

safety glass panel doors
fire proof panels both sides - glass handles

780

stainless steel doors

±50

tiled to bottom of work bench

stainless steel mixer taps

granite belfast double sink with waste disposal

granite worktop

intelligently applied technology

120
glass handles

400

400

190

POTTERTON

Performa

gas fired wall mounted combination boilers

POTTERTON

The Professional's Choice

Generations of heating engineers and end users alike have long associated the Potterton name with top quality, high specification products that are easy to install and reliable in service. Founded over 150 years ago, and with more than 5 million boilers installed, Potterton has entered the 21st century at the forefront of domestic heating technology as part of the UK's largest heating group.

All Potterton products benefit from world class manufacturing skills and one of the largest and most experienced research and development teams in the industry. They are designed to be inherently reliable and to meet the most demanding user needs.

Potterton aims to provide the very highest levels of customer satisfaction. A team of over 130 highly trained specialist engineers provide "next day" ** on site service, 363 days of the year, whilst the Potterton telephone technical support desk is available 6 days a week to deal with technical queries. In addition spare parts are readily available through a network of approved stockists.

The new Performa is the first in a series of product introductions that will further broaden the Potterton range and ensure it continues to fully address the needs of professional installers, specifiers and end users alike.

****Next day on-site service" relates to calls received the previous day by 16.00 Monday to Friday, or by 12.00 Saturday, Sunday and Bank Holidays, and is subject to engineer availability.*



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POTTERTON

The New POTTERTON Performa Range gas fired wall mounted combination boiler

This exciting new range of gas fired combination boilers from POTTERTON combines elegant looks with engineered reliability. Robust technology has been incorporated to combine boiler efficiency with long term reliability. Sophisticated on-board electronic systems monitor boiler performance and provide instant diagnostics.

Installation of the new POTTERTON Performa 28 and 28i is quick and simple thanks to a special pre-plumbing wall plate. The boilers can be fitted in almost any situation thanks to the comprehensive and versatile range of flueing options available plus the ability to be located in unventilated compartments. In addition, a wide selection of accessories and control options provide the versatility that heating engineers – and end users – demand.

There are three models in the POTTERTON Performa range:

- POTTERTON Performa 24 — designed for the starter and smaller homes.
- POTTERTON Performa 28 — the ideal solution for most heating and domestic hot water requirements.
- POTTERTON Performa 28i — providing near instantaneous domestic hot water by means of a compact on-board storage vessel (within 8 seconds for 35°C rise @ 7 l/min).

All in all, POTTERTON Performa delivers a range of cost-effective combination boilers that is the practical professional's choice. End-users can have confidence that a Performa will reliably deliver warm home comfort plus hot water on demand - elegantly, efficiently and economically.



Performa 24



Performa 28



Performa 28i

| POTTERTON | | |
|--|--------------|--------|
| Performa | | |
| gas fired wall mounted combination boilers | | |
| page | model | output |
| 3 | Performa 24 | 24kW |
| 4 | Performa 28 | 29.4kW |
| 5 | Performa 28i | 29.4kW |

POTTERTON

Performa 24

gas fired wall mounted combination boiler

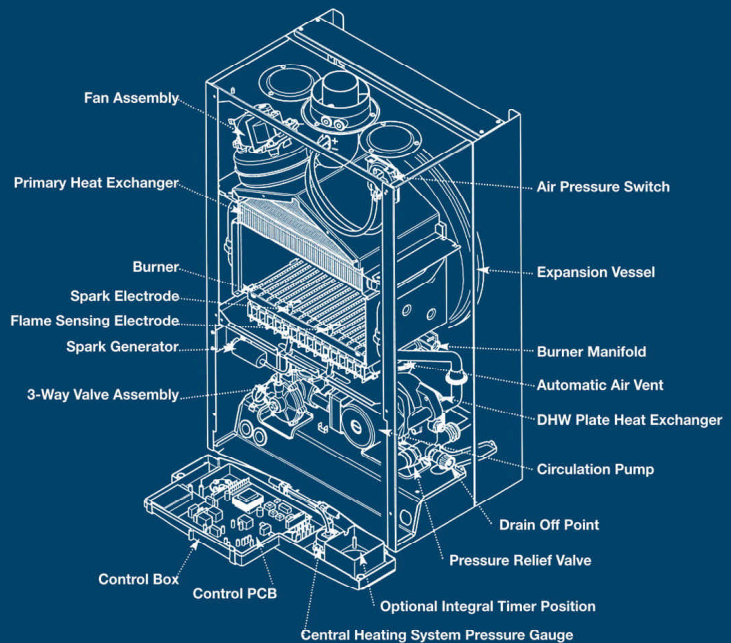
The Performa 24 features a simple grey fascia panel incorporating status indicators and all controls. This 24 kW boiler is designed for smaller homes which corresponds to a domestic hot water flow rate of 9.8 litres per minute raised 35°C. It is quick and easy to install using a simple wall-fixing bracket.

