



A
Efficiency Rating

A
Efficiency Rating

A
Efficiency Rating

Potterton Assure range guide

High efficiency boilers

Experts in
public sector
housing and
newbuild

Manufactured
in the UK
for 150 years

Our boilers
use tried
and tested
technology

ErP Compliant



Totally dependable.

POTTERTON

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**Totally
dependable.**

Welcome

We've been a leading player in the heating industry since 1850. By making dependable products backed by trusted service, our success is built on customer satisfaction. You can rely on us at every stage of your project: from design and tender to installation, commissioning, handover and beyond. Whatever the size of the application, we're always here to help.

Before any Potterton boiler leaves our UK based factory, it must achieve a 100% pass rate throughout our rigorous testing programme. All our products use the latest, proven technology and represent energy efficient, environmentally friendly and easy-to-use home heating solutions.

We provide high quality service and technical support for the lifetime of the product. We work closely with our partners to promote environmental, social and economic sustainability, exceeding expectations and helping to meet carbon reduction targets.

Potterton – totally dependable.

**Experts in
public sector
housing and
newbuild**



**Manufactured
in the UK
for 150 years**



**Our boilers
use tried
and tested
technology**





Our commitment to you

Potterton can demonstrate our environmental credentials and our quality management systems through achieving the internationally recognised ISO 14001 and ISO 9001 standards.

We are fully committed to our company's Corporate Social Responsibility (CSR) policy, and we strive to work in a sustainable and decent way.

We are committed to operating an ethical business and quality assured supply chain that delivers exceptional customer satisfaction with class leading products and services.

We value our environment and are committed to minimising the carbon emissions in our workplace, products and throughout our supply chain.

We believe that investing in the health and welfare of our people is critical to our future success and long term sustainability.

We build partnerships at a local level by offering practical support such as work experience or training in schools, colleges, institutions, charities and local authorities.

Potterton delivers best value through reliable, energy efficient boilers, and excellent customer support and technical backup. Whichever boiler you choose, you can depend on Potterton.



Performance

We understand that consistent performance is vital. That's why we ensure all our products exceed customer needs – for capability, reliability and efficiency.



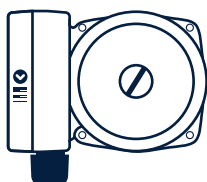
Service excellence

We're committed to delivering the highest standards of customer service possible. How? By supporting our customers every step of the way.



Engineering quality

We pride ourselves on offering great value solutions, but that doesn't mean we compromise on our technology, design and components.



Genuine parts

We stock parts for all our boilers for up to 10 years after they have stopped being made.



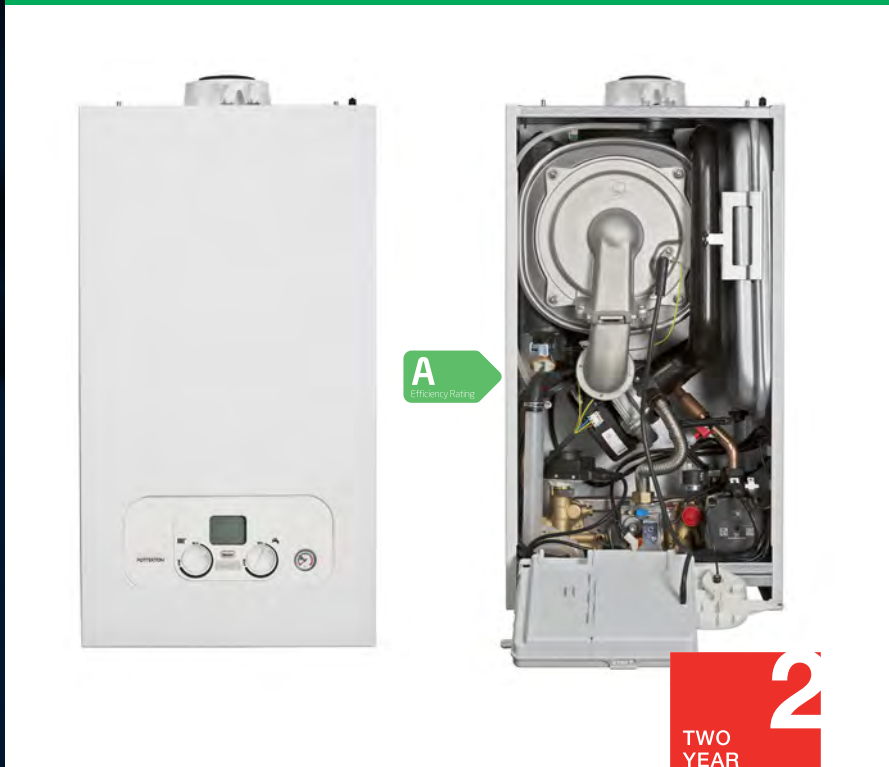
Customer support

Our responsive UK customer contact centre and nationwide network of Gas Safe registered engineers are here to help.



Sales support

Our dedicated teams understand the specific needs of the public sector and housebuilders.



Assure Combi



The Potterton Assure Combi has many smart features to make installation and maintenance faster, easier and more efficient. Suitable for both new build and refurbishment projects.

**25kW, 30kW
and 36kW**

Outputs

**From
29kg**

Installer lift
weight

**Compact
cupboard fit**

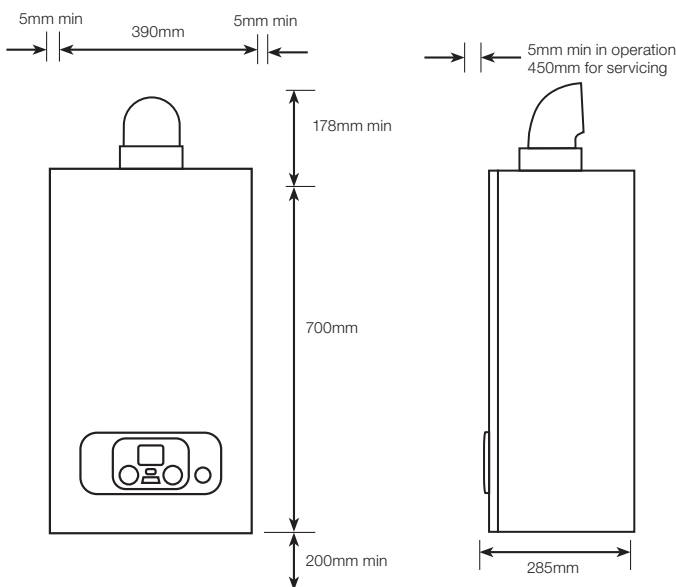
Discreet siting

Features and benefits

| Features | Benefits |
|--|---|
| Outputs: 25kW, 30kW and 36kW | To suit most property sizes |
| Compact cupboard fit | Can be installed in a 290mm deep cupboard for discreet siting |
| Built in stand off frame within boiler casing | Ease of installation, easy to site and pipework neatly concealed within footprint of boiler. Complete with pipe spacing bracket |
| Temporary filling link supplied as standard | For ease of filling and topping up system |
| From 29kg lift weight | For ease of installation |
| Vertical packaging | Allows for ease of access to all installation components from top of the packaging |
| Fully modulating and highly efficient | Boiler intelligently uses the right amount of fuel to meet the set central heating temperatures, saving money on fuel bills |
| Ease of service | No special tools or replacement seals required for standard service |
| Designed for servicing and maintenance | Maximum access to all components |
| Built in drip tray | Protection against water ingress in extreme weather conditions |
| Compatible with Baxi uSense | Enables heating to be controlled from your smart phone or tablet |
| IFOS optional outdoor weather sensor available | Enhances system control and customer comfort and complies with Boiler Plus |
| Central flue | For ease of siting and existing boiler replacement |
| Industry leading choice of flue lengths, bends and accessories | For maximum siting flexibility |
| Whisper quiet operation | Can be installed within living areas without causing disturbance to end users |
| LPG appliances available | Suitable for rural projects not on gas mains |
| 2 Year Warranty* | For extra peace of mind |

