

Ultimate₃

Range Brochure



Ultimate₃



Easy does it

At Glow-worm we make working with us easy and rewarding with all the support when you need it. We offer outstanding products, practical hands-on training and unrivalled service across the UK. Our wide range of high quality products include domestic gas boilers in combi, sealed system and regular open vent options which are supported by a full range of flue systems and accessories. We also meet Boiler Plus with a range of easy to use load and weather compensating thermostat controls and the smart MiGo app based control - all of which are simple to install.

Quality product

Every Glow-worm boiler undergoes 499 quality checks before it leaves our award winning UK factory and they come with a range of guarantee options up to 15 years. So your customer will have total peace of mind. **Install confidence**

Practical hands-on training

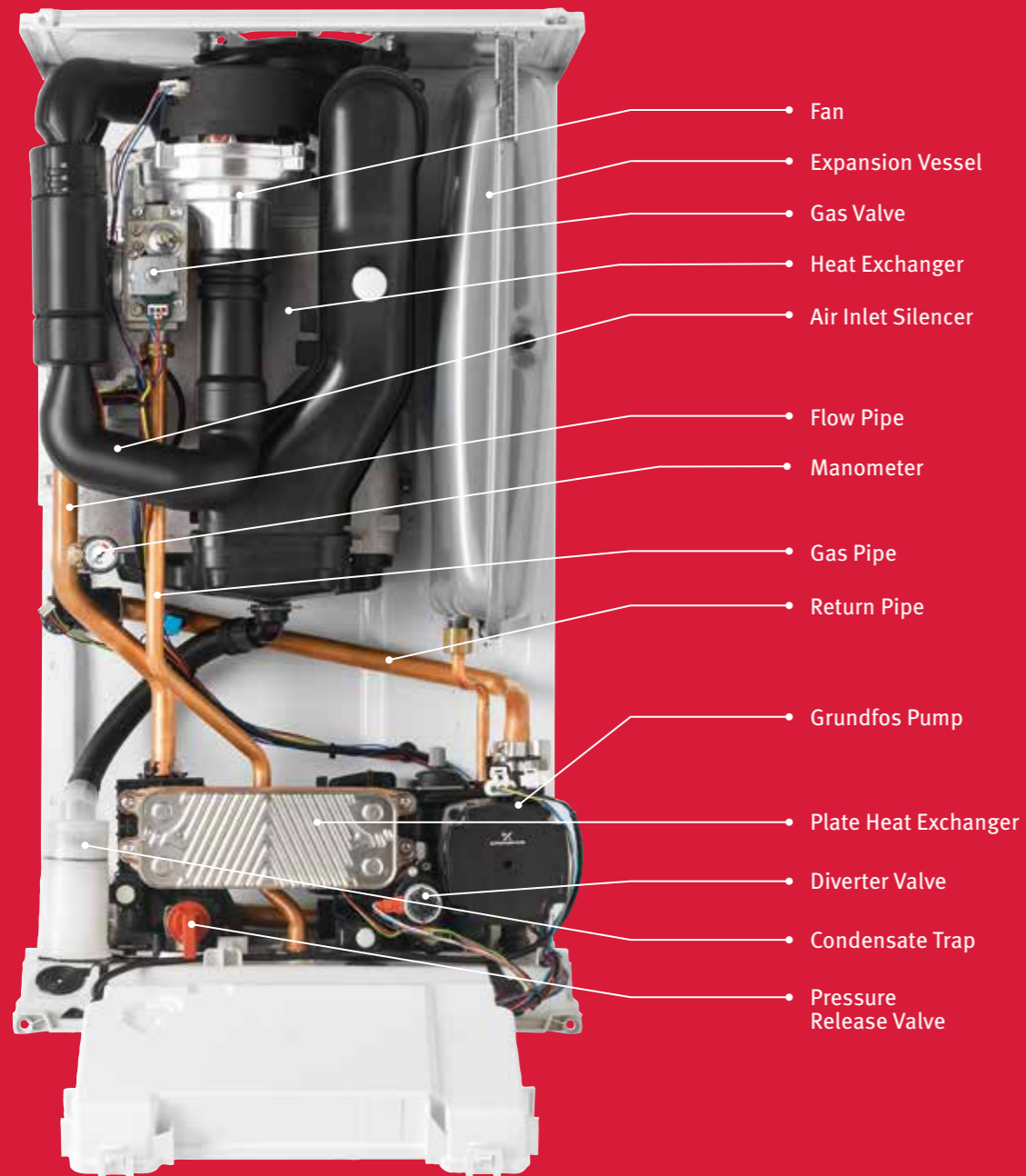
We run industry standard Glow-worm training courses at seven Centres of Excellence across the UK. These are hands-on practical installation and maintenance courses and will help you start how you mean to go on. **Just the job**

Rewarding loyalty and support

Register every installation straight from your mobile using our Plumbing Toolbox app or on our Club Energy website and we'll even give you cashback and exclusive free extended guarantees to support your business. **Consider it done**

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Ultimate₃ combi boiler

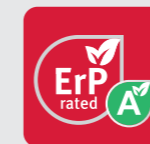
The Ultimate₃ combi boiler provides central heating and hot water without the need for a cylinder to store water. The Ultimate₃ combi is available in a choice of 30kW and 35kW models and features high DHW flow rates, flexible flue options and an aluminium heat exchanger for proven reliability and performance. The Ultimate₃ also features a Grundfos modulating pump for reduced energy use and a modern bright LCD display with an easy to use interface.



FREE 5 year guarantee



When registered through Club Energy



ErP A rated



Easy to install and service



Meets Boiler Plus when installed with a Climapro₂

*when installed through Club Energy

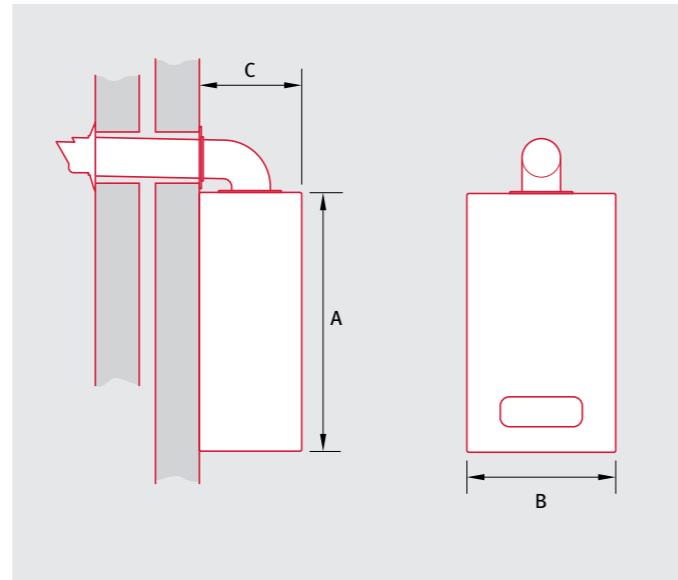


Features and benefits

- **Modern bright LCD display**
Excellent clarity of boiler information, making it easy to change and confirm settings in dimly lit areas.
- **High efficiency**
ErP 94% A rated boiler that helps reduce energy bills.
- **High efficiency modulating Grundfos pump**
Lower running costs as the pump adapts to actual heating and hot water demand.
- **5 year guarantee**
Parts and labour guarantee for 5 years with an option to extend*.
- **Heat exchanger**
Made with high grade aluminium for proven and reliable performance.
- **Exclusive to City Plumbing Supplies**