- 24 kW heating output, suitable for most domestic requirements
- Provides domestic hot water at up to 9.8 litres per minute raised 35°C
- Modulating output to maximise economy
- Independent control of domestic hot water and heating
- Operating mode selector switch with reset
- Modern, clean design
- Three LED status indicators for simple control and diagnostic functions
- 100mm concentric flue system (max 5m total length horizontal)
- 80mm twin flueing system (max 15m total length vertical)
- Optional integral controls
- Optional LPG conversion kit



Robust proven technology provides long term reliability and trouble free operation.

technology map



POTTERTON

Performa 28

gas fired wall mounted combination boiler

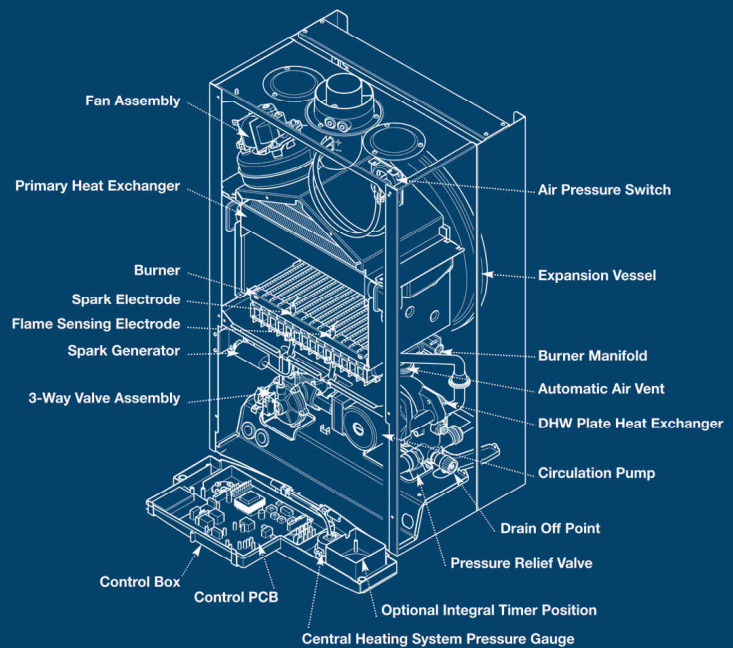
The Performa 28 features a grey drop down door that conceals the control panel. The output to domestic hot water and central heating is 29.4 kW which corresponds to a hot water flow rate of 12.0 litres per minute raised 35°C.

- 29.4 kW heating output, suitable for larger properties
- Provides domestic hot water at up to 12.0 litres per minute raised 35°C
- Modulating output to maximise economy
- Operating mode selector switch with reset
- Independent control of domestic hot water and heating temperature
- Modern, clean design with drop down door concealing the controls
- Ten LED status indicators to monitor temperature, operating and fault conditions
- Pre-plumbing wall plate
- 100mm concentric flue system (max 4m total length horizontal)
- 80mm twin flueing system (max 12m total length vertical)
- Optional integral controls
- Optional LPG conversion kit



Unique high-efficiency, compact, copper-finned heat exchanger with an impressive power output to size ratio.

