

# Energy

The power of connectivity

Glow-worm

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# Energy At the heart of your business...



## Introducing the new Energy boiler range from Glow-worm

By choosing Energy, you're actually investing in a whole new connected way of working which is designed to make your life easier and your business more successful.

Energy uses the power of connectivity via the Plumbing Toolbox App to give you access to technical help, training and support from Glow-worm.

Plumbing Toolbox connects you to your business, and significantly reduces the time you spend on admin - letting you register your Gas Safe notifications and complete Benchmark on the go. You can even buy extended warranties direct from your phone and register your installations for a superb range of rewards from the Club Energy loyalty programme. You can also build your business by connecting

with Club Energy to get access to a range of really useful business development tools to give you a professional edge.

It doesn't end there. Energy even gives your customers connectivity, allowing them to control their heating from wherever they happen to be using the MiGo App. Your customers can also connect online with you and their Energy boiler using myGlow-worm.co.uk to access vital documents & manuals, how-to videos, servicing information and the latest energy saving tips. It's all about self service and your customers can easily connect with you whenever they need to book a service or get a quote.

Connectivity is at the heart of Energy, and it really is a big deal - let's talk some more about it...

... and your customers' homes

# Energy The power of connectivity...

## Efficient & high quality boiler range

The Energy boiler includes a new unique automotive grade aluminum heat exchanger, delivering class leading performance and efficiency.



## A wide range of options to suit any home

Energy has a wide range of outputs, covering combi, system and regular installations, along with a choice of rear or top flues allowing you to install virtually anywhere - even a kitchen cupboard. Energy will suit the heating demands of most house types and system requirements.



## Modern design and great display

Energy has modern design which will suit your customer's homes and comes with a bright, easy to read LCD display.



## Great choice of easy to install heating controls

Energy comes with a great choice of simple to install controls, from basic wall mounted thermostats to wireless controls with weather compensation to improve heating efficiency even further. Unique to Energy is the MiGo smart phone connected solution which enables customers to manage their heating demands wherever they are – away from home, at work or on holiday.



\* Available from October 2015

## Online customer self service using myGlow-worm.co.uk

Your customers can connect to their Energy online with myGlow-worm.co.uk where they can find the important documents such as their guarantee, Gas Safe Certificate, Benchmark and useful manuals and how-to videos. This easy to use self-service website also means they can connect with you easily when the service is due and maintain their guarantee, keeping Energy running efficiently.



## Industry leading choice of warranties

For extra piece of mind you can offer customers an industry leading choice of warranty, from the standard 2 years all the way up to a 15 year warranty when registered via the Club Energy loyalty programme. Whichever warranty your customer chooses, you can be assured it is backed by the nationwide Glow-worm service and spares operation.



## Install an easier way of working with Plumbing Toolbox

Plumbing Toolbox makes it even easier to install, allowing you to complete the registration, warranty, Gas Safe notification and Benchmark on your phone - saving you time and money. Plumbing Toolbox even reminds you and your customer when it's due a service - which means you can even manage your service business from your phone!





Product benefits

- **Wide product range**  
An Energy for virtually any installation
- **Top and rear flue options**  
Rear and top flue flexibility means that Energy will fit most install situations - especially good for retrofit installation!
- **High quality automotive grade aluminium heat exchanger**  
Designed to last longer, easy to maintain, super quiet and reduces customers' energy bills.
- **Compact size**  
Small footprint boiler range that offers the choice to install in more locations, including a kitchen cupboard.
- **Modern bright LCD display**  
Excellent clarity of boiler information wherever it is installed, making it easy to change and confirm settings in dimly lit areas.
- **High efficiency modulating Grundfos pump**  
Lower running costs as the pump adapts to actual heating and hot water demand.



FREE 5 year warranty option to increase to 7, 10 and 15 years



ErP ready



Direct rear flue



Built in the UK



Ultra quiet operation

\*Free 5 year warranty when registered on Club Energy

Energy combi boiler

The Energy combi boiler comes with a great range of outputs, attractive modern design, bright easy to use interface and a choice of controls.

Energy is a light and compact boiler with a choice of rear or top flue making it easy to install in any situation. Using an industry standard DIN layout makes boiler swaps quick and the aluminium heat exchanger has large waterways making it perfect for retrofit jobs.

Energy just requires simple water flush cleaning for the heat exchanger which means lower costs and no special cleaning tools. The patented 4 sided cooling reduces the stress on the heat exchanger which means longer term reliability for your customers. Energy is supported by UK wide spare parts availability.

| Energy combi boilers              | 25kW                  | 30kW                  | 35kW                  |
|-----------------------------------|-----------------------|-----------------------|-----------------------|
| Casing dimensions (h w d)         | 700mm x 390mm x 280mm | 700mm x 390mm x 280mm | 700mm x 390mm x 280mm |
| DHW flow rate (l/min, 35C rise)   | 10.4l/min             | 12.5l/min             | 14.4l/min             |
| 60/100 Flue Length                |                       |                       |                       |
| Horizontal                        | 10m                   | 10m                   | 10m                   |
| Vertical                          | 10m                   | 10m                   | 10m                   |
| SEDBUK 2009 annual efficiency (%) | 89.3                  | 89.3                  | 89.2                  |
| ErP Rating (Heating/DHW)          | A/A                   | A/A                   | A/A                   |
| Rear Flue                         | Yes                   | Yes                   | Yes                   |
| Article Number                    | 0010015652            | 0010015653            | 0010015654            |

Accessories

Energy has a great choice of intelligent controls and accessories to deliver the most efficient heating system for your customers.