*subject to terms and conditions. see www.potterton.co.uk

Dimensions



Accessories and controls



7649277

Baxi uSense wired smart thermostat



720971401

Baxi wall mounted 24hr mechanical timer



7683084

Baxi IFOS In Flue Outdoor Sensor Kit



7683088

Multifit Safety Assist

See page 22 for full list of Potterton accessories and controls

Technical information

The Potterton Assure Combi is compatible with Flue Group A and G, please see pages 18 - 21 for full details on flue options available

Potterton Assure Combi

| | Units | 25 | 30 | 36 | 25 LPG | 30 LPG |
|------------|-------|---------|---------|---------|---------|---------|
| Sales code | | 7658129 | 7658130 | 7692619 | 7703806 | 7703807 |

Controls

| | | | | | | |
|---|--|-----|-----|-----|-----|-----|
| Reset button | | Yes | Yes | Yes | Yes | Yes |
| User adjustable DHW temperature | | Yes | Yes | Yes | Yes | Yes |
| User adjustable CH temperature | | Yes | Yes | Yes | Yes | Yes |
| LCD temp/status/fault diagnosis display | | Yes | Yes | Yes | Yes | Yes |

Gas

| | | | | | | |
|---------------------------------|----------------------|-------|-------|-------|-------|-------|
| Natural gas | | Yes | Yes | Yes | No | No |
| Nominal inlet supply pressure | mbar | 20 | 20 | 20 | 37 | 37 |
| Maximum gas rate | m ³ /h | 2.71 | 3.26 | 3.81 | - | - |
| Maximum LPG gas rate | kg/h | - | - | - | 1.98 | 2.38 |
| Propane LPG | | No | No | No | Yes | Yes |
| Heat input central heating (CH) | kW Max Gross(QnHs) | 22.86 | 28.58 | 28.58 | 22.86 | 28.58 |
| | kW Min Gross(QnHs) | 6.87 | 6.87 | 7.4 | 6.87 | 6.87 |
| Heat output CH non-condensing | kW Max (Pn) | 20.00 | 25.00 | 25.00 | 20.00 | 25.00 |
| | kW min (Pn) | 6.20 | 6.20 | 6.70 | 6.20 | 6.20 |
| Heat output CH condensing | kW max (Pnc) | 21.16 | 26.33 | 26.33 | 21.16 | 26.33 |
| | kW min (Pnc) | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 |
| Heat input domestic hot water | kW Max Gross (QnwHs) | 28.6 | 34.3 | 40.8 | 28.6 | 34.3 |
| Heat output domestic hot water | kW Max (Pn) | 25 | 30 | 36 | 25 | 30 |

ErP product information

| | | | | | | |
|--|--------|----|----|----|----|----|
| NOx | mg/kWh | 31 | 31 | 39 | 31 | 31 |
| NOx class | | 6 | 6 | 6 | 6 | 6 |
| Space heating efficiency class | | A | A | A | A | A |
| Water heating declared load profile | | XL | XL | XL | XL | XL |
| Water heating efficiency class | | A | A | A | A | A |
| Seasonal space heating energy efficiency | % | 93 | 93 | 93 | 93 | 93 |
| Sound power level, indoors | LwadB | 48 | 51 | 51 | 48 | 51 |

Electrical

| | | | | | | |
|---|----------|----------|----------|----------|----------|----------|
| Electrical supply | Volts/Hz | 230/50 | 230/50 | 230/50 | 230/50 | 230/50 |
| Permanent live required | | Yes | Yes | Yes | Yes | Yes |
| Power consumption | Watts | 68 | 78 | 112 | 68 | 78 |
| External fuse rating | Amps | 3 | 3 | 3 | 3 | 3 |
| Internal fuse rating | Amps | F2AH250V | F2AH250V | F2AH250V | F2AH250V | F2AH250V |
| Ingress protection rating | | IPX5D | IPX5D | IPX5D | IPX5D | IPX5D |
| Integral 'boiler only' frost thermostat | | Yes | Yes | Yes | Yes | Yes |

| | Units | 25 | 30 | 36 | 25 LPG | 30 LPG |
|--|-------|----|----|----|--------|--------|
|--|-------|----|----|----|--------|--------|

Mechanical

| | | | | | | |
|--------------------------------|----|----------|----------|----------|----------|----------|
| Pre-plumbing installation jig | | Optional | Optional | Optional | Optional | Optional |
| Isolating valves | | Yes | Yes | Yes | Yes | Yes |
| Gas supply connection | mm | 22 | 22 | 22 | 22 | 22 |
| Central heating connections | mm | 22 | 22 | 22 | 22 | 22 |
| Domestic hot water connections | mm | 15 | 15 | 15 | 15 | 15 |
| Condensate drain connection | mm | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 |
| Safety discharge connection | mm | 15 | 15 | 15 | 15 | 15 |

Hydraulic

| | | | | | | |
|--|-------------------|-------|-------|-------|-------|-------|
| Maximum domestic hot water flow rate | l/min @ 35°C rise | 10.2 | 12.2 | 15 | 10.2 | 12.2 |
| Domestic hot water operating flow rate (min) | l/min | 2.00* | 2.00* | 2.00* | 2.00* | 2.00* |
| Domestic hot water operating pressure (min) | bar | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Domestic hot water system pressure (max) | bar | 8 | 8 | 8 | 8 | 8 |
| Central heating safety discharge pressure | bar | 3 | 3 | 3 | 3 | 3 |
| Temporary rigid filling link included | | Yes | Yes | Yes | Yes | Yes |
| Integral automatic boiler bypass | | Yes | Yes | Yes | Yes | Yes |
| Integral expansion vessel capacity | litres | 7 | 7 | 7 | 7 | 7 |
| Max capacity of central heating system | litres | 100 | 100 | 100 | 100 | 100 |
| Compartment ventilation requirement | | No | No | No | No | No |
| CH system inhibitor required | | Yes | Yes | Yes | Yes | Yes |
| 24 hour pump exercise | | Yes | Yes | Yes | Yes | Yes |
| Pump overrun | | Yes | Yes | Yes | Yes | Yes |