technology map



POTTERTON

Performa 28i gas fired wall mounted combination boiler

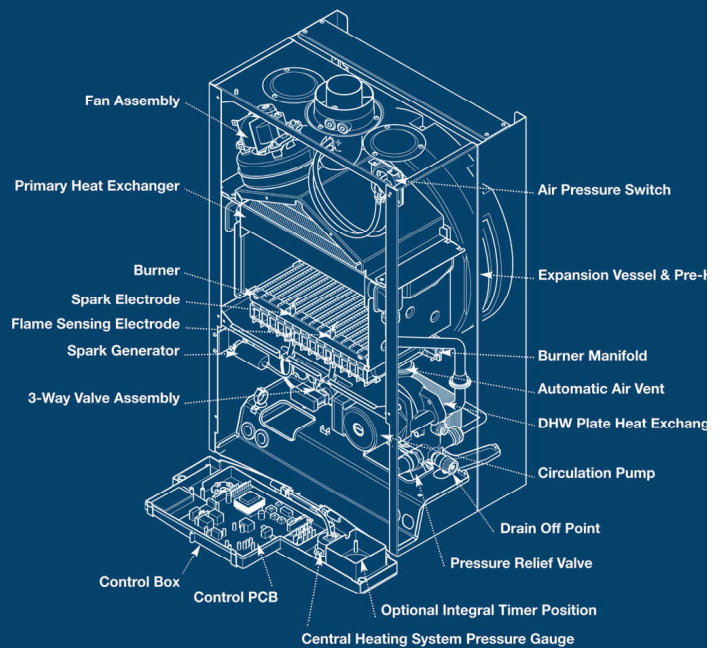
The Performa 28i features a grey drop down door that conceals the control panel. This 29.4 kW boiler delivers a hot water flow rate of up to 12.0 litres per minute raised 35°C. Near instantaneous hot water performance is facilitated by means of a compact integral storage vessel (within 8 seconds for 35°C rise @ 7 L/min).

- 29.4 kW heating output, suitable for larger properties
- Provides domestic hot water at up to 12.0 litres per minute raised 35°C
- Modulating output to maximise economy
- Operating mode selector switch with reset
- Independent control of domestic hot water and heating temperature
- Modern, clean design with drop down door concealing controls
- Ten LED status indicators to monitor temperature, operating and fault conditions
- Pre-plumbing wall plate
- 100mm concentric flue system (max 4m total length horizontal)
- 80mm twin flueing system (max 12m total length vertical)
- Optional integral controls
- Optional LPG conversion kit



Patented expansion vessel incorporating an integral pre-heated store. Insulated to keep stand-by losses to a minimum.