**MiGo**  
WiFi connected single zone control



**Climapro<sub>2</sub> RF**  
Wireless programmable room thermostat



**Climapro<sub>1</sub>**  
Programmable room thermostat

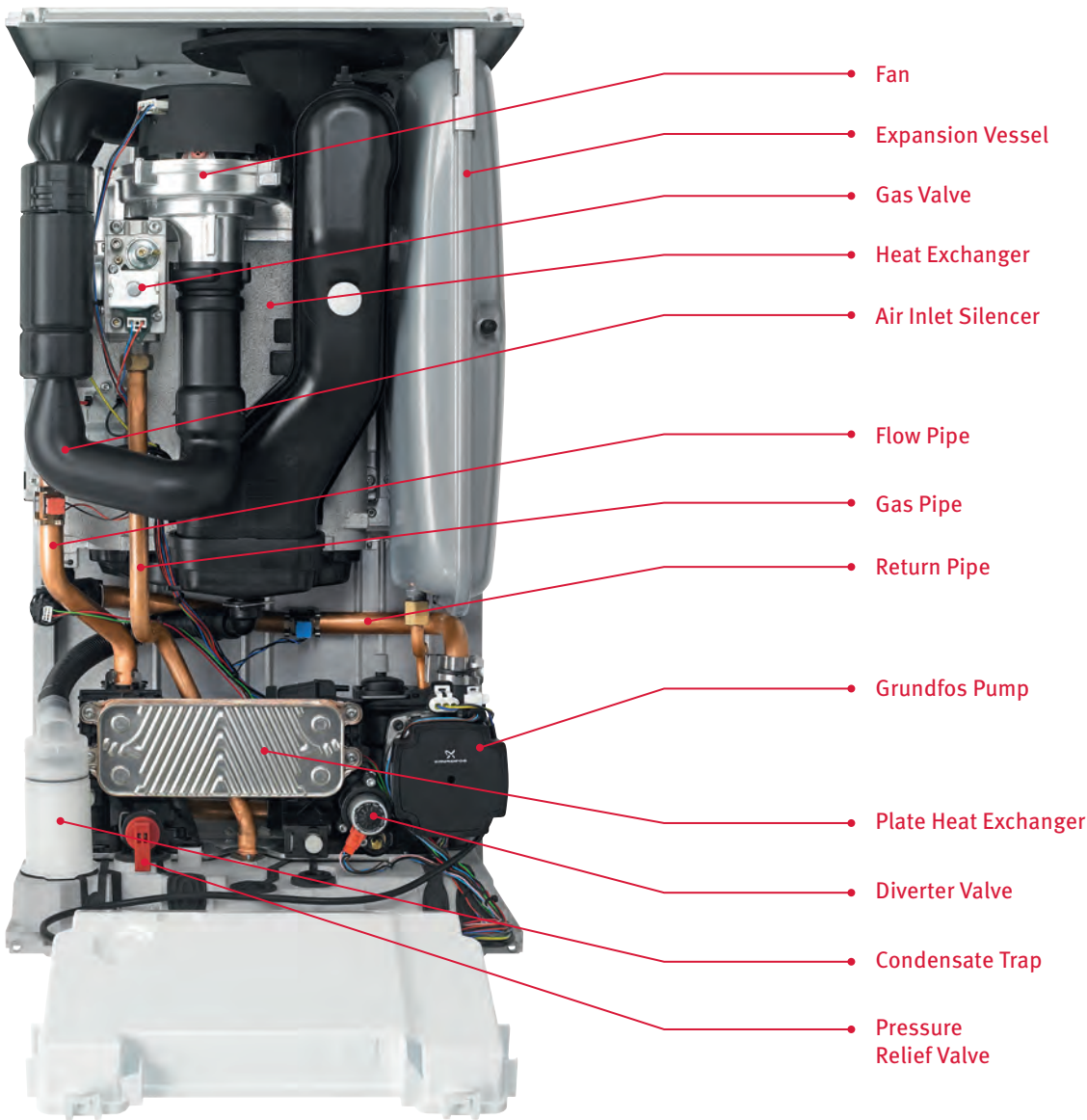


**Climastat**  
Easy to use digital room thermostat



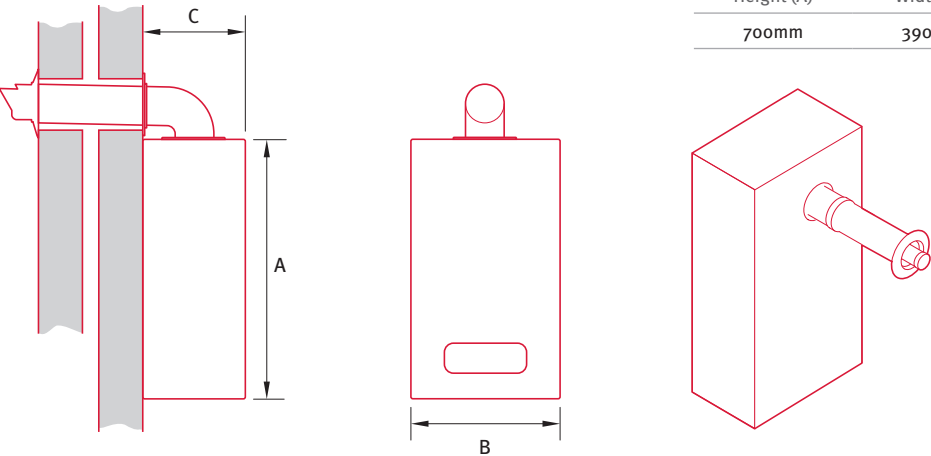
**Optiflue**  
Passive Flue Gas Heat Recovery Device

Technical specifications



Boiler dimensions

| Height (A) | Width (B) | Depth (C) |
|------------|-----------|-----------|
| 700mm      | 390mm     | 280mm     |