Technical specification

Ultimate₃ combi dimensions



Boiler dimensions

| Height (A) | Width (B) | Depth (C) |
|------------|-----------|-----------|
| 740mm | 418mm | 300mm |

Ultimate₃ combi clearances

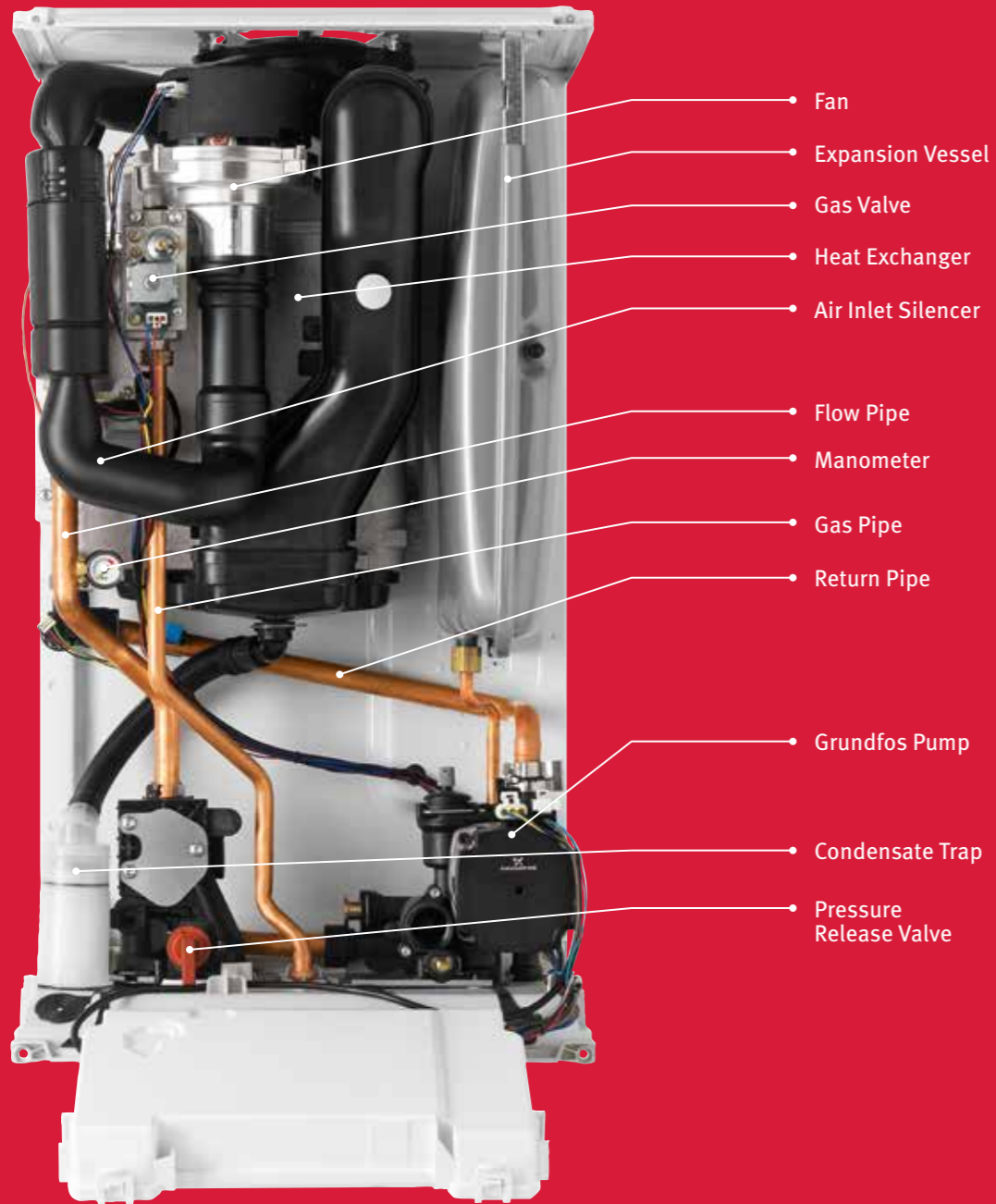
Boiler clearances

| Top | Side | Bottom | Front |
|-------|------|--------|---------|
| 300mm | 0* | 300mm | 600mm** |

* See manual for clearance if side panels are to be removed to assist future service and maintenance

**5mm if removable panel or door

| Ultimate ₃ | Unit of measure | 30c | 35c |
|--|---------------------|--------------------|--------------------|
| General | | | |
| Boiler type | | Combi | Combi |
| Model output | | 30kW | 35kW |
| Article number | | 0010021404 | 0010021405 |
| Gas Council number | | 47-019-55 | 47-019-57 |
| Boiler dimensions (H x W x D) | mm | 740 x 418 x 300 | 740 x 418 x 300 |
| Heating | | | |
| Nominal heat output range at 50/30°C (Condensing mode) | kW | 6.3 - 26.5 | 7.4 - 26.5 |
| Nominal heat output range at 80/60°C (Non condensing mode) | kW | 6 - 25.2 | 7 - 26.3 |
| Maximum flow temperature | °C | 80 | 80 |
| Flow temperature range | °C | 10-80 | 10-80 |
| Flow temperature factory setting | °C | 75 | 75 |
| Approximate condensate volume at 50/30°C | litres/hr | 2.55l/h | 2.55l/h |
| Modulation (max/min) | 1 : X | 1:4.4 | 1:3.8 |
| Domestic Hot Water | | | |
| Maximum heat output for water generation | kW | 30 | 35 |
| Lowest water pressure to operate boiler | bar | 0.2 | 0.2 |
| Lowest water flow for operation | l/min | 1.9 | 1.9 |
| Lowest water pressure for maximum flow rate | bar | 1 | 1 |
| Domestic hot water flow rate (at DT = Δ35K) | l/min | 12.4 | 14.4 |
| Hot water output temperature range | °C | 35-60° | 35-60° |
| Mechanical | | | |
| Expansion vessel size | litres | 8 | 8 |
| Gas inlet connection (pipe size) | mm | 15 | 15 |
| Heating flow and return connections (pipe size) | mm | 15 | 15 |
| Hot and cold water connections (pipe size) | mm | 22 | 22 |
| Heat exchanger material | Stainless/Aluminium | Aluminium | Aluminium |
| Boiler lift weight (Dry boiler) | kg | 22 | 22 |
| Performance | | | |
| NOx (En 15502-2-1) | mg/kWh | 39 | 39 |
| ErP efficiency (Heating / DHW) | | A/A | A/A |
| ErP efficiency | % | 94 | 94 |
| ErP decibel rating (sound power) | dBa | 51 | 52 |
| PCDB seasonal efficiency | % | 89.6 | 89.7 |
| Flueing options | | | |
| Rear flue options | Yes/No | No | No |
| Maximum horizontal flue length 60/100 | m | 10 | 6 |
| Maximum vertical flue length 60/100 | m | 10 | 10 |
| Maximum horizontal flue length 80/125 | m | 25 | 19 |
| Maximum vertical flue length 80/125 | m | 25 | 19 |
| Permissible flue classifications | C13, C33, C43, C53 | C13, C33, C43, C53 | C13, C33, C43, C53 |