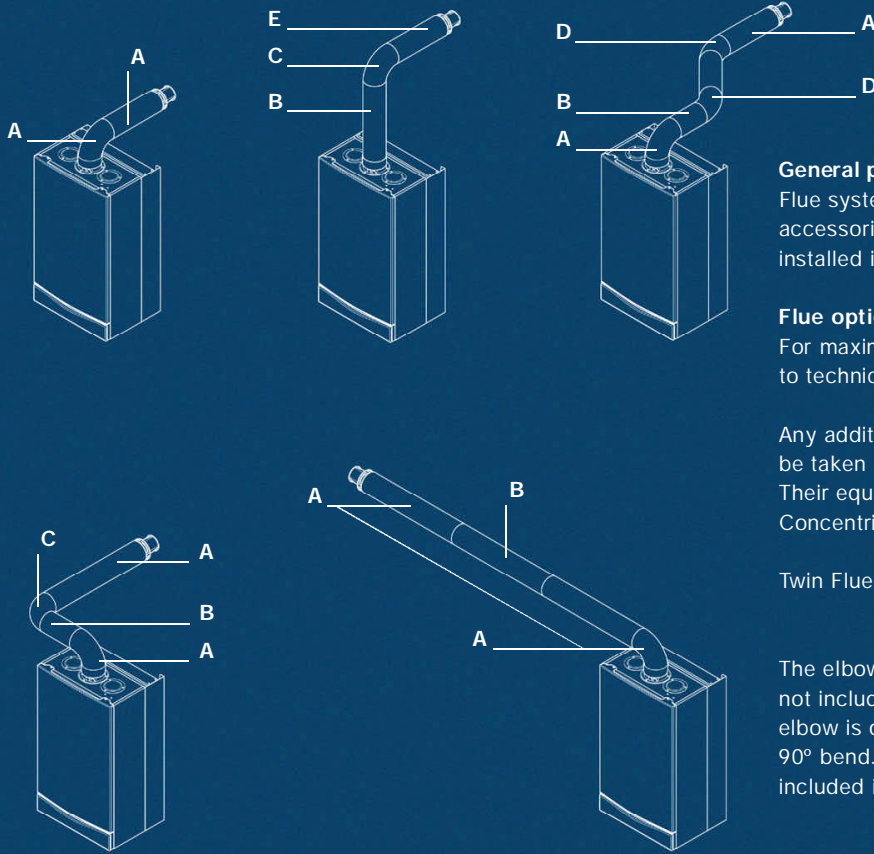
technology map



Performa technical information

| | Units | POTTERTON Performa 24 | POTTERTON Performa 28 | POTTERTON Performa 28i |
|---|-------------------|--------------------------|--------------------------|---------------------------|
| Max Domestic Hot Water (DHW) flow rate | l/min | 9.8 | 12.0 | 12.0 |
| Max Continuous DHW flow rate raised 35°C | l/min | 9.8 | 12.0 | 12.0 |
| Natural Gas | | Yes | Yes | Yes |
| LPG conversion kit | | Optional | Optional | Optional |
| Case height | mm | 780 | 780 | 780 |
| Case width | mm | 450 | 450 | 450 |
| Case depth | mm | 345 | 345 | 345 |
| Integral 12-hour am/pm electro-mechanical timer kit | | Optional | Optional | Optional |
| Integral 7-day electronic timer kit | | Optional | Optional | Optional |
| Remote 7-day programmable room thermostat | | Optional | Optional | Optional |
| Concealed user controls | | No | Yes | Yes |
| Operating mode selector switch with reset | | Yes | Yes | Yes |
| User adjustable DHW temperature | | Yes | Yes | Yes |
| User adjustable Central Heating temperature | | Yes | Yes | Yes |
| 3 LED status/fault display | | Yes | No | No |
| 10 LED temperature/status/fault diagnosis display | | No | Yes | Yes |
| Seasonal Efficiency (SEDBUK) Rating | | 78.6% | 78.2% | 78.2% |
| Suitable for unventilated compartments | | Yes | Yes | Yes |
| Min installation clearance above | mm | 200 | 200 | 200 |
| Min installation clearance below | mm | 200 | 200 | 200 |
| Min installation clearance left | mm | 5 | 5 | 5 |
| Min installation clearance right | mm | 5 | 5 | 5 |
| Min installation clearance front operating | mm | 5 | 5 | 5 |
| Min installation clearance front servicing | mm | 450 | 450 | 450 |
| Automatic modulation of CH heat output | | Yes | Yes | Yes |
| Max heat input CH and DHW modes | kW | 26.3 | 32.6 | 32.6 |
| Max heat output CH and DHW modes | kW | 24 | 29.4 | 29.4 |
| Max gas rate | m ³ /h | 2.78 | 3.45 | 3.45 |
| NO _x Class | | 3 | 3 | 3 |
| Inlet supply pressure Natural Gas G20 | mbar | 20 | 20 | 20 |
| Min DHW flow rate | l/min | 2.5 | 2.5 | 2.5 |
| Min DHW operating pressure | bar | 0.2 | 0.2 | 0.2 |
| Max DHW system pressure | bar | 8 | 8 | 8 |
| Safety discharge pressure | bar | 3 | 3 | 3 |
| Automatic bypass | | Yes | Yes | Yes |
| Max capacity of CH system | Litres | 125 | 125 | 80 |
| Pre-plumbing wall plate | | No | Yes | Yes |
| Gas copper tail | mm | 22 | 22 | 22 |
| Flow and return copper tails | mm | 22 | 22 | 22 |
| DHW inlet and outlet copper tails | mm | 15 | 15 | 15 |
| Pressure relief discharge copper tail | mm | 15 | 15 | 15 |
| Installation lift weight | kg | 38.5 | 41 | 44 |
| Electrical supply | V/Hz | 230/50 | 230/50 | 230/50 |
| Power consumption | W | 170 | 190 | 170 |
| Electrical protection | | IPX4D | IPX5D | IPX5D |
| Soft electronic ignition | | Yes | Yes | Yes |
| CH frost protection | | No | Yes | Yes |
| 24-hour pump exercise | | No | Yes | Yes |
| Concentric flue terminal diameter | mm | 100 | 100 | 100 |
| Standard concentric flue length | m | 1 | 1 | 1 |
| Max concentric horizontal flue length (equivalent) | m | 5 | 4 | 4 |
| Max concentric vertical flue length (equivalent) | m | 4 | 4 | 4 |
| Max twin-tube vertical flue length (total equivalent) | m | 15 | 12 | 12 |