Energy combi boilers

| Energy combi boilers                 | 25kW               | 30kW               | 35kW               |
|--------------------------------------|--------------------|--------------------|--------------------|
| Casing dimensions (h w d) (mm)       | 700 x 390 x 280    | 700 x 390 x 280    | 700 x 390 x 280    |
| Weight (lift) (kg)                   | 32                 | 32                 | 33                 |
| Performance                          |                    |                    |                    |
| CH output (kW)                       | 25                 | 30                 | 35                 |
| DHW output (kW)                      | 25.7               | 30.6               | 35.7               |
| DHW flow rate (l/min, 35°C rise)     | 10.4               | 12.5               | 14.4               |
| Minimum operating pressure (bar)     | 0.3                | 0.3                | 0.3                |
| Min pressure for max flow            | 1.0                | 1.0                | 1.0                |
| SEDBUK 2009 annual efficiency (%)    | 89.3               | 89.3               | 89.2               |
| ErP Rating Heating                   | A                  | A                  | A                  |
| ErP Rating DHW                       | A                  | A                  | A                  |
| NOx class 5 (natural gas)            | Yes                | Yes                | Yes                |
| Construction                         |                    |                    |                    |
| Heat exchanger material              | Aluminium          | Aluminium          | Aluminium          |
| Burner type                          | Downward firing    | Downward firing    | Downward firing    |
| Fully modulating                     | Yes                | Yes                | Yes                |
| DHW plate heat exchanger             | Stainless          | Stainless          | Stainless          |
| Integrated hydrobloc                 | Yes                | Yes                | Yes                |
| Installation                         |                    |                    |                    |
| Suitable for sealed systems          | Yes                | Yes                | Yes                |
| Filling loop                         | Integrated         | Integrated         | Integrated         |
| Inbuilt system bypass                | Yes                | Yes                | Yes                |
| Inbuilt condensate trap/siphon       | Yes                | Yes                | Yes                |
| Inbuilt frost protection             | Yes                | Yes                | Yes                |
| Zero compartment ventilation         | Yes                | Yes                | Yes                |
| Pump                                 | Grundfos           | Grundfos           | Grundfos           |
| Clearances                           |                    |                    |                    |
| Top (mm)                             | 300                | 300                | 300                |
| Side (mm)                            | 0.5*               | 0.5*               | 0.5*               |
| Bottom (mm)                          | 300                | 300                | 300                |
| Front (mm)                           | 600**              | 600**              | 600**              |
| User Interface                       |                    |                    |                    |
| Diagnostics                          | Advanced/Intuitive | Advanced/Intuitive | Advanced/Intuitive |
| User adjustable CH temp control      | Yes                | Yes                | Yes                |
| User adjustable DHW temp control     | Yes                | Yes                | Yes                |
| Warm Start                           | Yes                | Yes                | Yes                |
| Accessories                          |                    |                    |                    |
| Optional spacing frame               | Yes                | Yes                | Yes                |
| Plug in mechanical timer             | Optional           | Optional           | Optional           |
| Aesthetic pipe cover                 | Yes                | Yes                | Yes                |
| Optiflue compatible (PFGHRD)         | Yes                | Yes                | Yes                |
| Flues                                |                    |                    |                    |
| Max horizontal 60/100                | 10m                | 10m                | 10m                |
| Max vertical 60/100                  | 10m                | 10m                | 10m                |
| Max horizontal 80/125                | 25m                | 25m                | 25m                |
| Max Vertical 80/125                  | 25m                | 25m                | 25m                |
| Optional plume management kit 60/100 | Yes                | Yes                | Yes                |
| Direct Rear Flue                     | Yes                | Yes                | Yes                |

\* See manual for clearance if side panels to be removed to assist future service and maintenance  
\*\* 5mm if removable panel/door



Product benefits

- **Wide product range**  
An Energy for virtually any installation
- **Top and rear flue options**  
Rear and top flue flexibility means that Energy will fit most install situations - especially good for retrofit installation!
- **High quality automotive grade aluminium heat exchanger**  
Designed to last longer, easy to maintain, super quiet and reduces customers' energy bills.
- **Compact size**  
Small footprint boiler range that offers the choice to install in more locations, including a kitchen cupboard.
- **Modern bright LCD display**  
Excellent clarity of boiler information wherever it is installed, making it easy to change and confirm settings in dimly lit areas.
- **High efficiency modulating Grundfos pump**  
Lower running costs as the pump adapts to actual heating and hot water demand.



FREE 5 year warranty  
Option to increase to 7, 10 and 15 years



ErP ready



Direct rear flue



Built in the UK



Ultra quiet operation

\*Free 5 year warranty when registered on Club Energy

Energy system boiler

The Energy system boiler comes with a great range of outputs, attractive modern design, bright easy to use interface and a choice of controls. The Energy sealed system boiler range is suitable for homes with high hot water demands and can be installed with Glow-worm's range of cylinders for hot water storage.

Energy is a light and compact boiler with a choice of rear or top flue making it easy to install in any situation. Using an industry standard DIN layout makes boiler swaps quick and the aluminium heat exchanger has large waterways making it perfect for retrofit jobs.

Energy just requires simple water flush cleaning for the heat exchanger which means lower costs and no special cleaning tools. The patented 4 sided cooling reduces the stress on the heat exchanger which means longer term reliability for your customers. Energy is supported by UK wide spare parts availability.

| Energy system boilers             | 12kW                  | 15kW                  | 18kW                  | 25kW                  | 30kW                  |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Casing dimensions (h w d)         | 700mm x 390mm x 280mm | 700mm x 390mm x 280mm | 700mm x 390mm x 280mm | 700mm x 390mm x 280mm | 700mm x 390mm x 280mm |
| 60/100 Flue Length                |                       |                       |                       |                       |                       |
| Horizontal                        | 10m                   | 10m                   | 10m                   | 10m                   | 10m                   |
| Vertical                          | 10m                   | 10m                   | 10m                   | 10m                   | 10m                   |
| SEDBUK 2009 annual efficiency (%) | 89.4                  | 89.4                  | 89.4                  | 89.4                  | 89.3                  |
| ErP Rating                        | A                     | A                     | A                     | A                     | A                     |
| Rear Flue                         | Yes                   | Yes                   | Yes                   | Yes                   | Yes                   |
| Article Number                    | 0010015655            | 0010015656            | 0010015657            | 0010015658            | 0010015659            |

Accessories

Energy has a wide choice of intelligent controls and accessories to deliver the most efficient heating system for your customers.