Ultimate₃ system boiler

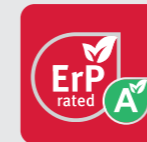
The Ultimate₃ system boiler is suitable for homes with high hot water demands. The Ultimate₃ system is a sealed system that comes in a 25kW output and features flexible flue options and an aluminium heat exchanger for proven reliability and performance. The Ultimate₃ also features a Grundfos modulating pump for reduced energy use and a modern bright LCD display with an easy to use interface



FREE 5 year guarantee



When registered through Club Energy



ErP A rated



Easy to install and service



Meets Boiler Plus when installed with a Climapro₁ & Smart Wiring Centre₂

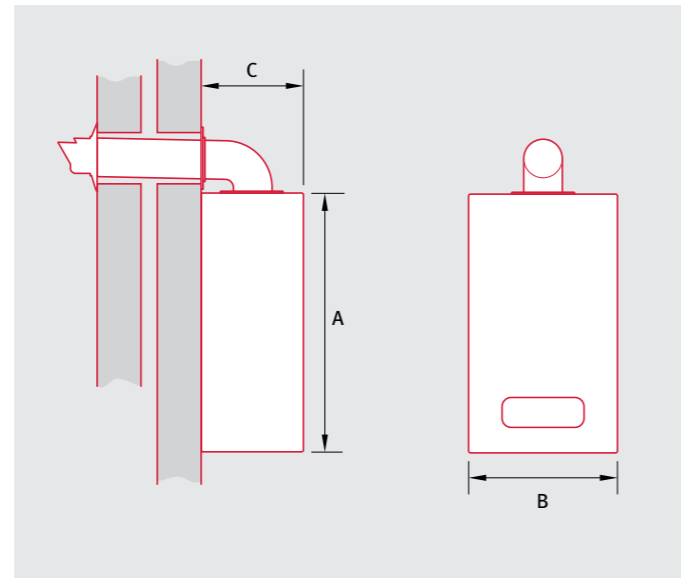
*when installed through Club Energy

Features and benefits

- Modern bright LCD display**
 Excellent clarity of boiler information, making it easy to change and confirm settings in dimly lit areas.
- High efficiency**
 ErP 94% A rated boiler that helps reduce energy bills.
- High efficiency modulating Grundfos pump**
 Lower running costs as the pump adapts to actual heating and hot water demand.
- 5 year guarantee**
 Parts and labour guarantee for 5 years with an option to extend*.
- Heat exchanger**
 Made with high grade aluminium for proven and reliable performance.
- Exclusive to City Plumbing Supplies**

Technical specification

Ultimate₃ system dimensions



Boiler dimensions

| Height (A) | Width (B) | Depth (C) |
|------------|-----------|-----------|
| 740mm | 418mm | 300mm |

Ultimate₃ system clearances

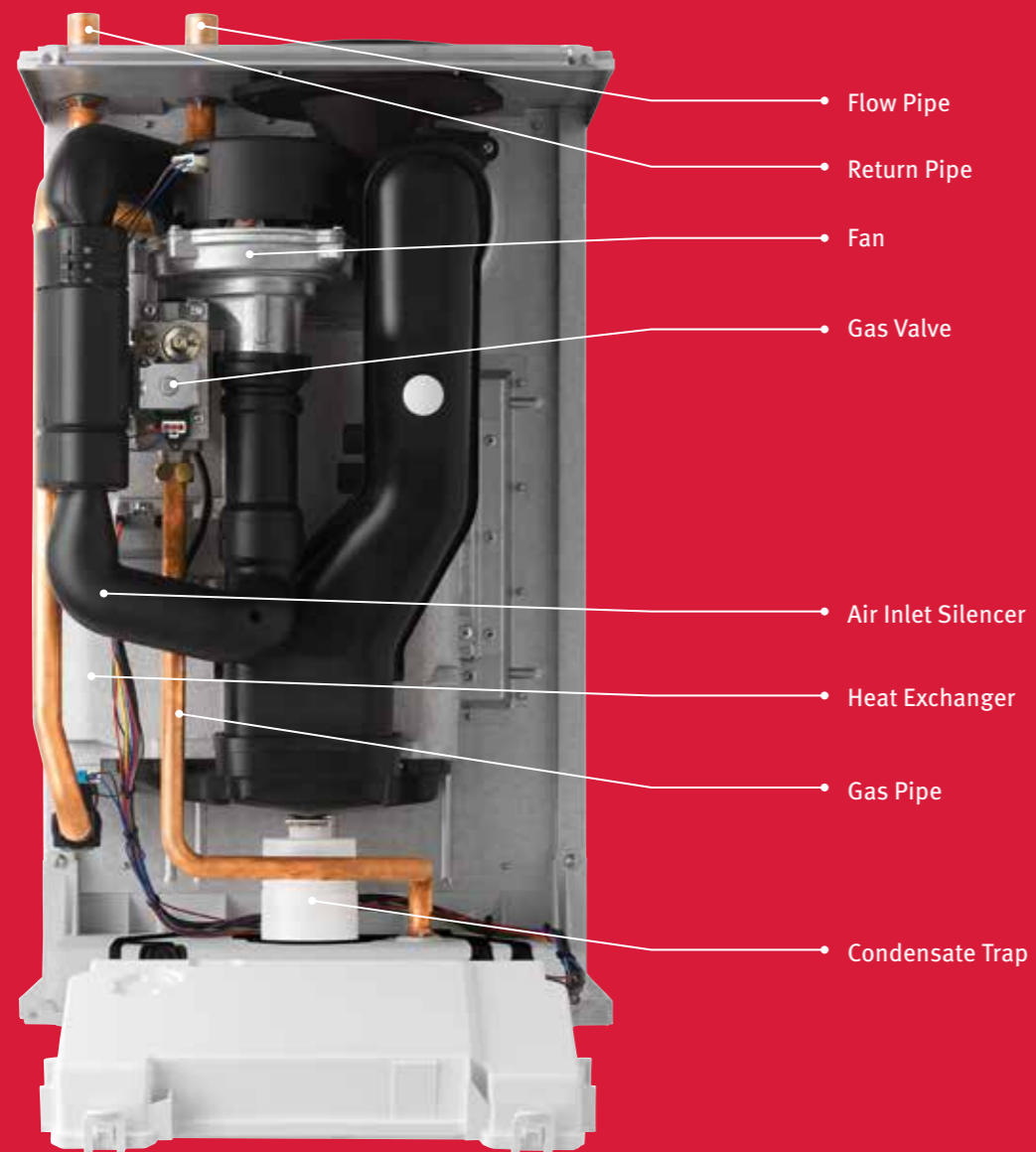
Boiler clearances

| Top | Side | Bottom | Front |
|-------|------|--------|---------|
| 300mm | 0* | 300mm | 600mm** |