Concentric flue systems

| | | | | | | |
|---|----|-------------------|---------|---------|---------|---------|
| Concentric flue diameters | mm | 60/100 and 80/125 | | | | |
| Standard horizontal flue kit length (60/100mm) | mm | 685 | 685 | 685 | 685 | 685 |
| Standard horizontal telescopic flue length (60/100mm) | mm | 315-500 | 315-500 | 315-500 | 315-500 | 315-500 |
| Max equiv length horizontal/vertical (60/100mm) | m | 10 | 10 | 10 | 10 | 10 |
| Max equiv length horizontal/vertical (80/125mm) | m | 20 | 20 | 20 | 20 | 20 |
| Equivalent length per 135° bend | m | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| Equivalent length per 93° bend | m | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

Weights

| | | | | | | |
|------------------------------|----|------|------|------|------|------|
| Max installation lift weight | kg | 29.2 | 29.2 | 30.5 | 29.2 | 29.2 |
| Gross packaged boiler weight | kg | 32.2 | 32.2 | 33.5 | 32.2 | 32.2 |



Assure System



The Potterton Assure System is a fully modulating and highly efficient boiler that uses the right amount of fuel to save money on fuel bills.

**12kW to
24kW**

Outputs

28kg

Installer lift
weight

**Compact
cupboard
fit**

Can be installed
in a 290mm
deep cupboard

Features and benefits

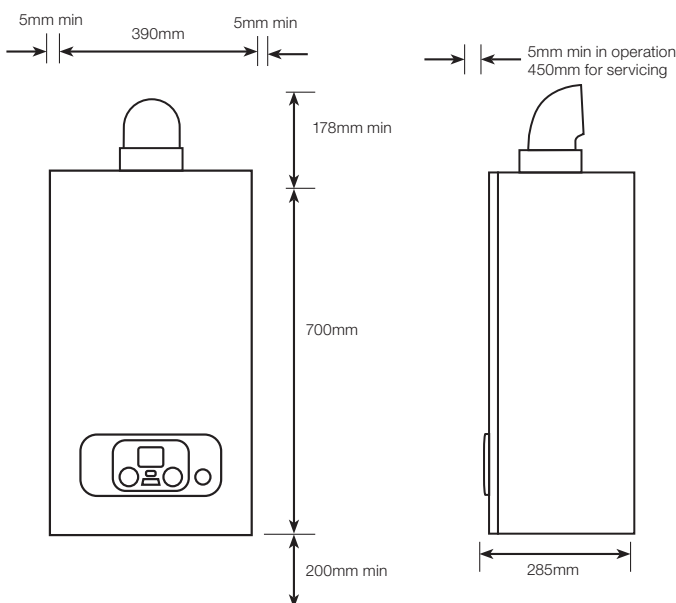
Features

Benefits

| | |
|---|---|
| Outputs: 12kW, 15kW, 18kW, 24kW | To suit most property sizes |
| Built in stand off frame within boiler casing | Ease of installation, easy to site and pipework neatly concealed within footprint of boiler. Complete with pipe spacing bracket |
| Compact cupboard fit | Can be installed discreetly |
| Lightweight | 28kg lift weight |
| Designed for servicing and maintenance | Maximum access to all components |
| Fully modulating and highly efficient | Boiler intelligently uses the right amount of fuel to meet the set central heating temperatures, saving money on fuel bills |
| Compatible with Megafluo Eco Solar Cylinder | Great fuel savings for hot water - all available from one manufacturer |
| Central flue | For ease of siting and existing boiler replacement |
| Flueing options of up to 20m | Allowing greater flexibility of siting |
| Optional outdoor weather sensor available | Enhances system control and customer comfort |
| Ease of service | No special tools or replacement seals required for standard service |
| Vertical packaging | Allows for ease of access to all installation accessories from top of the packaging |
| Clean aesthetic finish | Boiler casing hides system connections for cleaner finish |
| Built in drip tray | Protection against water ingress in extreme weather conditions |
| LPG appliances available | Suitable for rural projects not on gas mains |
| 2 Year Warranty* | For peace of mind |

*subject to terms and conditions. see www.potterton.co.uk

Dimensions



Accessories and controls



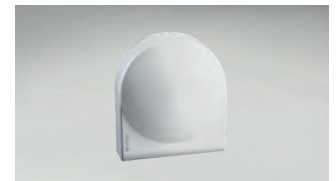
7211473

Potterton EP series 2



7212443

Twin Channel wired programmer



7683087

Multifit wired outdoor sensor-system

See page 22 for full list of Potterton accessories and controls

Technical information

The Potterton Assure System is compatible with Flue Group A and G, please see pages 18-21 for full details on flue options available

Potterton Assure System

| | Units | 12 | 15 | 18 | 24 | 18 LPG | 24 LPG |
|--------------------------|-------|---------|---------|---------|---------|---------|---------|
| Sales code (boiler only) | | 7716067 | 7658127 | 7658128 | 7716068 | 7703810 | 7722427 |

Controls

| | | | | | | | |
|---|--|-----|-----|-----|-----|-----|-----|
| Reset switch | | Yes | Yes | Yes | Yes | Yes | Yes |
| User adjustable CH temperature | | Yes | Yes | Yes | Yes | Yes | Yes |
| LCD temp/status/fault diagnosis display | | Yes | Yes | Yes | Yes | Yes | Yes |

Gas

| | | | | | | | |
|---------------------------------|---------------------|------|------|------|------|------|------|
| Natural Gas | | Yes | Yes | Yes | Yes | - | - |
| LPG | | - | - | - | - | Yes | Yes |
| Nominal inlet supply pressure | mbar | 20 | 20 | 20 | 20 | 37 | 37 |
| Maximum gas rate | m ³ /hr | 1.31 | 1.64 | 1.96 | 2.61 | | |
| Maximum gas rate | kg/hr | | | | | 3.72 | 4.95 |
| Heat input central heating (CH) | kW max gross (QnHs) | 13.7 | 17.2 | 20.6 | 27.4 | 20.6 | 27.4 |
| | kW min gross (QnHs) | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| Heat output CH non-condensing | kW max (Pn) | 12.0 | 15.0 | 18.0 | 24.0 | 18.0 | 24.0 |
| | kW min (Pn) | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| Heat output CH condensing | kW max (Pnc) | 12.9 | 16.2 | 19.4 | 25.8 | 19.4 | 25.8 |
| | kW min (Pnc) | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |

ErP product information

| | | | | | | | |
|--|--------------------|------|------|------|------|------|------|
| NOx | mg/kWh | 24.0 | 29.0 | 30.0 | 28.0 | 30.0 | 28.0 |
| NOx class | | 6 | 6 | 6 | 6 | 6 | 6 |
| Space heating efficiency class | | A | A | A | A | A | A |
| Seasonal space heating energy efficiency | % | 93 | 93 | 93 | 93 | 93 | 93 |
| Sound power level, indoors | L _{WA} dB | 44 | 46 | 48 | 51 | 48 | 51 |