**MiGo**  
WiFi connected single zone control



**Climapro<sub>2</sub> RF**  
Wireless programmable room thermostat



**Climapro<sub>1</sub>**  
Programmable room thermostat



**Climastat**  
Easy to use digital room thermostat

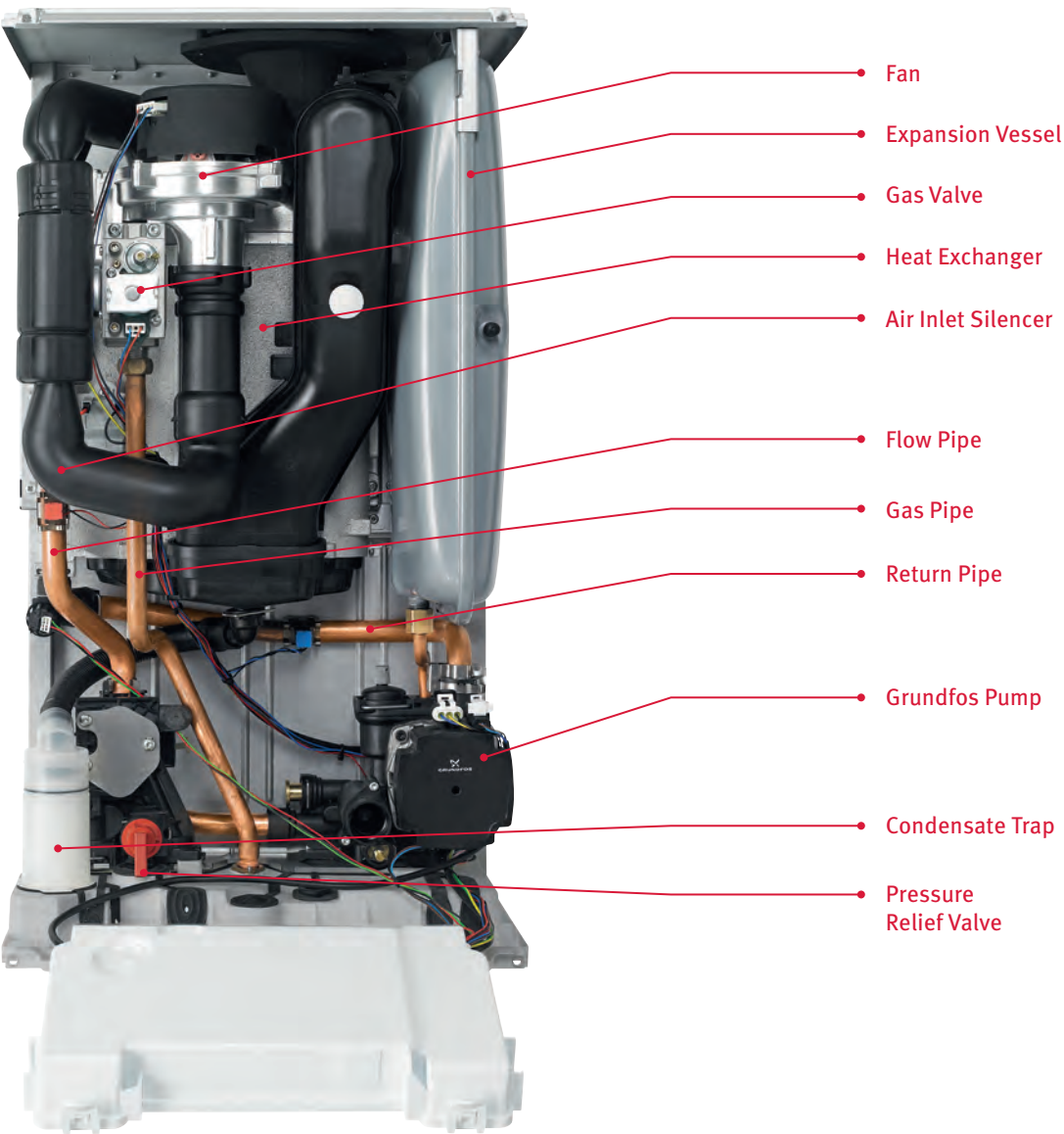


**Systempro<sub>3</sub>**  
Weather compensated multi zone wiring centre



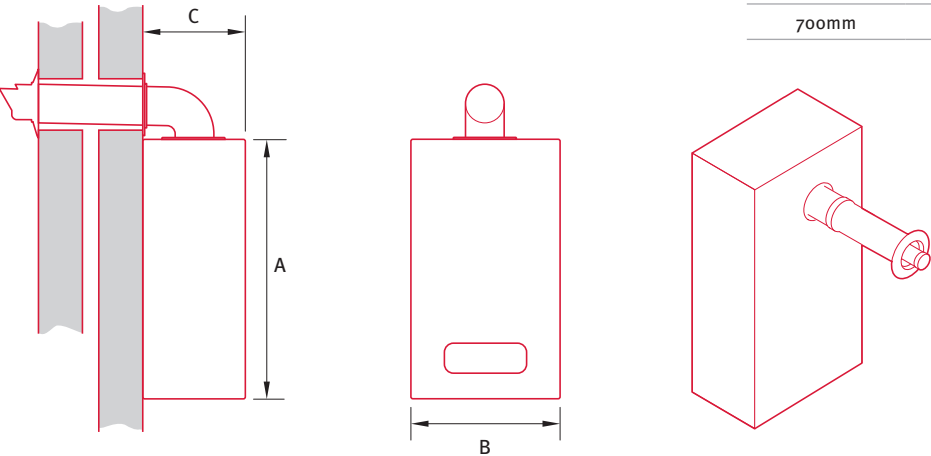
**Hydracyl**  
Full range of cylinders available

Technical specifications



Boiler dimensions

| Height (A) | Width (B) | Depth (C) |
|------------|-----------|-----------|
| 700mm      | 390mm     | 280mm     |



Energy system boilers

| Energy system boilers                | 12kW               | 15kW               | 18kW               | 25kW               | 30kW               |
|--------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Casing dimensions (h w d) (mm)       | 700 x 390 x 280    | 700 x 390 x 280    | 700 x 390 x 280    | 700 x 390 x 280    | 700 x 390 x 280    |
| Weight (lift) (kg)                   | 31                 | 31                 | 31                 | 32                 | 32                 |
| Performance                          |                    |                    |                    |                    |                    |
| CH output (kW)                       | 12                 | 15                 | 18                 | 25                 | 30                 |
| Minimum operating pressure (bar)     | 0.3                | 0.3                | 0.3                | 0.3                | 0.3                |
| SEDBUK SAP 2009 rating (%)           | 89.4               | 89.4               | 89.4               | 89.4               | 89.3               |
| ErP Rating                           | A                  | A                  | A                  | A                  | A                  |
| NOx class 5 (natural gas)            | Yes                | Yes                | Yes                | Yes                | Yes                |
| Construction                         |                    |                    |                    |                    |                    |
| Heat exchanger material              | Aluminium          | Aluminium          | Aluminium          | Aluminium          | Aluminium          |
| Burner type                          | Downward firing    | Downward firing    | Downward firing    | Downward firing    | Downward firing    |
| Fully modulating                     | Yes                | Yes                | Yes                | Yes                | Yes                |
| Installation                         |                    |                    |                    |                    |                    |
| Suitable for sealed systems          | Yes                | Yes                | Yes                | Yes                | Yes                |
| Inbuilt condensate trap/siphon       | Yes                | Yes                | Yes                | Yes                | Yes                |
| Inbuilt frost protection             | Yes                | Yes                | Yes                | Yes                | Yes                |
| Zero compartment ventilation         | Yes                | Yes                | Yes                | Yes                | Yes                |
| Pump                                 | Grundfos           | Grundfos           | Grundfos           | Grundfos           | Grundfos           |
| Clearances                           |                    |                    |                    |                    |                    |
| Top (mm)                             | 300                | 300                | 300                | 300                | 300                |
| Side (mm)                            | 0/5*               | 0/5*               | 0/5*               | 0/5*               | 0/5*               |
| Bottom (mm)                          | 300                | 300                | 300                | 300                | 300                |
| Front (mm)                           | 600**              | 600**              | 600**              | 600**              | 600**              |
| User Interface                       |                    |                    |                    |                    |                    |
| Diagnostics                          | Advanced/Intuitive | Advanced/Intuitive | Advanced/Intuitive | Advanced/Intuitive | Advanced/Intuitive |
| User adjustable CH temp control      | Yes                | Yes                | Yes                | Yes                | Yes                |
| Accessories                          |                    |                    |                    |                    |                    |
| Optional spacing frame               | Yes                | Yes                | Yes                | Yes                | Yes                |
| Plug in mechanical timer             | Optional           | Optional           | Optional           | Optional           | Optional           |
| Aesthetic pipe cover                 | Yes                | Yes                | Yes                | Yes                | Yes                |
| Flues                                |                    |                    |                    |                    |                    |
| Max horizontal 60/100                | 10m                | 10m                | 10m                | 10m                | 10m                |
| Max vertical 60/100                  | 10m                | 10m                | 10m                | 10m                | 10m                |
| Max horizontal 80/125                | 25m                | 25m                | 25m                | 25m                | 25m                |
| Max Vertical 80/125                  | 25m                | 25m                | 25m                | 25m                | 25m                |
| Optional plume management kit 60/100 | Yes                | Yes                | Yes                | Yes                | Yes                |
| Direct Rear Flue                     | Yes                | Yes                | Yes                | Yes                | Yes                |

