct appliances.

2 YEARS WARRANTY*

KEY FEATURES

- ✓ 2 years warranty as standard
- ✓ Internal insulation
- ✓ Simple user interface
- ✓ First Fix Kit (supplied separately)
- ✓ Removable Front Cover
- ✓ Drop-down front panel
- ✓ Heat Metering (optional)
- ✓ Advanced control features, simple to use interface



**FIRST FIX KIT
AVAILABLE**

SPECIFICATION

- ✓ Robust steel chassis
- ✓ Internal insulation
- ✓ Copper pipework
- ✓ DZR Brass components
- ✓ Stainless steel brazed plate heat exchanger
- ✓ Compact unit with minimal installation clearances
- ✓ Appliance fully serviceable from the front
- ✓ WRAS Approved Product
- ✓ BESA Tested / Published



CLEARANCES & DIMENSIONS

All Dimensions in **mm**



The following minimum clearances must be maintained for operation and servicing:

TOP: 100mm, for front cover removal and ventilation

SIDES: 20mm

FRONT: 25mm min, 450mm recommended for servicing

BOTTOM: 80mm

HIU ASSEMBLY KEY

1. Steel chassis
2. DHW plate heat exchanger
3. Copper pipework
4. Quick release connections
5. Heat meter (optional)
6. DHW PICV
7. DHW water hammer arrestor
8. DHW flow limiter
9. Drain / vent points
10. First fix kit with temporary filling loop (supplied separately)
11. Reversible service connections
12. Primary inlet strainer
13. CH PICV
14. Internal clamshell insulation
15. CH circulation pump
16. CH expansion vessel

*2 year warranty subject to Terms and Conditions. † Please check kitchen cupboard size prior to installation. †† LPG Conversion kit available for 30kW & 35kW models.

POD DIRECT

HIU D30 D40 D50 D60



Scan me for
full technical
specification

Available in outputs of 30, 40, 50 & 60kW, the direct Pod HIU is designed to meet all the requirements of the heat network installer, operator and end user. Also available as indirect appliances.

**2 YEARS
WARRANTY***

KEY FEATURES

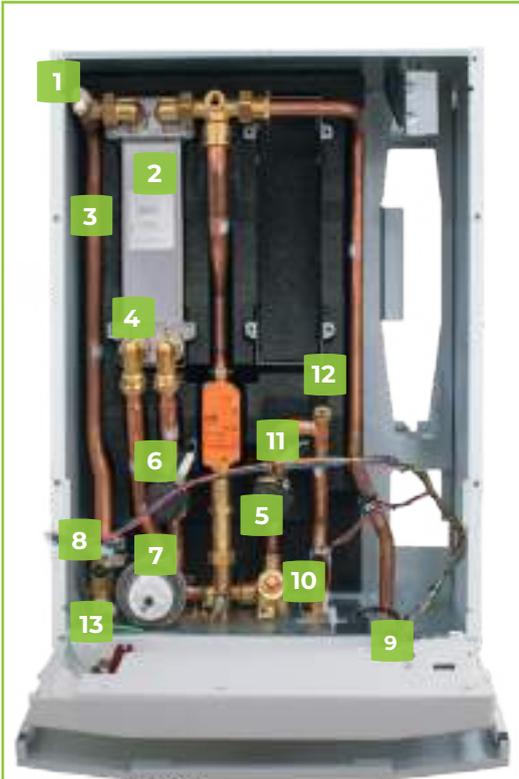
- ✓ 2 years warranty as standard
- ✓ Internal insulation
- ✓ Simple user interface
- ✓ First Fix Kit (supplied separately)
- ✓ Removable Front Cover
- ✓ Drop-down front panel
- ✓ Heat Metering (optional)
- ✓ Advanced control features, simple to use interface



**FIRST FIX KIT
AVAILABLE**

SPECIFICATION

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- ✓ Internal insulation
- ✓ Copper pipework
- ✓ DZR Brass components
- ✓ Stainless steel brazed plate heat exchanger
- ✓ Compact unit with minimal installation clearances
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- ✓ BESA Tested / Published**