Electrical

| | | | | | | | |
|---|----------|----------|----------|----------|----------|----------|----------|
| Electrical supply | Volts/Hz | 230/50 | 230/50 | 230/50 | 230/50 | 230/50 | 230/50 |
| Permanent live required | | Yes | Yes | Yes | Yes | Yes | Yes |
| Switched live | | Yes | Yes | Yes | Yes | Yes | Yes |
| Power consumption | Watts | 60 | 65 | 70 | 100 | 70 | 100 |
| External fuse rating | Amps | 3 | 3 | 3 | 3 | 3 | 3 |
| Internal fuse rating | | F2HA250V | F2HA250V | F2HA250V | F2HA250V | F2HA250V | F2HA250V |
| Ingress protection rating | | IPX5D | IPX5D | IPX5D | IPX5D | IPX5D | IPX5D |
| Integral 'boiler only' frost thermostat | | Yes | Yes | Yes | Yes | Yes | Yes |

| Units | 12 | 15 | 18 | 24 | 18 LPG | 24 LPG |
|-------|----|----|----|----|--------|--------|
|-------|----|----|----|----|--------|--------|

Mechanical

| | | Optional | Optional | Optional | Optional | Optional | Optional |
|-------------------------------|----|----------|----------|----------|----------|----------|----------|
| Pre-plumbing installation jig | | Optional | Optional | Optional | Optional | Optional | Optional |
| Isolating valves | | Yes | Yes | Yes | Yes | Yes | Yes |
| Gas supply connection | mm | 22 | 22 | 22 | 22 | 22 | 22 |
| Central heating connections | mm | 22 | 22 | 22 | 22 | 22 | 22 |
| Condensate drain connection | mm | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 |
| Safety discharge connection | mm | 15 | 15 | 15 | 15 | 15 | 15 |

Hydraulic

| | | | | | | | |
|--|--------|-----|-----|-----|-----|-----|-----|
| Safety discharge pressure | bar | 3 | 3 | 3 | 3 | 3 | 3 |
| Integral automatic boiler bypass | | Yes | Yes | Yes | Yes | Yes | Yes |
| Integral expansion vessel capacity | litres | 7 | 7 | 7 | 7 | 7 | 7 |
| Maximum capacity of Central heating system | litres | 100 | 100 | 100 | 100 | 100 | 100 |
| 24hr pump exercise | | Yes | Yes | Yes | Yes | Yes | Yes |
| Compartment ventilation requirement | | No | No | No | No | No | No |
| CH system inhibitor required | | Yes | Yes | Yes | Yes | Yes | Yes |
| Pump overrun | | Yes | Yes | Yes | Yes | Yes | Yes |

Concentric flue systems

| | | | | | | | |
|---|----|-------------------|---------|---------|---------|---------|---------|
| Concentric flue diameters | mm | 60/100 and 80/125 | | | | | |
| Standard horizontal flue kit length (60/100) | mm | 685 | 685 | 685 | 685 | 685 | 685 |
| Standard horizontal telescopic flue length (60/100) | mm | 315-500 | 315-500 | 315-500 | 315-500 | 315-500 | 315-500 |
| Max equiv length horizontal/vertical (60/100mm) | m | 10 | 10 | 10 | 10 | 10 | 10 |
| Max equiv length horizontal/vertical (80/125mm) | m | 20 | 20 | 20 | 20 | 20 | 20 |
| Equivalent length per 135° bend | m | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Equivalent length per 93° bend | m | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

Weights

| | | | | | | | |
|----------------------------------|----|------|------|------|------|------|------|
| Maximum installation lift weight | kg | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| Gross packaged boiler weight | kg | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |



Assure Heat



The Potterton Assure Heat is, at only 19.5kg, the lightest boiler available on the UK market**. It has a rear and central flue option and does not need a pump overrun or permanent live, making it suitable as a replacement for old boilers.

**13kW to
30kW**

Outputs

19.5kg

Installer lift
weight

**270mm
deep**

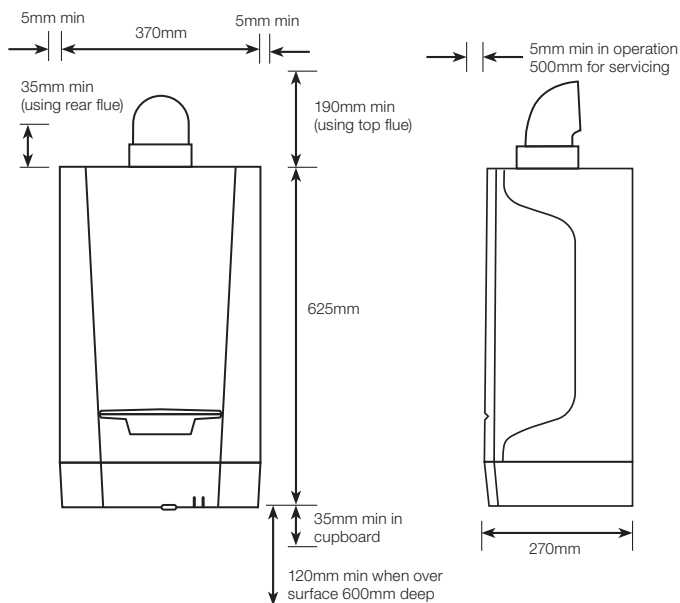
Cupboard fit

Features and benefits

| Features | Benefits |
|--|---|
| Outputs 13kW, 16kW, 19kW, 25kW and 30kW | To suit most property sizes |
| Top or rear central flue | For reduced boiler footprint and improved look |
| Simple fixing of rear flue | For easy and fail-safe flue fixing |
| No pump overrun or permanent live required | Saves time and money during installation, and less disruption for the house holder |
| Only 19.5kg installer fit weight | The lightest boiler available in the UK** |
| Cupboard fit | Can be installed discreetly |
| Easy fit wall mounting bracket | Robust with a positive fix and audible lock so you know it's secure |
| One metre lead included | Easy to install and you don't need access to the control box |
| Front and side access | Servicing is easier and quicker, and no special tools are required |
| Flueing options of up to 12m | Allowing for greater flexibility of siting |
| Vertical packaging | Allows for ease of access to all installation accessories from top of the packaging |
| 2 Year Warranty* | For peace of mind |

** As at September 2018

Dimensions



Accessories and controls



7211473

Potterton EP series 2



7212443

Twin Channel wired programmer

See page 22 for full list of Potterton accessories and controls

Technical information

The Potterton Assure Heat is compatible with Flue Group A and G

Potterton Assure Heat

| | Units | 13 | 16 | 19 | 25 | 30 |
|--------------------------|-------|---------|---------|---------|---------|---------|
| Sales code (boiler only) | | 7668937 | 7668938 | 7668939 | 7668940 | 7668941 |

Controls

| | | | | | | |
|---|--|-----|-----|-----|-----|-----|
| Operating mode selector switch with reset | | Yes | Yes | Yes | Yes | Yes |
| User adjustable CH temperature | | Yes | Yes | Yes | Yes | Yes |
| LED temp/status/fault diagnosis display | | Yes | Yes | Yes | Yes | Yes |