\* See manual for clearance if side panels to be removed to assist future service and maintenance  
\*\* 5mm if removable panel/door

# Energy regular boiler

The Energy regular (for open vent systems) boiler comes with a great range of outputs, attractive modern design, bright easy to use interface and a choice of controls. The Energy regular boiler range is suitable for homes with high hot water demands and can be installed with Glow-worm's range of cylinders for hot water storage.

Energy is a light and compact boiler with a choice of rear or top flue making it easy to install in any situation. Using an industry standard DIN layout makes boiler swaps quick and the aluminium heat exchanger has large waterways making it perfect for retrofit jobs.

Energy just requires simple water flush cleaning for the heat exchanger which means lower costs and no special cleaning tools. The patented 4 sided cooling reduces the stress on the heat exchanger which means longer term reliability for your customers. Energy is supported by UK wide spare parts availability.

| Energy regular Boilers            | 12kW                  | 15kW                  | 18kW                  | 25kW                  | 30kW                  |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Casing dimensions (h w d)         | 600mm x 375mm x 280mm | 600mm x 375mm x 280mm | 600mm x 375mm x 280mm | 600mm x 375mm x 280mm | 600mm x 375mm x 280mm |
| 60/100 Flue Length                |                       |                       |                       |                       |                       |
| Horizontal                        | 10m                   | 10m                   | 10m                   | 10m                   | 10m                   |
| Vertical                          | 10m                   | 10m                   | 10m                   | 10m                   | 10m                   |
| SEDBUK 2009 annual efficiency (%) | 89.4                  | 89.4                  | 89.4                  | 89.4                  | 89.3                  |
| ErP Rating                        | A                     | A                     | A                     | A                     | A                     |
| Rear Flue                         | Yes                   | Yes                   | Yes                   | Yes                   | Yes                   |
| Article Number                    | 0010015660            | 0010015661            | 0010015662            | 0010015663            | 0010015664            |

## Accessories

Energy has a wide choice of intelligent controls and accessories to deliver the most efficient heating system for your customers.



**MiGo**  
WiFi connected  
single zone control



**Climapro<sub>2</sub> RF**  
Wireless  
programmable  
room thermostat



**Climapro<sub>1</sub>**  
Programmable  
room thermostat



**Climastat**  
Easy to use digital  
room thermostat



**Systempro<sub>3</sub>**  
Weather  
compensated multi  
zone wiring centre



**Hydracyl**  
Full range of  
cylinders available

## Product benefits

- **Wide product range**  
An Energy for virtually any installation
- **Rear flue option**  
Rear and top flue flexibility means that Energy will fit most install situations - especially good for retrofit installation!
- **High quality automotive grade aluminium heat exchanger**  
Designed to last longer, easy to maintain, super quiet and reduces customers' energy bills.
- **Compact size**  
Small footprint boiler range that offers the choice to install in more locations, including a kitchen cupboard.
- **Modern bright LCD display**  
Excellent clarity of boiler information wherever it is installed, making it easy to change and confirm settings in dimly lit areas.