* See manual for clearance if side panels are to be removed to assist future service and maintenance

**5mm if removable panel or door

| Ultimate ₃ | Unit of measure | 25s |
|--|----------------------|--------------------|
| General | | |
| Boiler type | | System |
| Model output | | 25kW |
| Article number | | 0010021405 |
| Gas Council number | | 47-019-51 |
| Boiler dimensions (H x W x D) | mm | 740 x 418 x 300 |
| Heating | | |
| Nominal heat output range at 50/30°C (Condensing mode) | kW | 6.3 - 26.5 |
| Nominal heat output range at 80/60°C (Non condensing mode) | kW | 6 - 25.2 |
| Maximum flow temperature | °C | 80 |
| Flow temperature range | °C | 10-80 |
| Flow temperature factory setting | °C | 75 |
| Approximate condensate volume at 50/30°C | litres/hr | 2.55l/h |
| Modulation (max/min) | 1 : X | 1:4.4 |
| Domestic Hot Water | | |
| Maximum heat output for water generation | kW | - |
| Lowest water pressure to operate boiler | bar | 0.2 |
| Lowest water flow for operation | l/min | 1.9 |
| Lowest water pressure for maximum flow rate | bar | 1 |
| Domestic hot water flow rate (at DT = Δ35K) | l/min | - |
| Hot water output temperature range | °C | - |
| Mechanical | | |
| Expansion vessel size | litres | 8 |
| Gas inlet connection (pipe size) | mm | 15 |
| Heating flow and return connections (pipe size) | mm | 15 |
| Hot and cold water connections (pipe size) | mm | 22 |
| Heat exchanger material | Stainless/ Aluminium | Aluminium |
| Boiler lift weight (Dry boiler) | kg | 22 |
| Performance | | |
| NOx (En 15502-2-1) | mg/kWh | 39 |
| ErP efficiency (Heating / DHW) | | A/- |
| ErP efficiency | % | 94 |
| ErP decibel rating (sound power) | dBa | 50 |
| PCDB seasonal efficiency | % | 89.7 |
| Flueing options | | |
| Rear flue options | Yes/No | No |
| Maximum horizontal flue length 60/100 | m | 10 |
| Maximum vertical flue length 60/100 | m | 10 |
| Maximum horizontal flue length 80/125 | m | 10 |
| Maximum vertical flue length 80/125 | m | 25 |
| Permissible flue classifications | C13, C33, C43, C53 | C13, C33, C43, C53 |



Ultimate₃ regular boiler

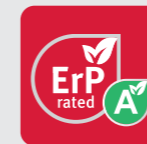
The Ultimate₃ regular (open vent) boiler is suitable for homes with high hot water demands. The Ultimate₃ regular heat only boiler is available in a 25kW output and has been designed to be light and compact with cupboard fit dimensions. The boiler features flexible flue options and an aluminium heat exchanger for proven reliability and performance.



FREE 5 year guarantee



When registered through Club Energy



ErP A rated



Easy to install and service



Meets Boiler Plus when installed with a Climapro₁ & Smart Wiring Centre₂

*when installed through Club Energy

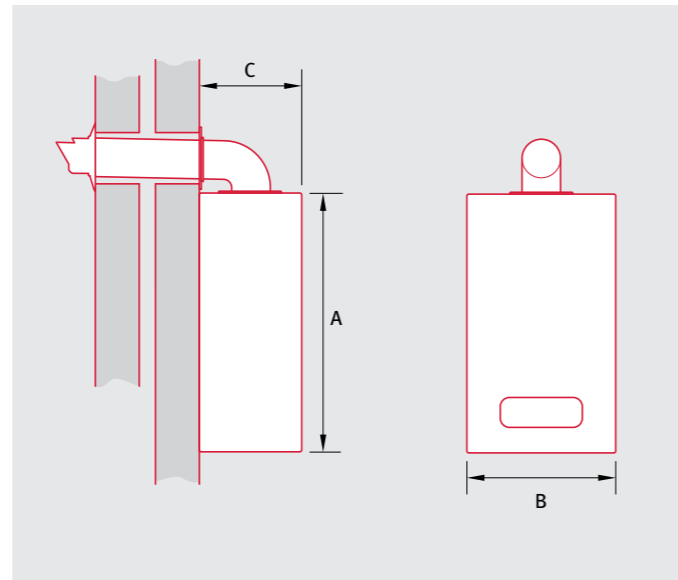


Features and benefits

- Modern bright LCD display**
 Excellent clarity of boiler information, making it easy to change and confirm settings in dimly lit areas.
- High efficiency**
 ErP 94% A rated boiler that helps reduce energy bills.
- High efficiency modulating Grundfos pump**
 Lower running costs as the pump adapts to actual heating and hot water demand.
- 5 year guarantee**
 Parts and labour guarantee for 5 years with an option to extend*.
- Heat exchanger**
 Made with high grade aluminium for proven and reliable performance.
- Exclusive to City Plumbing Supplies**

Technical specification

Ultimate₃ regular dimensions



Boiler dimensions

| Height (A) | Width (B) | Depth (C) |
|------------|-----------|-----------|
| 740mm | 418mm | 300mm |

Ultimate₃ regular clearances

Boiler clearances

| Top | Side | Bottom | Front |
|-------|------|--------|---------|
| 300mm | 0* | 300mm | 600mm** |

* See manual for clearance if side panels are to be removed to assist future service and maintenance

**5mm if removable panel or door

| Ultimate ₃ | Unit of measure | 25r |
|--|----------------------|--------------------|
| General | | |
| Boiler type | | Regular |
| Model output | | 25kW |
| Article number | | 0010021408 |
| Gas Council number | | 47-019-52 |
| Boiler dimensions (H x W x D) | mm | 600 x 375 x 280 |
| Heating | | |
| Nominal heat output range at 50/30°C (Condensing mode) | kW | 6.4 - 26.5 |
| Nominal heat output range at 80/60°C (Non condensing mode) | kW | 6 - 25.2 |
| Maximum flow temperature | °C | 80 |
| Flow temperature range | °C | 10-80 |
| Flow temperature factory setting | °C | 75 |
| Approximate condensate volume at 50/30°C | litres/hr | 2.55l/h |
| Modulation (max/min) | 1 : X | 1:4.4 |
| Domestic Hot Water | | |
| Maximum heat output for water generation | kW | - |
| Lowest water pressure to operate boiler | bar | 0.2 |
| Lowest water flow for operation | l/min | 1.9 |
| Lowest water pressure for maximum flow rate | bar | 1 |
| Domestic hot water flow rate (at DT = Δ35K) | l/min | - |
| Hot water output temperature range | °C | - |
| Mechanical | | |
| Expansion vessel size | litres | 8 |
| Gas inlet connection (pipe size) | mm | 15 |
| Heating flow and return connections (pipe size) | mm | 15 |
| Hot and cold water connections (pipe size) | mm | 22 |
| Heat exchanger material | Stainless/ Aluminium | Aluminium |
| Boiler lift weight (Dry boiler) | kg | 22 |
| Performance | | |
| NOx (En 15502-2-1) | mg/kWh | 39 |
| ErP efficiency (Heating / DHW) | | A/- |
| ErP efficiency | % | 94 |
| ErP decibel rating (sound power) | dBa | 51 |
| PCDB seasonal efficiency | % | 89.6 |
| Flueing options | | |
| Rear flue options | Yes/No | No |
| Maximum horizontal flue length 60/100 | m | 10 |
| Maximum vertical flue length 60/100 | m | 10 |
| Maximum horizontal flue length 80/125 | m | 10 |
| Maximum vertical flue length 80/125 | m | 25 |
| Permissible flue classifications | C13, C33, C43, C53 | C13, C33, C43, C53 |