Gas

| | | | | | | |
|-------------------------------------|---------------------|-------|-------|-------|-------|-------|
| Gas (natural gas/LPG) | | NG | NG | NG | NG | NG |
| Inlet supply pressure | mbar | 20 | 20 | 20 | 20 | 20 |
| Heat input CH | kW max gross (QnHs) | 14.88 | 18.32 | 21.75 | 28.62 | 34.35 |
| | kW min gross (QnHs) | 8.59 | 8.59 | 8.59 | 8.59 | 8.59 |
| Heat output CH (non condensing) | kW max (Pn) | 13 | 16 | 19 | 25 | 30 |
| | kW min (Pn) | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| Inlet supply pressure (natural gas) | mbar | 20 | 20 | 20 | 20 | 20 |
| Maximum gas rate | m ³ /hr | 1.42 | 1.75 | 2.07 | 2.73 | 3.27 |

ErP product information

| | | | | | | |
|--|--------------------|----|----|----|----|----|
| NOx | mg/kWh | 18 | 20 | 21 | 24 | 24 |
| NOx class | | 6 | 6 | 6 | 6 | 6 |
| Sound power level, indoors | L _{WA} dB | 37 | 39 | 41 | 45 | 49 |
| Seasonal space heating energy efficiency | % | 93 | 93 | 93 | 93 | 93 |
| Space heating efficiency class | | A | A | A | A | A |

Electrical

| | | | | | | |
|---|----------|--------|--------|--------|--------|--------|
| Electrical supply | volts/Hz | 230/50 | 230/50 | 230/50 | 230/50 | 230/50 |
| Permanent live required | | No | No | No | No | No |
| Switched live | | Yes | Yes | Yes | Yes | Yes |
| Electrical power cable fitted as standard, 1m of 3 core | | Yes | Yes | Yes | Yes | Yes |
| Power consumption | Watts | 17 | 20 | 23 | 33 | 44 |
| External fuse rating | Amps | 3 | 3 | 3 | 3 | 3 |
| Internal fuse rating | | 1.6T | 1.6T | 1.6T | 1.6T | 1.6T |
| Ingress protection rating | | IPX4D | IPX4D | IPX4D | IPX4D | IPX4D |
| Pump overrun | | No | No | No | No | No |

| | Units | 13 | 16 | 19 | 25 | 30 |
|--|-------|----|----|----|----|----|
|--|-------|----|----|----|----|----|

Mechanical

| | | | | | | |
|-----------------------------|----|-------|-------|-------|-------|-------|
| Gas supply connection | mm | 22 | 22 | 22 | 22 | 22 |
| Central heating connections | mm | 22 | 22 | 22 | 22 | 22 |
| Condensate drain connection | mm | 21.50 | 21.50 | 21.50 | 21.50 | 21.50 |
| Upward piping route | mm | Yes | Yes | Yes | Yes | Yes |
| Flow / return pipe size | mm | 22 | 22 | 22 | 22 | 22 |

Hydraulic

| | | | | | | |
|-------------------------------------|--|-----|-----|-----|-----|-----|
| Compartment ventilation requirement | | No | No | No | No | No |
| CH system inhibitor required | | Yes | Yes | Yes | Yes | Yes |

Concentric flue systems

| | | | | | | |
|---|----|-----|-----|-----------|-----|-----|
| Standard horizontal flue kit length (60/100mm) | mm | 685 | 685 | 685 | 685 | 685 |
| Standard telescopic concentric flue length | mm | | | 315 - 500 | | |
| Standard in-case rear telescopic concentric flue | mm | | | 220 - 345 | | |
| Horizontal concentric (60/100 mm) Max equivalent length | m | 6 | 6 | 6 | 6 | 6 |
| Horizontal concentric (60/100 mm) Reduction per 135° bend | m | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Horizontal concentric (60/100 mm) Reduction per 93° bend | m | 1 | 1 | 1 | 1 | 1 |
| Horizontal concentric (80/125 mm) Max equivalent length | m | 12 | 12 | 12 | 12 | 12 |

Weights

| | | | | | | |
|----------------------------------|----|------|------|------|------|------|
| Maximum installation lift weight | kg | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| Gross packaged boiler weight | kg | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 |

Flue solutions

Our flue kits now come with positive screw fixings for all connections and are available in a choice of lengths to reduce the need for onsite cutting. By popular demand we offer a choice of colours for the terminals to match existing rainwater systems.

Maximum recommended flue lengths

| Potterton Combi / System / Heat | A (60/100 Concentric) | G (80/125 Concentric) |
|---------------------------------|-----------------------|-----------------------|
| Horizontal | 10 | 20 |
| Vertical | 10 | 20 |

Note - for more information on equivalent flue lengths when using flue bends, please refer to the relevant installation instructions.

Horizontal concentric flues Ø 60/100mm

MULTIFIT FLUE GROUP A

| Item | Description (multifit) flue system | Colour | Specification | Key and OD dimensions | Sales code |
|------|---|----------------------------|-----------------|-----------------------|------------|
| 1 | Horizontal telescopic flue inc. low profile elbow and fixing screws | White pipe/ white terminal | 315mm – 500mm | 100mm | 720599401 |
| 2 | Horizontal telescopic flue inc. low profile elbow and fixing screws | White pipe/ black terminal | 315mm – 500mm | 100mm | 720598701 |
| 3 | Horizontal telescopic flue inc. Low profile elbow and fixing screws | White pipe/ brown terminal | 315mm – 500mm | 100mm | 720642701 |
| 4 | Standard horizontal flue inc. low profile elbow and fixing screws* | White pipe/ black terminal | 685mm | 60/100mm | 7222019 |
| 5 | Flue terminal deflector | White | | 60mm | 720644201 |
| 6 | Flue terminal deflector | Black | | 60mm | 5111068 |
| 7 | Flue terminal deflector | Brown | | 60mm | 720644301 |
| 8 | 1m flue extension inc. fixing screws | White | 1000mm | 100mm | 720648801 |
| 9 | 0.5m flue extension inc. fixing screws | White | 500mm | 100mm | 720643001 |
| 10 | 0.25m flue extension inc. fixing screws | White | 250mm | 100mm | 720643101 |
| 11 | 93° flue bend inc. fixing screws | White | 93° | 100mm | 720648401 |
| 12 | 135° flue bend inc. fixing screws | White | 135° | 100mm | 720648501 |
| 13 | 135° flue bend inc. fixing screws (pair) | White | 135° | 100mm | 720647901 |
| 14 | Offset adaptor elbow | White | | 100mm | 720635501 |
| 15 | Stainless steel terminal guard – Ø 60/100 | S/S | Stainless steel | 100mm | 720627901 |