FREE 5 year warranty  
Option to increase to  
7, 10 and 15 years



ErP ready



Direct rear flue



Built in the UK



Ultra quiet operation

\*Free 5 year warranty when registered on Club Energy

Technical specifications

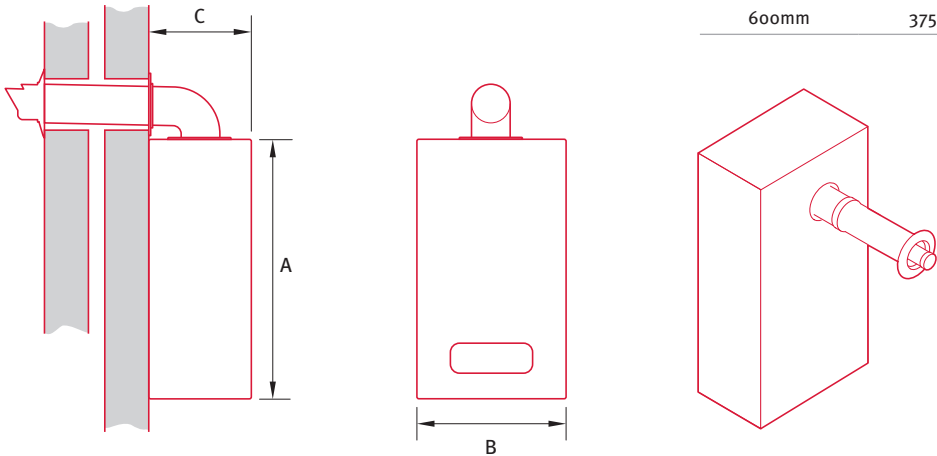
Energy regular boilers

| Energy regular boilers               | 12kW               | 15kW               | 18kW               | 25kW               | 30kW               |
|--------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Casing dimensions (h w d) (mm)       | 600 x 375 x 280    | 600 x 375 x 280    | 600 x 375 x 280    | 600 x 375 x 280    | 600 x 375 x 280    |
| Weight (lift) (kg)                   | 22                 | 22                 | 22                 | 23                 | 23                 |
| Performance                          |                    |                    |                    |                    |                    |
| CH output (kW)                       | 12                 | 15                 | 18                 | 25                 | 30                 |
| Minimum operating pressure (bar)     | 0.3                | 0.3                | 0.3                | 0.3                | 0.3                |
| SEDBUK SAP 2009 rating (%)           | 89.4               | 89.4               | 89.4               | 89.4               | 89.3               |
| ErP Rating                           | A                  | A                  | A                  | A                  | A                  |
| NOx class 5 (natural gas)            | Yes                | Yes                | Yes                | Yes                | Yes                |
| Construction                         |                    |                    |                    |                    |                    |
| Heat exchanger material              | Aluminium          | Aluminium          | Aluminium          | Aluminium          | Aluminium          |
| Burner type                          | Downward firing    | Downward firing    | Downward firing    | Downward firing    | Downward firing    |
| Fully modulating                     | Yes                | Yes                | Yes                | Yes                | Yes                |
| Installation                         |                    |                    |                    |                    |                    |
| Inbuilt condensate trap/siphon       | Yes                | Yes                | Yes                | Yes                | Yes                |
| Inbuilt frost protection             | Yes                | Yes                | Yes                | Yes                | Yes                |
| Zero compartment ventilation         | Yes                | Yes                | Yes                | Yes                | Yes                |
| Clearances                           |                    |                    |                    |                    |                    |
| Top (mm)                             | 300                | 300                | 300                | 300                | 300                |
| Side (mm)                            | 0/5*               | 0/5*               | 0/5*               | 0/5*               | 0/5*               |
| Bottom (mm)                          | 300                | 300                | 300                | 300                | 300                |
| Front (mm)                           | 600**              | 600**              | 600**              | 600**              | 600**              |
| User Interface                       |                    |                    |                    |                    |                    |
| Diagnostics                          | Advanced/Intuitive | Advanced/Intuitive | Advanced/Intuitive | Advanced/Intuitive | Advanced/Intuitive |
| User adjustable CH temp control      | Yes                | Yes                | Yes                | Yes                | Yes                |
| Flues                                |                    |                    |                    |                    |                    |
| Max horizontal 60/100                | 10m                | 10m                | 10m                | 10m                | 10m                |
| Max vertical 60/100                  | 10m                | 10m                | 10m                | 10m                | 10m                |
| Max horizontal 80/125                | 25m                | 25m                | 25m                | 25m                | 25m                |
| Max Vertical 80/125                  | 25m                | 25m                | 25m                | 25m                | 25m                |
| Optional plume management kit 60/100 | Yes                | Yes                | Yes                | Yes                | Yes                |
| Direct Rear Flue                     | Yes                | Yes                | Yes                | Yes                | Yes                |

\* See manual for clearance if side panels to be removed to assist future service and maintenance  
\*\* 5mm if removable panel/door

Boiler dimensions

| Height (A) | Width (B) | Depth (C) |
|------------|-----------|-----------|
| 600mm      | 375mm     | 280mm     |



# Energy 35 Store

The Energy 35 Store is a fully integrated wall hung boiler, which combines the benefits of both a system and combi boiler in one package. It provides efficient heating and instant, unlimited domestic hot water, making it perfect for larger properties with a high domestic hot water demand.

The two 21 litre insulated tanks, housed inside the unit, provide a short re-heat time of less than 5 minutes and can significantly reduce heat loss. Energy 35 Store avoids the need to put in a hot water cylinder – reducing complexity, installation time and cost.

| Energy 35 Store Boiler            | 35kW                  |
|-----------------------------------|-----------------------|
| Casing dimensions (h w d)         | 890mm x 470mm x 561mm |
| DHW flow rate (l/min, 35°C rise)  | 19.7                  |
| 60/100 Flue Length                |                       |
| Horizontal                        | 10m                   |
| Vertical                          | 10m                   |
| SEDBUK 2009 annual efficiency (%) | 89.4%                 |
| ErP Rating (Heating/DHW)          | A/A                   |
| Rear Flue                         | No                    |
| Article Number                    | 0010017338            |
| Adjustable to LPG                 | Yes                   |

For more detail on the complete range of controls please refer to page 22

## Accessories

Energy Store has a wide choice of intelligent controls and accessories to deliver the most efficient heating system for your customers.



**MiGo**  
WiFi connected  
single zone control



**Climapro<sub>2</sub> RF**  
Wireless  
programmable  
room thermostat



**Climapro<sub>1</sub>**  
Programmable  
room thermostat



**Climastat**  
Easy to use digital  
room thermostat



**Systempro<sub>3</sub>**  
Weather  
compensated multi  
zone wiring centre



## Product benefits

- **Energy 35 Store has two highly insulated 21 litre integrated tanks**  
Provides high performance heating and instant, sustained hot water supply for larger properties.
- **High efficiency Combi Store technology**  
Offers fast re-generation times of less than 5 minutes for hot water demands and quicker than hot water cylinders.
- **DHW flow rate of 19.7 litres/minute**  
Rapid delivery to fill a bath quickly providing comfort and convenience.
- **Combined Combi with storage tanks in one unit**  
Avoids the need for a hot water cylinder to free up space and reduces complexity and cost of installation.