Accessories

| Part number | New Description | Range |
|-------------|---|--------|
| 0020219523 | Horizontal flue kit DN 60/100 | 60/100 |
| 0020219524 | Horizontal telescopic flue kit DN 60/100 | 60/100 |
| 0020219528 | Horizontal flue kit 1.7m DN 60/100 | 60/100 |
| 0020219526 | Rear telescopic flue kit DN 60/100 | 60/100 |
| 0020219538 | Flue terminal kit, black | 60/100 |
| 0020209763 | Vertical flue adaptor DN 60/100 | 60/100 |
| 0020230604 | Vertical flue terminal, black | 60/100 |
| 0020199443 | Flat roof flashing | 60/100 |
| 0020258676 | Pitched roof flashing | 60/100 |
| 0020257007 | Extension 0.5m DN 60/100 PP | 60/100 |
| 0020257008 | Extension 1m DN 60/100 PP | 60/100 |
| 0020257445 | Extension 2m DN 60/100 PP | 60/100 |
| 0020267682 | Extension 4m DN 60/100 PP | 60/100 |
| 0020257009 | Elbow 87 deg DN60/100 PP | 60/100 |
| 0020257010 | Elbow 45 deg DN60/100 PP (2 pieces) | 60/100 |
| 0020267923 | Flue support clips 200mm DN100 (5 pieces) | 60/100 |
| 2000460487 | Sliding sleeve DN 60/100 | 60/100 |
| 0020267683 | Extension 0.5 to 0.8m telescopic 60/100 PP | 60/100 |
| A2043800 | Ridge tile terminal (black) | 60/100 |
| 0020267924 | Flue support clips 100mm (pack of 5) | 60/100 |
| 0020219531 | Plume Management Kit black | PMK |
| 0020219532 | Plume Management Kit, white | PMK |
| 0020219535 | Plume deflector kit, black | PMK |
| 0020219536 | Plume deflector kit, white | PMK |
| 0020219541 | PMK extension 1m, black | PMK |
| 0020219542 | PMK extension 1m, white | PMK |
| 0020219545 | PMK elbow 87 deg, black | PMK |
| 0020219550 | PMK elbow 87 deg, white | PMK |
| 0020219553 | PMK elbow 45 deg, (2 off) black | PMK |
| 0020219554 | PMK elbow 45 deg, (2 off) white | PMK |
| 0020257018 | Horizontal air/flue duct & elbow & terminal | 80/125 |
| 0020257016 | Roof terminal black DN80/125 PP | 80/125 |
| 0020257019 | Extension 0.5m DN80/125 PP | 80/125 |
| 0020257020 | Extension 1m DN80/125 PP | 80/125 |
| 0020257021 | Extension 2m DN80/125 PP | 80/125 |
| 0020257023 | Elbow 87 deg DN80/125 PP | 80/125 |
| 0020257024 | Elbow 45 deg DN80/125 PP (2 pieces) | 80/125 |
| 0020257022 | Sliding sleeve DN80/125 PP | 80/125 |
| 0020104559 | Flue support clips (5 off) DN 60/100 | 80/125 |
| 0020209764 | Vertical flue adaptor DN 80/125 | 80/125 |
| 0020193649 | Pipe cover, large | ALL |
| 0020193659 | Pipe cover, small | ALL |
| 0020193660 | Spacing frame, small | ALL |
| 0020193663 | Upward piping kit | ALL |
| A2044800 | Condensate pump | ALL |
| 0020082851 | Spacing frame, large | ALL |
| 0020193661 | Universal analogue timer | COMBI |

Boiler Plus







The new Boiler Plus legislation has been designed to ensure that all households in the UK are energy efficient. Boiler Plus is the biggest piece of legislation since 2005 when the UK became the first country to become “all-condensing”.

All new boilers from April 2018 must have a minimum ErP efficiency of 92% with time and temperature controls fitted if they aren't already present and working correctly.

Also combi boilers, the most popular boiler type in the market require one of four additional requirements. Each will need to suit each individual homeowner's circumstances. The measures available are:

- **Load compensation** - the ability to use the current room temperature to modulate the flow temperature, this needs the control and boiler to intelligently communicate.
- **Weather compensation** - the ability to use outdoor sensors to monitor the outside temperature and modulate the flow temperature from the boiler.
- **Smart control** - An internet connected control that provides automated heating, hot water and optimised boiler efficiency.

From the feature-rich MiGo personal heating assistant to the very simple and cost-effective Climastat room thermostat, Glow-worm offers a wide range of intelligent and easy to use solutions to meet Boiler Plus.

| Load Compensating Control | Weather Compensating Control | Smart Control |
|---|---|---|
| Climastat and Analogue Timer | Climapro ₁ and Outdoor Sensor* | MiGo Smart Control |
|  |  |  |
| Climapro ₁ | Climapro ₂ and Outdoor Sensor* | |
|  |  | |
| Climapro ₂ | | |
|  | | |

*Wired controls must always be paired with the wired outdoor sensor.

*Wireless controls must always be paired with the wireless outdoor sensor.

Intelligent controls

All Glow-worm controls have been designed to work with the Ultimate₃ boiler range, so they are simple to install and your customer will get the ultimate in running efficiency, convenience and comfort. Adding any of our intelligent controls to your boiler will mean you are complying with the Boiler Plus legislation.

Climastat Thermostat

- Can be used in conjunction with a analogue plug in timer
- Wall mounted Climastat connects using simple low voltage eBus
- eBus connected Climastat means the boiler will modulate to manage heating in the most efficient way possible
- Heating & hot water mode on indicator
- Service, fault and maintenance indication
- Clear digital display with 0.5°C temperature intervals
- Wide temperature range 5 - 30°C



| | |
|------------------------------|---|
| Room Thermostat | ✓ |
| Programmable Room Thermostat | |
| Wireless Controls | |
| Load Compensation | ✓ |

Weather compensation not possible

Climapro₁ Wired & Wireless Programmable Thermostat

- Secure wall mounted thermostat is wired using simple low voltage eBus
- User friendly design with bright backlight
- Clear straightforward menus to set heating & hot water programmes
- Annual service reminder and auto daylight saving time
- eBus connected Climapro₁ means the boiler will modulate to manage heating in the most efficient way possible
- Weather compensation using a simple wired or wireless outdoor sensor
- Climapro₁ RF wireless version available
- Climapro₁ wired version can be used with the smart wiring centre to offer two heating and one hot water zone. (S Plan Plus)
- Automatic daylight saving time



| | |
|------------------------------|---|
| Room Thermostat | |
| Programmable Room Thermostat | ✓ |
| Wireless Controls | ✓ |
| Load Compensation | ✓ |
| Weather Compensation* | ✓ |