Plume displacement kits Ø 60/100mm

MULTIFIT FLUE GROUP A

| Item | Description (multifit) flue system | Colour | Specification | Key and OD dimensions | Sales code |
|------|---|-----------------|---------------|-----------------------|------------|
| 16 | Plume displacement terminal kit for telescopic flue inc. 1m extension and brackets** | White | | 60mm | 720627001 |
| 17 | Plume displacement kit extension and brackets | White | 1000mm | 60mm | 720643401 |
| 18 | Plume displacement kit bend | White | 93° | 60mm | 5121369 |
| 19 | Plume displacement kit bend – pair | White | 135° | 60mm | 5121370 |
| 20 | Plume displacement terminal kit for telescopic flue inc. 1m extension and brackets*** | Black | | 60mm | 720622901 |
| 21 | Plume displacement kit extension and brackets | Black | 1000mm | 60mm | 720643301 |
| 22 | Plume displacement kit bend | Black | 93° | 60mm | 720648701 |
| 23 | Plume displacement kit bend – pair | Black | | 60mm | 720648601 |
| | Plume displacement terminal guard (not shown) | Stainless Steel | 100mm | 60mm | 720644601 |
| 24 | Under balcony eaves flue kit | White | | 60mm | 7211039 |
| 25 | Under balcony eaves flue kit | Black | | 60mm | 7211041 |
| 26 | Plume displacement terminal kit inc. 1m extension and brackets **** | White | | 60mm | 7225717 |
| 27 | Plume displacement terminal kit inc. 1m extension and brackets **** | Black | | 60mm | 7225716 |

Vertical concentric flues Ø 60/100mm

MULTIFIT FLUE GROUP A

Note - this flue group is ONLY suitable for combi and system appliances

| Item | Description (multifit) flue system | Colour | Specification | Key and OD dimensions | Sales code |
|------|--|--------|---------------|-----------------------|------------|
| 28 | Vertical ridge flue terminal | Brown | | 60/100mm | 720647101 |
| 29 | Vertical flue terminal | Black | | 100mm | 5118576 |
| 30 | Roof cover plate | | | 125mm | 246143 |
| 8 | 1m flue extension inc. fixing screws | White | 1000mm | 100mm | 720648801 |
| 9 | 0.5m flue extension inc. fixing screws | White | 500mm | 100mm | 720643001 |
| 10 | 0.25m flue extension inc. fixing screws | White | 250mm | 100mm | 720643101 |
| 11 | 93° flue bend inc. fixing screws | White | 93° | 100mm | 720648401 |
| 12 | 135° flue bend inc. fixing screws | White | 135° | 100mm | 720648501 |
| 13 | 135° flue bend (pair) inc. fixing screws | White | 135° | 100mm | 720647901 |
| 31 | Pitched roof flashing | | 25°/50° | 125mm | 5122151 |
| 32 | Flat roof flashing | | | 125mm | 246144 |



Flue solutions

Horizontal concentric flues Ø 80/125mm

MULTIFIT FLUE GROUP G

| Item | Description (multifit) flue system | Colour | Specification | Key and OD dimensions | Sales code |
|------|---|--------|-----------------|-----------------------|------------|
| 33 | Horizontal flue inc. boiler and terminal adaptors | Black | | 125mm | 5118580 |
| 34 | 1m flue extension | White | 1000mm | 125mm | 5118584 |
| 35 | Flue bend | White | 91.5° | 125mm | 5118588 |
| 36 | Flue bend (pair) | White | 135° | 125mm | 5118597 |
| 37 | Pipe support bracket | White | 125mm flue pipe | 125mm | 5118610 |

Vertical concentric flues Ø 80/125mm

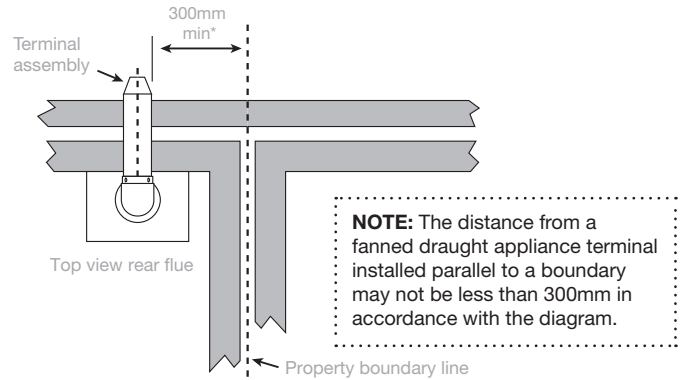
MULTIFIT FLUE GROUP G

| Item | Description (multifit) flue system | Colour | Specification | Key and OD dimensions | Sales code |
|------|------------------------------------|--------|-----------------|-----------------------|------------|
| 38 | Vertical flue terminal | Black | | 125mm | 5111078 |
| 34 | 1m flue extension | White | 1000mm | 125mm | 5118584 |
| 35 | Flue bend | White | 91.5° | 125mm | 5118588 |
| 36 | Flue bend (pair) | White | 135° | 125mm | 5118597 |
| 40 | Roof cover plate | | | 125mm | 246143 |
| 39 | Flue vertical adaptor | White | | 100/125mm | 5111070 |
| 41 | Pitched roof flashing | | 25°/55° | 125mm | 5122151 |
| 42 | Flat roof flashing | | | 125mm | 246144 |
| 37 | Pipe support bracket | White | 125mm flue pipe | 125mm | 5118610 |



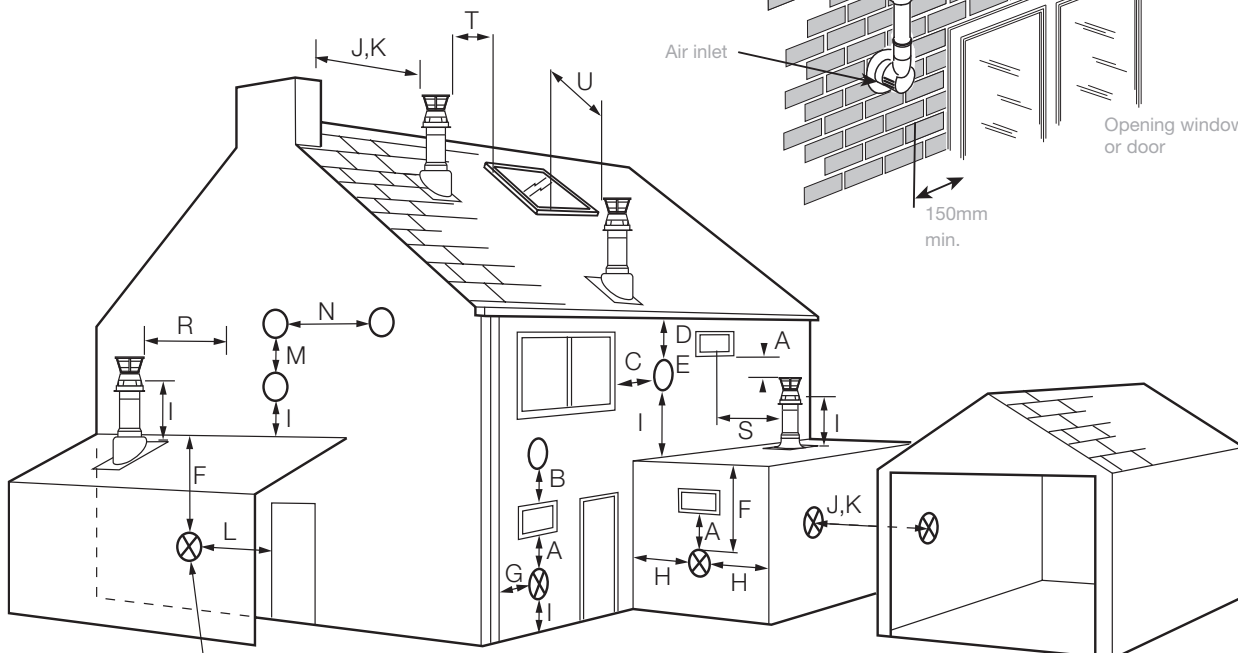
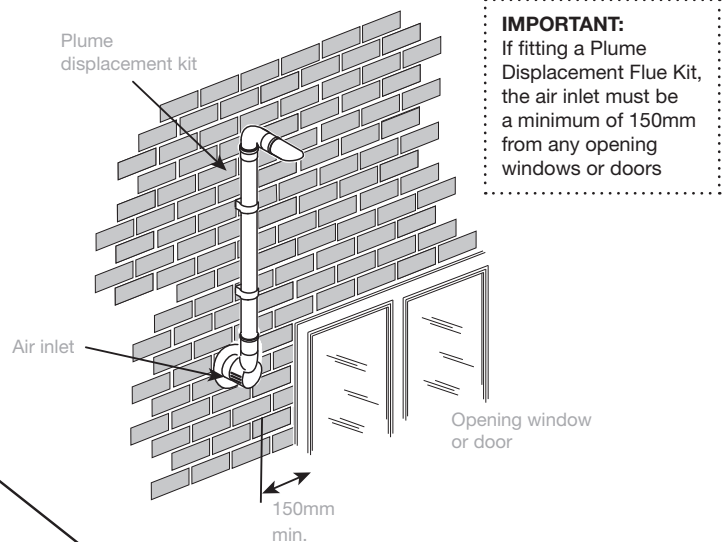
Flue terminal locations