FREE 5 year warranty  
option to increase to  
7, 10 and 15 years



ErP ready

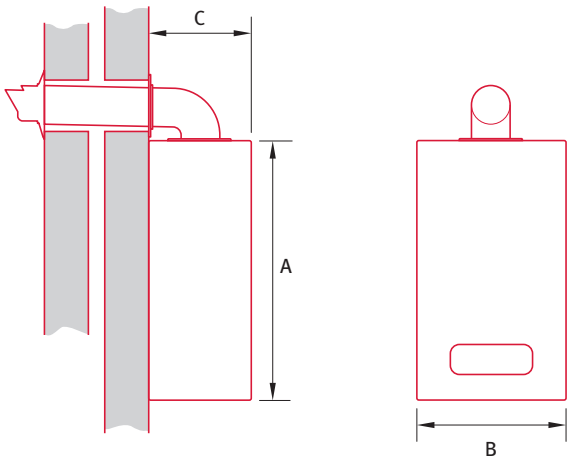
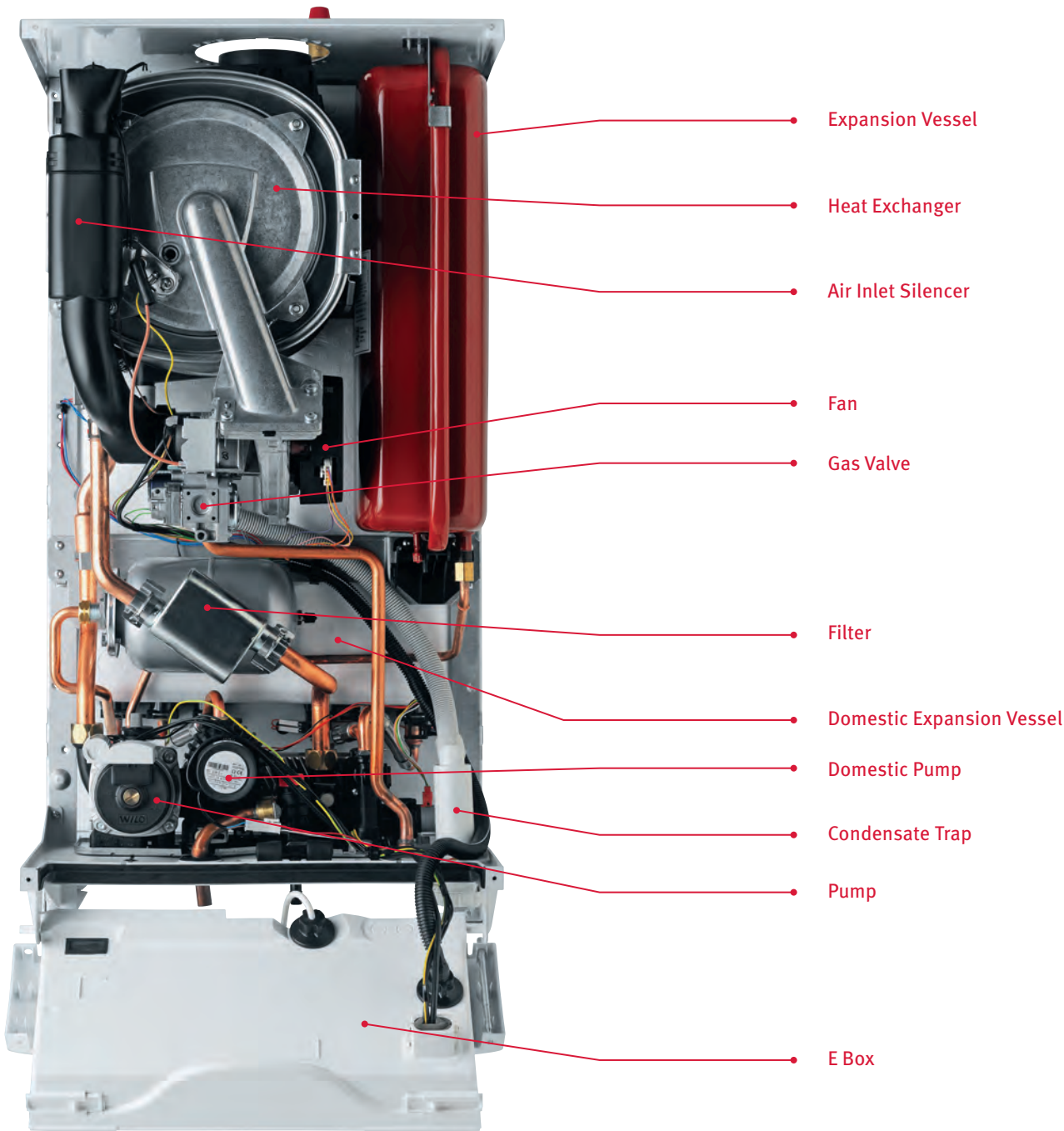


Unlimited domestic hot water



Ultra quiet operation

Technical specifications



Boiler dimensions

| Height (A) | Width (B) | Depth (C) |
|------------|-----------|-----------|
| 890mm      | 470mm     | 561mm     |

Energy 35 store boilers

| Energy combi storage boiler          | 35kW                |
|--------------------------------------|---------------------|
| Casing dimensions (h w d) (mm)       | 890 x 470 x 561     |
| Weight (lift) (kg)                   | 67                  |
| Performance                          |                     |
| CH output (kW) Min/Max               | 8.5/30.0            |
| DHW output (kW)                      | 8.7/35.7            |
| DHW flow rate (l/min, 35°C rise)     | 19.7                |
| Minimum operating pressure (bar)     | 0.3                 |
| Min pressure for max flow            | 1.0                 |
| SEDBUK 2009 annual efficiency (%)    | 89.4%               |
| ErP Rating Heating                   | A                   |
| ErP Rating DHW                       | A                   |
| NOx class 5 (natural gas)            | 5                   |
| Construction                         |                     |
| Heat exchanger material              | Stainless steel     |
| Burner type                          | pre mixed           |
| Fully modulating                     | Yes                 |
| DHW plate heat exchanger             | Yes                 |
| Integrated hydrobloc                 | Yes                 |
| Installation                         |                     |
| Suitable for sealed systems          | Yes                 |
| Filling loop                         | Yes                 |
| Inbuilt system bypass                | Yes                 |
| Inbuilt condensate trap/siphon       | trap                |
| Inbuilt frost protection             | 2 stage             |
| Zero compartment ventilation         | Yes                 |
| Pump                                 | Wilo Yonos HB15/7.5 |
| Clearances                           |                     |
| Top (mm)                             | 300                 |
| Side (mm)                            | 50 (L) / 150 (R)    |
| Bottom (mm)                          | 300                 |
| Front (mm)                           | 600                 |
| User Interface                       |                     |
| Diagnostics                          | Advanced/intuitive  |
| User adjustable CH temp control      | Yes                 |
| User adjustable DHW temp control     | Yes                 |
| Warm Start                           | Yes                 |
| Accessories                          |                     |
| Optional spacing frame               | Yes                 |
| Timer                                | Yes                 |
| Aesthetic pipe cover                 | No                  |
| Optiflue compatible (PFGHRD)         | Yes                 |
| Flues                                |                     |
| Max horizontal 60/100                | 10m                 |
| Max vertical 60/100                  | 10m                 |
| Max horizontal 80/125                | 25m                 |
| Max Vertical 80/125                  | 25m                 |
| Optional plume management kit 60/100 | Yes                 |
| Direct Rear Flue                     | No                  |

# Intelligent controls

All Glow-worm controls are exclusive to the Glow-worm boiler range. They are easy to install and are designed to provide your customer with the ultimate in efficiency, convenience and comfort.

## The world of controls explained

**eBus** is Glow-worm’s unique communication protocol that ensures our user controls can work intelligently with a Glow-worm heating system to achieve even greater efficiencies with load and weather compensation.