*When an outdoor sensor is included

**Class VI possible when used with outdoor sensor

Climapro₂ RF Wireless Programmable Thermostat

- Wireless thermostat works anywhere in the home
- Wall bracket for base location and secure storage
- RF receiver slots into the boiler, simple wireless setup, no electrician required
- User friendly design with bright backlight
- Clear straightforward menus to set heating & hot water programmes
- Annual service reminder and auto daylight saving time
- eBus connected Climapro₂ RF means the boiler will modulate to manage heating in the most efficient way possible
- Weather compensation using a simple wireless outdoor sensor



| | |
|------------------------------|---|
| Room Thermostat | |
| Programmable Room Thermostat | ✓ |
| Wireless Controls | ✓ |
| Load Compensation | ✓ |
| Weather Compensation* | ✓ |

*When an outdoor sensor is included

**Class VI possible when used with outdoor sensor

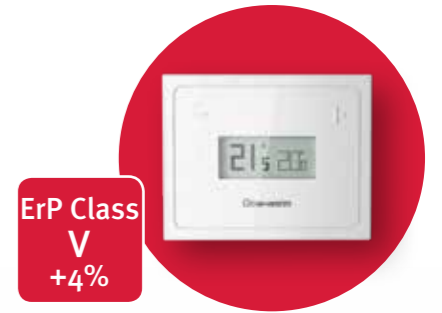
Wired & Wireless Outdoor Sensor

- Enables weather compensation when paired with Climapro₁ & Climapro₂
- Works on indirect sunlight which re-charges the small PV cells
- Simple and quick to install
- No batteries required

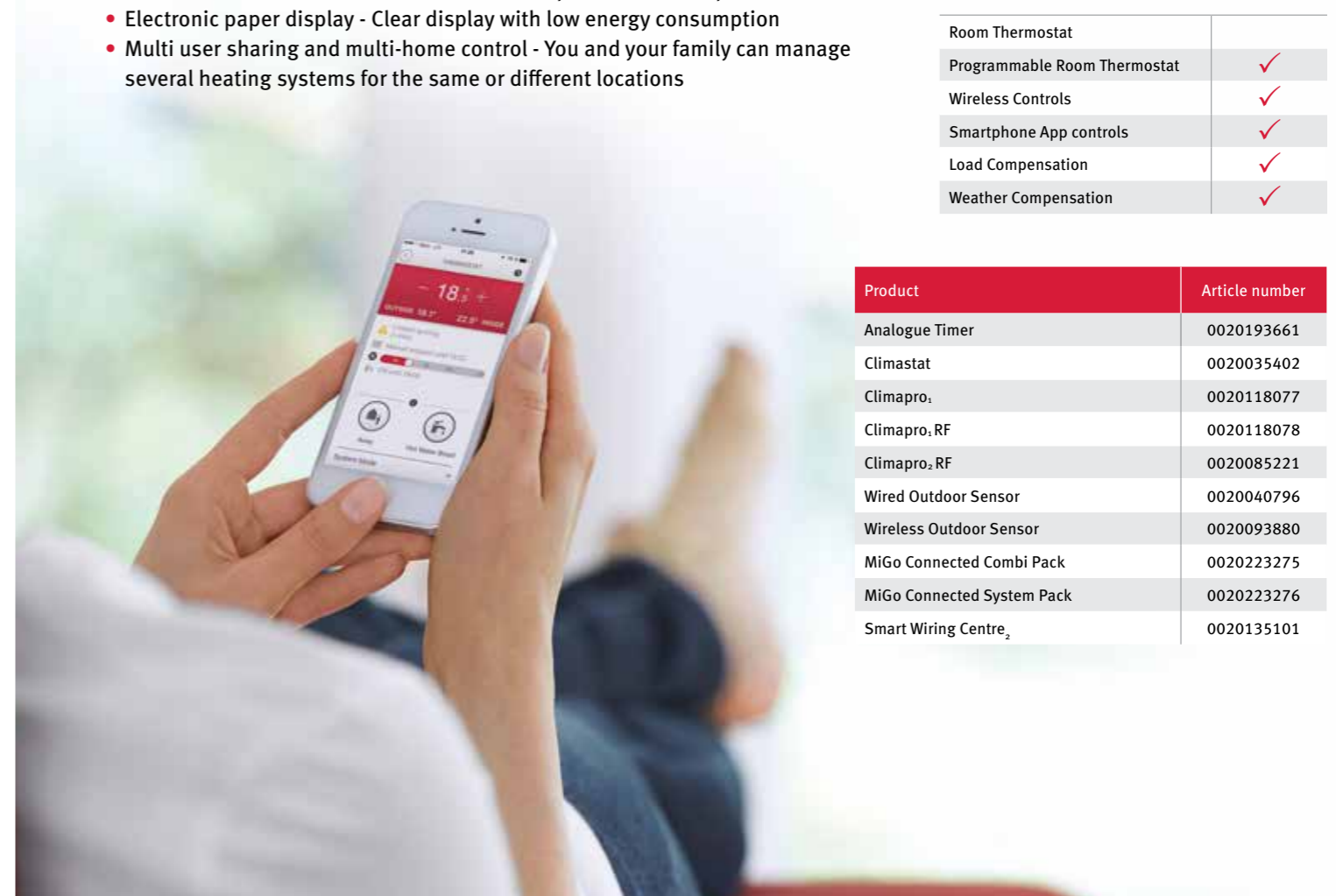


MiGo Smart Control

- Smart phone app for Apple & Android devices to manage heating & hot water on the go
- Simple & straightforward installation - Installed and running in less than 30 minutes
- Easy & intuitive interface - Fast and straightforward temperature control
- Self learning - MiGo automatically learns the energy requirements of your home
- Installation assistant - Seriously simple step by step pairing process
- Internet weather compensation - MiGo only ever uses your energy as and when it needs to without an outside temperature sensor
- Energy consumption monitoring - Gas and electricity consumption for both heating and DHW
- eBUS communication - MiGo and Glow-worm boilers speak the same 'language'!
- One heating circuit and DHW management - DHW and central heating control from one device
- In room thermostat can be wall mounted or a portable table top version
- Electronic paper display - Clear display with low energy consumption
- Multi user sharing and multi-home control - You and your family can manage several heating systems for the same or different locations