Performa flue options



General principles

Flue systems must be constructed using the Baxi accessories approved for the particular product and installed in accordance with BS5440 part 1 – flues.

Flue options

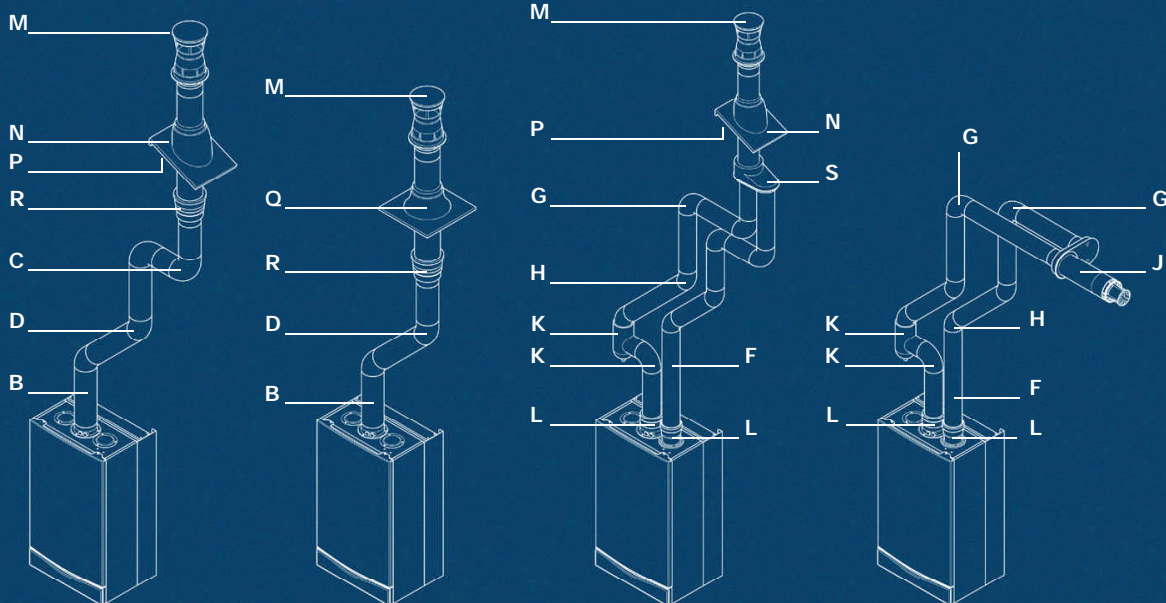
For maximum permissible equivalent flue lengths refer to technical data table.

Any additional “in line” bends in the flue system must be taken into consideration.

Their equivalent lengths are:

| | | |
|-------------------|----------|-------------|
| Concentric Pipes: | 45° bend | 0.5 metres |
| | 90° bend | 1.0 metres |
| Twin Flue Pipe: | 45° bend | 0.25 metres |
| | 90° bend | 0.5 metres |

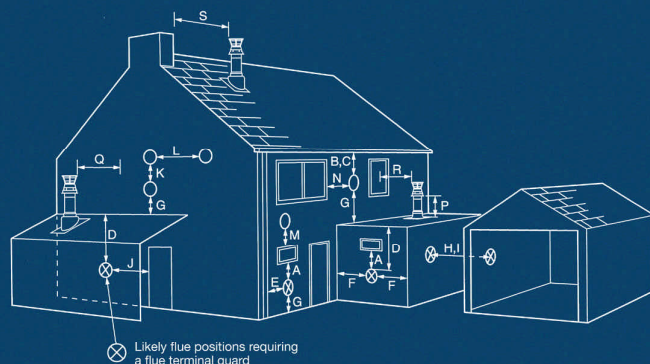
The elbow supplied with the standard horizontal flue is not included in any equivalent length calculations. This elbow is of the same type as the optional concentric 90° bend. Instructions for guidance and fitting are included in each kit, where appropriate.