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All Dimensions in **mm**



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SIDES: 20mm

FRONT: 25mm min, 450mm recommended for servicing

BOTTOM: 80mm

HIU ASSEMBLY KEY

1. Steel chassis
2. DHW plate heat exchanger
3. Copper pipework
4. Quick release connections
5. Heat meter (optional)
6. DHW PICV
7. DHW water hammer arrestor
8. DHW flow limiter
9. Reversible service connections
10. Primary inlet strainer
11. CH PICV
12. Internal clamshell insulation
13. Drain / vent points

*2 year warranty subject to Terms and Conditions. 2 years parts and labour warranty available subject to being commissioned by Ideal Heating or an authorised representative. Terms & conditions available on request. ** The BESA UK HIU Test Regime applies to indirect appliances only. For indirect DHW test results refer to published reports for the POD Indirect appliances.

THE UK'S NUMBER ONE HOT WATER CYLINDER MANUFACTURER

STAINLESS LITE PLUS

Direct
Indirect
Heat Pump
Solar
Pre-Plumbed
Slimline

STAINLESS PLATINUM

Direct
Indirect

HEAT PUMP DUO

Partially Pre-Plumbed
Pre-Plumbed



Gledhill is leading UK manufacturer of hot water and heating solutions. Established in 1926, quality, innovation and reliability are at the heart of our business.

With over 90 years of experience manufacturing domestic hot water cylinders, Gledhill has become the UK's Number One Cylinder manufacture in every hot water cylinder solution including Directs, Indirect, Pre-Plumbed and Slimline, Heat Pump and Solar cylinders off a complete renewable cylinder range.

TOTAL ELECTRIC SOLUTIONS.

PANEL HEATERS

F127
Agilia IO
Oniris
Sokio Horizontal
Sokio Vertical

ELECTRIC RADIATORS

Accessio
Galapagos Horizontal
Galapagos Vertical

TOWEL RAILS

Atlantic Chrome
Sensis

CYLINDERS AND HOT WATER HEATERS

Atlantic Direct
Calypso
Nanto Lite
Nanto Plus

CONTROL SYSTEMS

Cozytouch
Intelligent Programming
EPC and Energy Savings

atlantic

With over 50 years of experience in designing, engineering, and manufacturing electric heating and hot water appliances the Atlantic brand has become synonymous with premium, high efficiency products.

Atlantic has engineered and developed an extensive product range that includes panel heaters, electric radiators, towel rails and hot water cylinders. Our innovative, reliable and energy efficient product portfolio offers the perfect electric heating solutions for new builds, bungalows, flats, apartments, hotels, offices and commercial establishments.

NANTO LITE

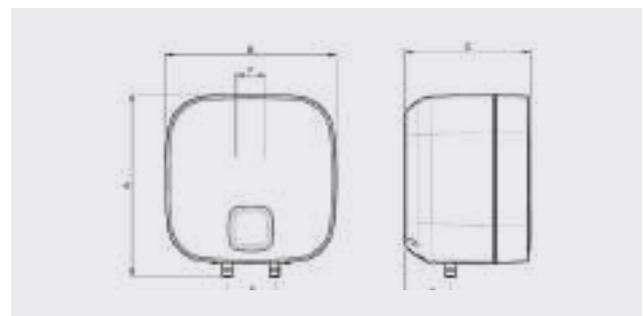
HOT WATER HEATER



Scan me for full technical specification

The Atlantic Nanto Lite is a highly-efficient unvented hot water heater designed with both space-saving and energy-saving features. The unit is engineered to provide hot water almost instantly at the point of use, making it perfect for those seeking convenience and comfort.

The Nanto Lite features a diamond-quality enamel glass tank that is both durable and long-lasting, and incorporates magnesium anodes to provide added protection and increase the lifespan of the tank by up to 50%. With its sleek design and energy efficient features, the Atlantic Nanto Lite is the ideal choice for homeowners looking to upgrade their hot water system.