| Terminal position with minimum distance | (mm) |
|--|------|
| A ¹ Directly below an opening, air brick, opening windows etc | 300 |
| B ¹ Above an opening, air brick, opening window etc | 300 |
| C ¹ Horizontally to an opening, air brick, opening window etc | 300 |
| D ² Below gutters, soil pipes or drain pipes | 25 |
| E ² Below eaves | 25 |
| F ² Below balconies or car port roof | 25 |
| G ² From a vertical drain pipe or soil pipe | 25 |
| H ² From an internal or external corner | 25 |
| I Above ground, roof or balcony level | 300 |
| J From a surface or boundary line facing a terminal | 600 |
| K From a terminal facing a terminal (Horizontal flue) | 1200 |
| K From a terminal facing a terminal (Vertical flue) | 600 |
| L From an opening in a carport (e.g. door, window) into the dwelling | 1200 |
| M Vertically from a terminal on the same wall | 1500 |
| N Horizontally from a terminal on the same wall | 300 |
| R From adjacent wall to flue (vertical only) | 300 |
| S From an adjacent opening window (vertical only) | 300 |
| T Adjacent to windows or openings on pitched and flat roofs | 600 |
| U Below windows or openings on pitched roofs | 2000 |



- In addition, the terminal should be no nearer than 150mm to an opening in the building fabric formed for the purpose of accommodating a built-in element such as a window frame.
- Only ONE 25mm clearance is allowed per installation. If one of the dimensions D, E, F, G or H is 25mm then the remainder MUST be as B.S.5440-1.
























*This can be reduced to 25mm by using item 6/7/8 flue deflector.



Likely flue positions requiring

Likely flue positions requiring a flue terminal guard

Optional controls, accessories and compatibility

| Product | Sales code | Compatibility | | |
|--|------------|---------------|---------------|-------------|
| | | Assure Combi | Assure System | Assure Heat |
|  Baxi single channel wired programmable room thermostat | 7212438 | ● | | |
|  Baxi uSense Wired  | 7649277 | ● | | |
|  Baxi Combi Wireless 7 Day Programmable Room Stat | 720030601 | ● | | |
|  Potterton EP Series 1 | 7211472 | ● | | |
|  Baxi Single Channel Wired Programmer | 7212444 | ● | | |
|  2 Channel Wired Programmer Kit | 7212443 | | ● | ● |
|  Potterton EP Series 2 | 7211473 | | ● | ● |
|  Twin channel wired programmer | 7212443 | | ● | ● |
|  Multifit wired outdoor sensor-system (Contains QAC34 720103001) | 7683087 | | ● | |
|  Multifit On wall Outdoor Sensor Kit | 7703233 | ● | | |
|  Multifit GasSaver 2 Flue Gas Heat Recovery (FGHR)   | 7712941 | ● | | |
|  IFOS (In Flue Outdoor Sensor)   | 7683084 | ● | | |
|  Baxi Room thermostat | 720971601 | ● | ● | ● |
|  Multifit Safety Assist | 7683088 | ● | | |
|  Multifit pre-plumb jig | 7682545 | ● | ● | |
|  Multifit rear pipework | 7682790 | ● | ● | |
|  Filling Loop Kit | 248221 | ● | | |
|  Multifit EasyFill | 7665482 | ● | | |
| Multifit-Condensate Antifreezing Kit-1m | 720644401 | ● | ● | ● |
| Multifit-Condensate Antifreezing Kit-2m | 720664101 | ● | ● | ● |
| Multifit-Condensate Antifreezing Kit-3m | 720664201 | ● | ● | ● |
| Multifit-Condensate Antifreezing Kit-5m | 720664401 | ● | ● | ● |
| Multifit External Condensate / Prv Pump | 720648301 | ● | ● | ● |
| Remote Secondary Prv Kit | 5121379 | ● | ● | |

Boiler Plus and SAP solutions

Potterton's Assure range and Multifit accessories provide first class SAP ratings and solutions to help meet carbon and energy targets for Boiler Plus.



GasSaver 2

Recycles the heat from waste gases to pre-heat cold water mains coming into the boiler – significantly reducing the gas required by the boiler to heat the water for household usage

Low carbon solution – saves up to 35% on gas usage

Reduces Dwellings Emissions Rate (DER) by up to 24%

Reduces the amount of rejected luke warm water

Meets requirements for Boiler Plus

Requires no maintenance & offers long life operation

In Flue Outdoor Sensor (IFOS)

The IFOS is a weather temperature compensation control that sits in the horizontal flue terminal, regulating the boiler flow temperature in conjunction with the outdoor temperature.

Saves energy and helps to reduce carbon emissions

Meets weather compensation requirement for Boiler Plus

Its fixed in-flue position is not affected by direct sunlight so it can be installed on walls of any aspect

Potterton Assure 36kW Combi

The compact and whisper quiet Potterton Assure 36kW Combi boiler provides powerful hot water and heating on demand using the latest energy saving technology.