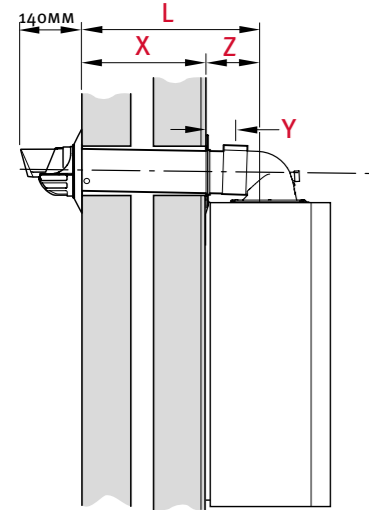
| | |
|------------------------------|---|
| Room Thermostat | |
| Programmable Room Thermostat | ✓ |
| Wireless Controls | ✓ |
| Smartphone App controls | ✓ |
| Load Compensation | ✓ |
| Weather Compensation | ✓ |



| Product | Article number |
|----------------------------------|----------------|
| Analogue Timer | 0020193661 |
| Climastat | 0020035402 |
| Climapro ₁ | 0020118077 |
| Climapro ₁ RF | 0020118078 |
| Climapro ₁ RF | 0020085221 |
| Wired Outdoor Sensor | 0020040796 |
| Wireless Outdoor Sensor | 0020093880 |
| MiGo Connected Combi Pack | 0020223275 |
| MiGo Connected System Pack | 0020223276 |
| Smart Wiring Centre ₂ | 0020135101 |

Flueing options

Horizontal top side flue (standard)

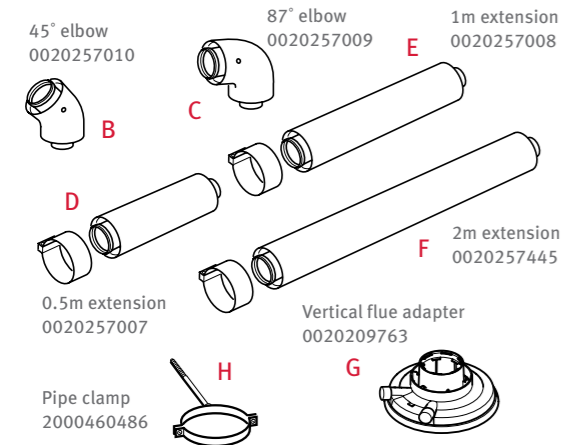


L = Flue length, measured from outside wall face to centre line of flue outlet.
 X = Wall thickness.
 Y = Distance from wall to edge of air duct on flue elbow.
 Z = Distance from centre line of flue outlet to inside wall face.
 The maximum flue length with extensions must not be exceeded (refer to L in table below).
 For each additional 90° or 2 x 45° bends fitted, the maximum flue length must be reduced by 1m. The pipe length is reduced by 500mm for each 45° elbow and 1m for each 87° elbow used.

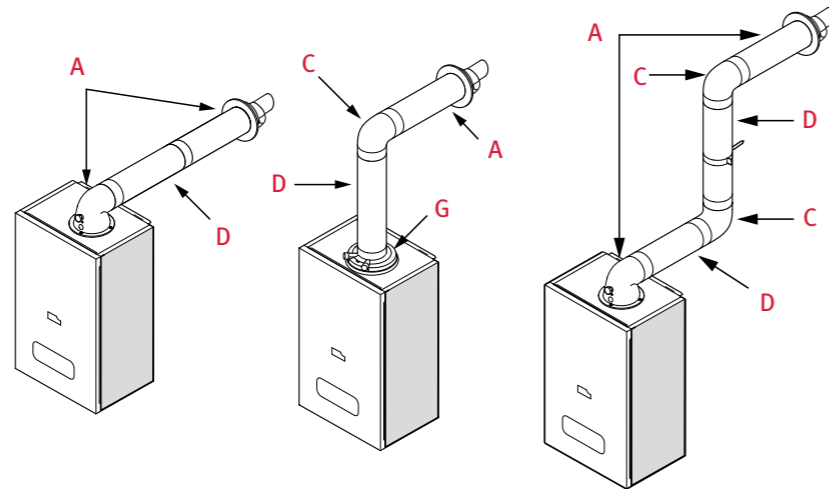
| Model | L Max with extensions | X (mm) | | Y (mm) | Z (mm) | Horizontal standard flue 0020219523* |
|---------------------------|-----------------------|--------|-----|--------|--------|--------------------------------------|
| | | Min | Max | | | |
| Ultimate ₃ 30c | 10m | | | | | |
| Ultimate ₃ 35c | 6m | 75 | 645 | 65 | 150 | |
| Ultimate ₃ 25s | 10m | | | | | |
| Ultimate ₃ 25r | 10m | | | | | |

* white terminal as standard, for black terminal use 0020219538

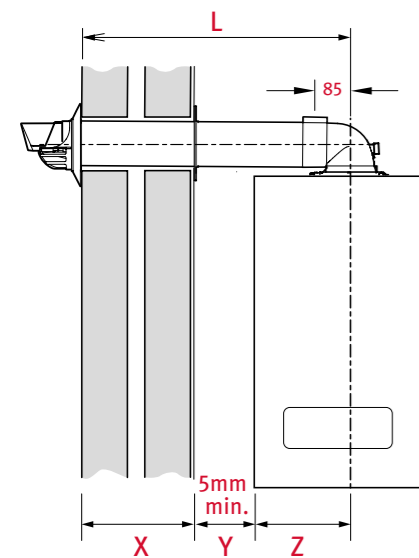
Horizontal Accessories



Flueing examples using extensions and bends



Horizontal top side flue (standard)

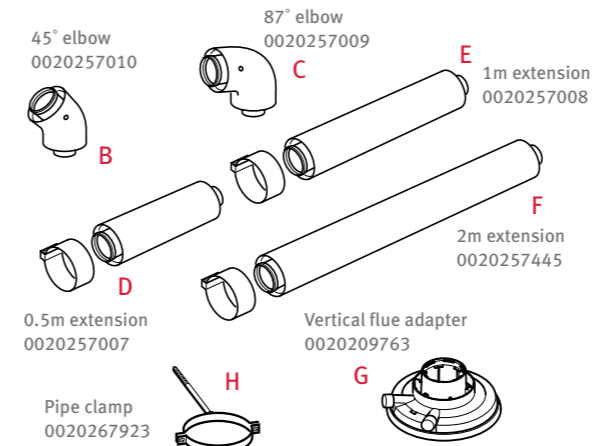


L = Flue length, measured from outside wall face to centre line of flue outlet.
 X = Wall thickness.
 Y = Distance from the side of the boiler to the inside wall face.
 Z = Distance from centre line of flue outlet to the side of the boiler.
 The maximum flue length with extensions must not be exceeded (refer to L in table below).
 For each additional 90° or 2 x 45° bends fitted, the maximum flue length must be reduced by 1m. The pipe length is reduced by 500mm for each 45° elbow and 1m for each 87° elbow used.