KEY FEATURES

- ✓ ErP Rating: A
- ✓ Compact design
- ✓ Vacation mode
- ✓ Under and above sink
- ✓ Anti-corrosive tank protection



**DIAMOND
QUALITY
ENAMEL TANK**

| MODEL | TANK SIZE (L) | OUTPUT (W) | HEIGHT (MM) | WIDTH (MM) | DEPTH (MM) | NET WEIGHT (KG) | HEAT UP TIME =50°C (MIN) | HEAT UP TIME =35°C (MIN) | ENERGY CONSUMPTION (kWhr/24hr) | ErP |
|-------------------|---------------|------------|-------------|------------|------------|-----------------|--------------------------|--------------------------|--------------------------------|-----|
| UNDER SINK | | | | | | | | | | |
| AH821547 | 10 | 2000 | 378 | 360 | 262 | 6.9 | 18 | 12 | 0.48 | B |
| AH821549 | 15 | 2000 | 378 | 360 | 321 | 8 | 27 | 18 | 0.58 | B |
| ABOVE SINK | | | | | | | | | | |
| AH821546 | 10 | 2000 | 378 | 360 | 262 | 6.9 | 18 | 12 | 0.48 | A |
| AH821548 | 15 | 2000 | 378 | 360 | 321 | 8 | 27 | 18 | 0.58 | A |

NANTO PLUS

HOT WATER HEATER



Scan me for full technical specification

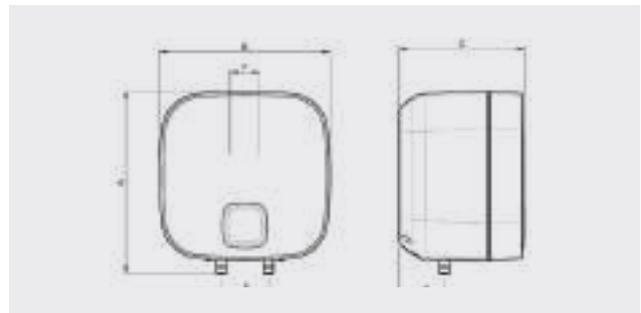
Utilizing a modern, sleek cubic design, and digital temperature display the Nanto Plus provides a luxurious black and white monochrome finish and complete versatility for installation.

The Nanto Plus can be installed either under or above the bathroom or kitchen sink, providing space saving solutions. The Nanto Plus features a diamond-quality enamel glass tank, incorporated with a magnesium anode to strengthen the tank's protection and increase its lifespan by up to 50%.



KEY FEATURES

- ✓ ErP Rating: A
- ✓ Compact design
- ✓ Vacation mode
- ✓ Under and above sink
- ✓ Anti-corrosive tank protection



VACATION MODE

| MODEL | TANK SIZE (L) | OUTPUT (W) | HEIGHT (MM) | WIDTH (MM) | DEPTH (MM) | NET WEIGHT (KG) | HEAT UP TIME =50°C (MIN) | HEAT UP TIME =35°C (MIN) | ENERGY CONSUMPTION (kWhr/24hr) | ErP |
|------------|---------------|------------|-------------|------------|------------|-----------------|--------------------------|--------------------------|--------------------------------|-----|
| UNDER SINK | | | | | | | | | | |
| AH821551 | 10 | 2000 | 378 | 360 | 262 | 6.9 | 18 | 12 | 0.48 | B |
| AH821553 | 15 | 2000 | 378 | 360 | 321 | 8 | 27 | 18 | 0.58 | B |
| ABOVE SINK | | | | | | | | | | |
| AH821550 | 10 | 2000 | 378 | 360 | 262 | 6.9 | 18 | 12 | 0.48 | A |
| AH821552 | 15 | 2000 | 378 | 360 | 321 | 8 | 27 | 18 | 0.58 | A |