**Load compensation** uses the controls intelligently with the boiler to directly adjust the flow temperature and increase customer comfort levels. If the room is cold the hotter the flow temperature to the radiators, as the room gets warmer the flow temperature is cooler. Less time is needed to reach a set temperature, room temperature is more stable and the system is more efficient, which lowers energy bills.

**Weather compensation** uses our outdoor sensor to measure outside temperature and adjusts the flow temperature to meet daily heating demands. The colder it is outside, the hotter the flow temperature to the radiators. As the weather gets warmer the flow temperature is cooler. This ensures the boiler operates in the most efficient way to maintain stable temperature levels and lower energy bills further.



## Simple controls packs

We’ve developed a choice of controls packs to suit each different user requirement

### Traditional Plug-in Timer & Thermostat Pack

- Timer plugs straight into the boiler fascia
- Wall mounted Climastat connects using simple low voltage eBus
- Can use existing cables if replacing another thermostat
- Traditional interface for customers to set heating programmes
- eBus connected Climastat means the boiler will modulate to manage heating in the most efficient way possible



|                                |   |
|--------------------------------|---|
| Plug in Timer                  | ✓ |
| Room Thermostat                | ✓ |
| Programmable Room Thermostat   |   |
| Wireless controls              |   |
| Enhanced Load Compensation     | ✓ |
| Weather Compensation           |   |
| Achieves +3% on ErP Efficiency | ✓ |

### Climapro<sub>1</sub> Wired or Wireless Programmable Thermostat Pack

- 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 Climapro<sub>1</sub> means the boiler will modulate to manage heating in the most efficient way possible
- Weather compensation using a simple wireless outdoor sensor



|                                  |   |
|----------------------------------|---|
| Plug in Timer                    |   |
| Room Thermostat                  |   |
| Programmable Room Thermostat     | ✓ |
| Wireless controls                |   |
| Enhanced Load Compensation       | ✓ |
| Weather Compensation*            | ✓ |
| Achieves +3% on ErP Efficiency** | ✓ |

\*When an outdoor sensor is included  
\*\*+4% uplift in ErP when an outdoor sensor is included.

### Climapro<sub>2</sub> RF Wireless Programmable Thermostat Pack

- 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 Climapro<sub>2</sub> RF means the boiler will modulate to manage heating in the most efficient way possible
- Weather compensation using a simple wireless outdoor sensor



|                                  |   |
|----------------------------------|---|
| Plug in Timer                    |   |
| Room Thermostat                  |   |
| Programmable Room Thermostat     | ✓ |
| Wireless controls                | ✓ |
| Enhanced Load Compensation       | ✓ |
| Weather Compensation*            | ✓ |
| Achieves +3% on ErP Efficiency** | ✓ |

\*When an outdoor sensor is included  
\*\*+4% uplift in ErP when an outdoor sensor is included.

Simple controls packs continued

MiGo App based Programmable Thermostat Pack

- Smart phone App for iPhone & Android devices to manage heating & hot water on the go
- In room thermostat can be wall mounted or a portable table top version
- eBus connected MiGo means the boiler will modulate to manage heating in the most efficient way possible
- User profiles, energy usage reports, error reports
- Weather compensation using internet data

\* Available from October 2015



|                                |   |
|--------------------------------|---|
| Plug in Timer                  |   |
| Room Thermostat                |   |
| Programmable Room Thermostat   | ✓ |
| Wireless controls              | ✓ |
| Smartphone App controls        | ✓ |
| Enhanced Load Compensation     | ✓ |
| Weather Compensation*          | ✓ |
| Achieves +4% on ErP Efficiency | ✓ |

\*Using internet data

Multi-zone System Heating Controls Pack

- A weather compensated wiring centre to manage up to 3 heating zones and 1 DHW zone
- Offers complete system management for a boiler, cylinder and also heat pump
- Works with all Climapro programmable thermostats and wireless outdoor sensor
- Allows integration to under floor heating with a 24v input
- Central installer interface with easy to use menus to access data on maintenance, fault history, system parameters
- eBus connected controls means the boiler will modulate to manage heating in the most efficient way possible
- Weather compensation using a simple wireless outdoor sensor



|                                |   |
|--------------------------------|---|
| Plug in Timer                  |   |
| Room Thermostat                |   |
| Programmable Room Thermostat   | ✓ |
| Wireless controls              | ✓ |
| Enhanced Load Compensation     | ✓ |
| Weather Compensation*          | ✓ |
| Achieves +5% on ErP Efficiency | ✓ |

\*When an outdoor sensor is included

Service

Expert advice and support from installation to maintenance

Technical help

- If you have a technical question simply call our technical helpline on 0330 100 7679 or email [technical@glow-worm.co.uk](mailto:technical@glow-worm.co.uk) for a straightforward answer

System design

- Glow-worm's award winning Design Service is tailored to suit your individual site requirements
- We use state of the art CAD technology to provide efficient, high quality designs supported by full indemnity cover

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- Supporting you with technical help and after sales service online, over the telephone and on the road
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Literature

There are a number of easy ways for you to access Glow-worm product literature:

- Via our installer app - Plumbing Toolbox
- Via telephone 01773 596 105
- Available to download online at [www.glow-worm.co.uk](http://www.glow-worm.co.uk)
- Via email [literature@glow-worm.co.uk](mailto:literature@glow-worm.co.uk)



Order product brochures for your homeowner customers



## Training

Glow-worm deliver courses designed with you in mind

Further develop your knowledge and practical skills relating to the installation, fault finding and servicing of Glow-worm's high efficiency boiler range, alongside understanding how Glow-worm can support you and your business.

- Practical, hands-on training delivered by fully qualified trainers
- 7 state of the art Centres of Excellence located around the UK
- Industry leading training delivered in a relaxed and informal environment
- Keep up to date with new technologies and industry regulations

To book onto training please call 01773 596 156 or email [training@glow-worm.co.uk](mailto:training@glow-worm.co.uk) or book using the Plumbing Toolbox App



## Courses offered

**Level 1 is our Installer course covering** - the Energy range, key features and benefits, how to install & commission, tools available to support installation and reduce paperwork, accessories and controls.

**Level 2 is our Expert course covering** - servicing, maintenance, advanced features of Energy including diagnostics, fault codes and supporting tools, tips and tricks to make the job easier.

We also offer training for our other boiler ranges and renewable products

▶ To take advantage of our industry leading courses please call us on 01773 596 156 or email [training@glow-worm.co.uk](mailto:training@glow-worm.co.uk)



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