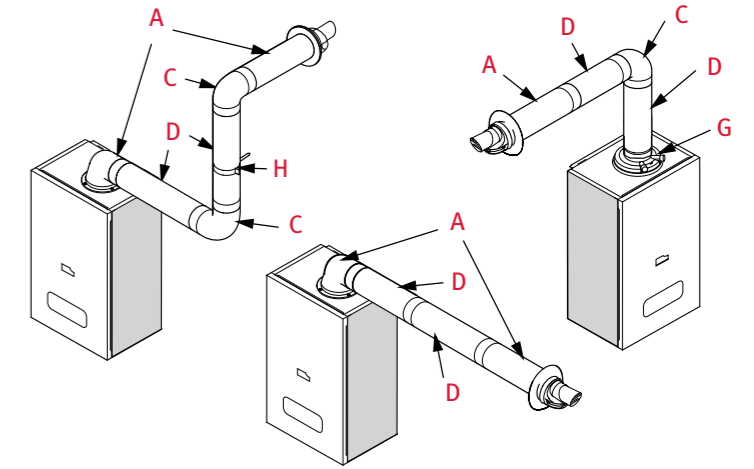
| Model | L Max with extensions | X (mm) | | Z (mm) | Horizontal standard flue 0020219523* |
|---------------------------|-----------------------|--------|-----|--------|--------------------------------------|
| | | Min | Max | | |
| Ultimate ₃ 30c | 10m | | | | |
| Ultimate ₃ 35c | 6m | 75 | 600 | 150 | |
| Ultimate ₃ 25s | 10m | | | | |
| Ultimate ₃ 25r | 10m | | | | |

* white terminal as standard, for black terminal use 0020219538

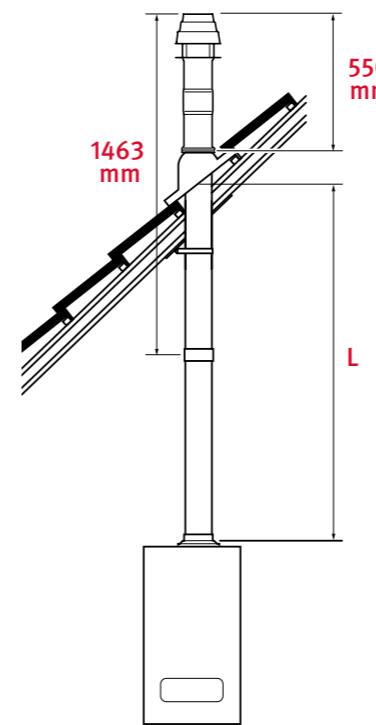
Horizontal Accessories



Flueing examples using extensions and bends



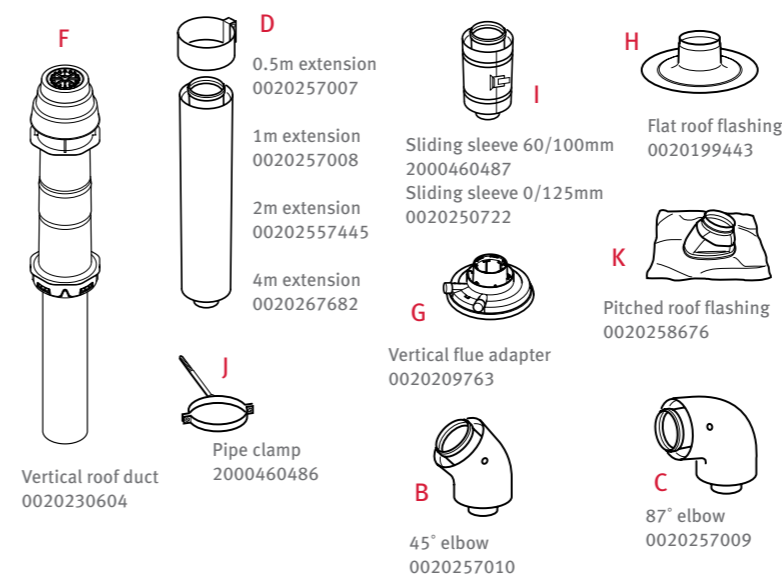
Vertical flue options



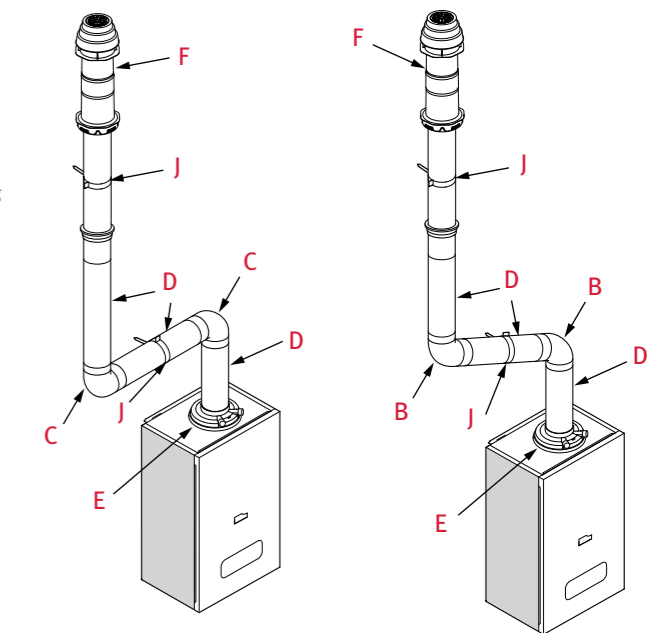
L = Flue length, measured from the top of the boiler to the underside of the roof flashing
 Maximum flue length is 10m plus external vertical roof terminal.
 The maximum flue length must not be exceeded (refer to L in table below).
 For each additional 90° or 2 x 45° bends fitted, the maximum flue length must be reduced by 1m.
 The pipe length is reduced by 500mm for each 45° elbow and 1m for each 87° elbow used.
 Vertical flue options use the same 100mm diameter flue components as the horizontal flue options.
 The vertical flue adaptor G is required for vertical installations.

| Model | L Max with extensions | Description of parts | Part number |
|--|-----------------------|-----------------------|-------------|
| Ultimate ₃ 30c Ultimate ₃ 35c Ultimate ₃ 25s Ultimate ₃ 25r | 10m | 0.5m extension | 0020257007 |
| | 6m | 1m extension | 0020257008 |
| | 10m | 2m extension | 0020257445 |
| | 10m | 4m extension | 0020228143 |
| | | Vertical flue adaptor | 0020209763 |
| | | Vertical roof duct | 0020230604 |

Vertical Accessories



Flueing examples using extensions and bends



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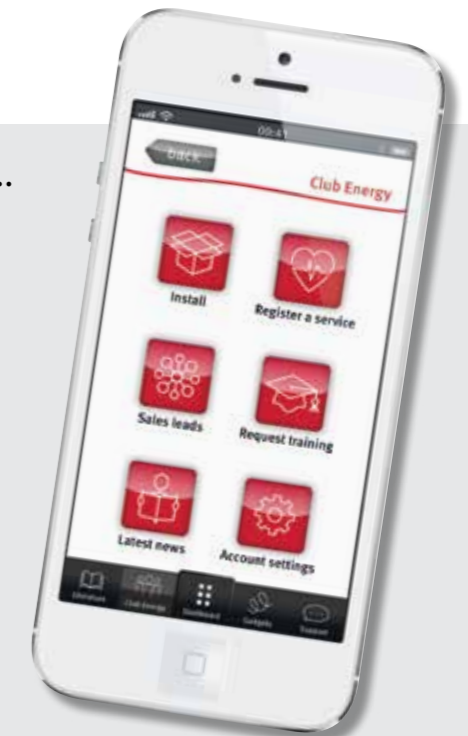
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