CALYPSO

HEAT PUMP HOT WATER HEATER

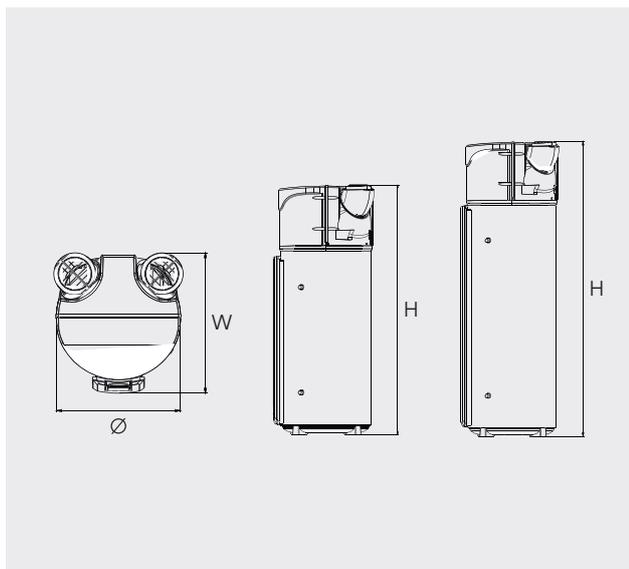


Scan me for full technical specification

Utilising heat pump technology to efficiently heat hot water, the Calypso features an adjustable air inlet and outlets to provide easy installation and is Cozytouch compatible allowing users to control the Calypso from their smart device with ease.

KEY FEATURES

- ✓ ErP rating: A+
- ✓ Over 300% efficient
- ✓ Low noise emission: 49db
- ✓ Duplex stainless steel tank
- ✓ Cozytouch compatible



**INTEGRATED
AIR SOURCE
HEAT PUMP**

| SIZE (L) | HEIGHT (MM) | WIDTH (MM) | DIAMETER (MM) | WEIGHT (KG) | HEATING TIME (10°C TO 54°C) | HEAT LOSS (kWhr/24hr) | COP | MODEL |
|----------|-------------|------------|---------------|-------------|-----------------------------|-----------------------|------|----------|
| 172 | 1700 | 695 | 605 | 83.6 | 5H 48 | 1.23 | 3.15 | AH876509 |
| 210 | 1940 | 695 | 605 | 84 | 7H 18 | 1.39 | 3.02 | AH886123 |

PANEL HEATERS



CYLINDERS AND HOT WATER HEATERS

TOWEL RAILS



CONTROL SYSTEMS



ELECTRIC RADIATORS



TOTAL ELECTRIC SOLUTIONS FOR THE WHOLE PROPERTY.

With a legacy that spans over five decades, Groupe Atlantic have emerged as a leading European player, setting the standards for sustainable heating and hot water solutions.

/ EXPERTISE THAT KNOWS NO BOUNDARIES

Groupe Atlantic boasts a multi-energy expertise that encompasses electric, gas and renewables. This unparalleled knowledge underpins the comprehensive range of heating and hot water solutions, catering to the diverse needs of domestic and commercial sectors. Groupe Atlantic is not just attentive of its markets, it shapes them. The brands that are part of the group, Ideal Heating, Atlantic and Gledhill offer a wide spectrum of products, from water heaters and electric heaters to domestic and commercial boilers and heat pumps.

/ A RICH HISTORY OF INNOVATION

Founded in 1968 in La Roche-sur-Yon, France, Groupe Atlantic has been at the forefront of revolutionising comfort and sustainability. Commitment to excellence has led to the establishment of 31 industrial sites and 43 commercial manufacturing sites, ensuring a presence and impact on a global scale.

/ A GLOBAL PRESENCE

Spanning five continents, Groupe Atlantic is not just a company; it's a worldwide community dedicated to enhancing heating and hot water.

Inside these pages, you'll discover how the Groupe Atlantic's brands Ideal Heating, Atlantic, and Gledhill stand as beacons of innovation, and how its commitment to sustainability drives every aspect of its work.



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HEATING

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