First class SAP rating

Hot water flow rate at 15L per minute at 35°C rise

Easier to handle at only 30kg - the lightest 36kW on the market

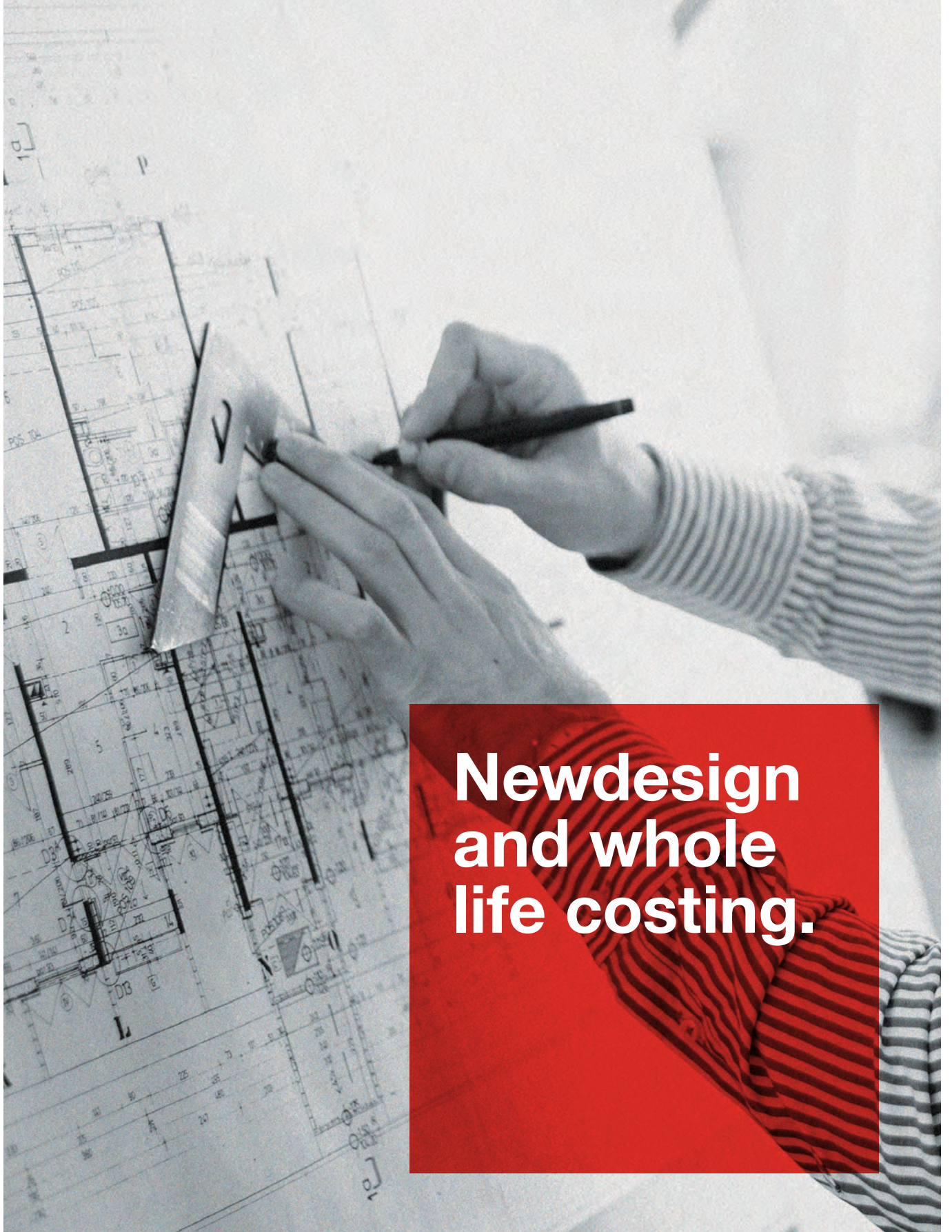
Whisper quiet at 51dB

Built in stand off frame within boiler casing

Compact cupboard fit

Assure Combi range includes 25/30kW and 25/30kW LPG

Visit the Potterton website for more information about our Boiler Plus and SAP solutions or to contact your local Potterton Representative www.potterton.co.uk



**Newdesign
and whole
life costing.**



Newdesign

Our Newdesign team provides a full heating system design service for residential developments that incorporate our heating and hot water products.

Design layouts are generated using the latest computer software and can be issued in either hard copy or electronic format.

Newdesign is able to work with SAP assessors and other technical parties to help you meet your carbon or energy targets.

Benefits at a glance

- Full heating system design service
- Available free of charge to Potterton and Heatrae Sadia customers
- Bespoke service tailored to each individual development
- Newdesign works with SAP assessors
- All system designs fully indemnified
- Database of over 40,000 house type designs

Whole life costing

It pays to plan ahead. Our whole life costing model helps you to analyse all the costs and revenues associated with installing a Potterton boiler. Then you can set accurate, realistic budgets for its operation, maintenance and repair.

Contact our Newdesign team to find out more:

T: 03448 711538

E: newdesigninfo@baxi.co.uk

Or visit www.potterton.co.uk for contact details of your local Potterton representative

Customer support you can depend on

Potterton is part of Baxi Heating, meaning it benefits from our extensive customer support services. Whatever you need, our expert support is never more than a phone call away.



Customer support

We will provide expert support, whenever you need it, from the very start of your project, through installation and commissioning, and then for the lifetime of the boilers.

Dedicated, knowledgeable specification and new build teams

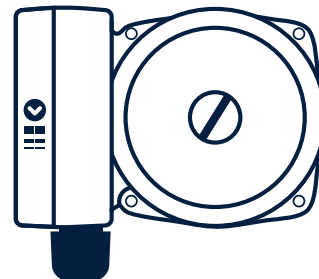
UK customer contact centre and a nationwide network of Gas Safe registered engineers

Technical helpline provides expert technical support and advice

Call: 0344 871 1545

Opening hours

Monday – Friday, 8.00am – 6.00pm
Weekends and bank holidays,
8.30am – 2.00pm
We are closed on Christmas Day
and New Year’s Day.



Genuine parts

Baxi Genuine Parts offers an extensive range of components, consumables, safety devices and tools.

We can provide everything you need for installation, maintenance and annual servicing.

Available through a nationwide network of approved stockists

Lifetime support for Potterton products

Parts available for 10 years after manufacture of boilers ceases

Find a genuine part or your nearest stockist: www.baxigenuineparts.co.uk



Training

We run courses at training centres throughout the UK. Our expert trainers will tailor the courses to suit your individual requirements, so you can install, service and maintain Potterton boilers with confidence.

Free of charge hands-on product training

Expert trainers, all accredited, experienced former heating engineers

Training centres across the UK

On-site training and support can be arranged

To book your place on a Potterton training course call:
0845 600 7401

Carbon Monoxide

Safety is our highest priority, so we recommend the use of an audible carbon monoxide alarm whenever a boiler, or other carbon burning appliance, is installed.

Make sure it is marked with British Standard EN 50291 and the Kitemark

Fitting a carbon monoxide alarm is not a substitute for an annual service

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Warwick
CV34 4LL

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web potterton.co.uk

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POTTERTON

Totally dependable.