Note: These are general illustrations only – detailing of actual components will vary from model to model.

| | Code No. with Std. Flue | Code No. without Std. Flue |
|---|----------------------------|-------------------------------|
| Performa 24 | 5102945 | 5102942 |
| Performa 28 | 5102946 | 5102943 |
| Performa 28i | 5102947 | 5102944 |
| Key Accessory | Size | Code no. |
| Concentric Flue System 100mm diameter | | |
| A Horizontal flue kit (including 90° elbow) | 1000mm | 247719 |
| B Straight extension kit | 1000mm 500mm 250mm | 247723 247724 248189 |
| C Bend kit | 90° | 247725 |
| D Bend kit | 45° | 247726 |
| Bend kit (pair) | 45° | 248376 |
| E Horizontal terminal (without 90° elbow) Available June 2001 | 750mm | 248878 |
| Twin Flue System 80mm diameter | | |
| F Straight extension kit | 1000mm 500mm 250mm | 246137 246136 246135 |
| G Bend kit | 90° | 246139 |
| H Bend kit (pair) | 45° | 246138 |
| J Horizontal terminal kit (twin flue) Performa 24 only | | 247791 |
| K Condensate collector kit (only required when flue system in excess of 6 metres) | | 248443 |
| Universal vertical flue kits | | |
| L Twin flue adaptor kit | | 248222 |
| M Vertical roof terminal | | 246140 |
| N Universal roof tile | 25/45 35/55 | 246141 246142 |
| P Roof cover plate kit | | 246143 |
| Q Flat roof flashing | | 246144 |
| R Roof terminal adaptor (concentric) | | 247940 |
| S Roof terminal adaptor (twin) | | 247922 |
| Miscellaneous | | |
| Wall liner/internal flue fixing kit | | 236441BAX |
| Pipe support | 100mm dia | 241105 |
| Pipe support | 80mm dia | 238684 |
| LPG conversion kit | Performa 24 | 247988 |
| | Performa 28 | 247989 |
| | Performa 28i | 247989 |
| Filling loop kit (available July 2001) | | 248221 |
| Controls | | |
| Integral 12hr am/pm electro-mechanical timer | | 247206 |
| Integral 7 day electronic timer | | 247207 |
| Remote 7 day programmable roomstat | | 238326BAX |

minimum flue terminal clearances



Horizontal flues

England & Wales Scotland

Minimum distance mm to edge of terminal

| | | |
|---|------|------|
| A Directly below an openable window, air vent or any other ventilation opening | 300 | 300 |
| B Below gutter, drain/soil pipe | 75 | 150 |
| C Below eaves | 200 | 200 |
| D Below a balcony/carport roof | 200 | 200 |
| E From vertical drain pipes and soil pipes | 75 | 150 |
| F From internal or external corners | 300 | 300 |
| G Above adjacent ground or balcony level | 300 | 300 |
| H From a surface or boundary facing the terminal | 600 | 600 |
| I Facing terminals | 1200 | 1200 |
| J From opening (door/window) in carport into dwelling | 1200 | 1200 |
| K Vertically from a terminal on the same wall | 1500 | 1500 |
| L Horizontally from a terminal on the same wall | 300 | 300 |
| M Above an opening, air brick, opening window, etc | 300 | 300 |
| N Horizontally to an opening, air brick, opening window, etc | 300 | 300 |

Vertical flues

Minimum distance mm to edge of terminal

| | | |
|---|------|------|
| P Above the roof level (to base of terminal) | 300 | 300 |
| Q From adjacent wall to flue | 300 | 300 |
| R From an adjacent opening window | 1000 | 1000 |
| S From another terminal | 600 | 600 |

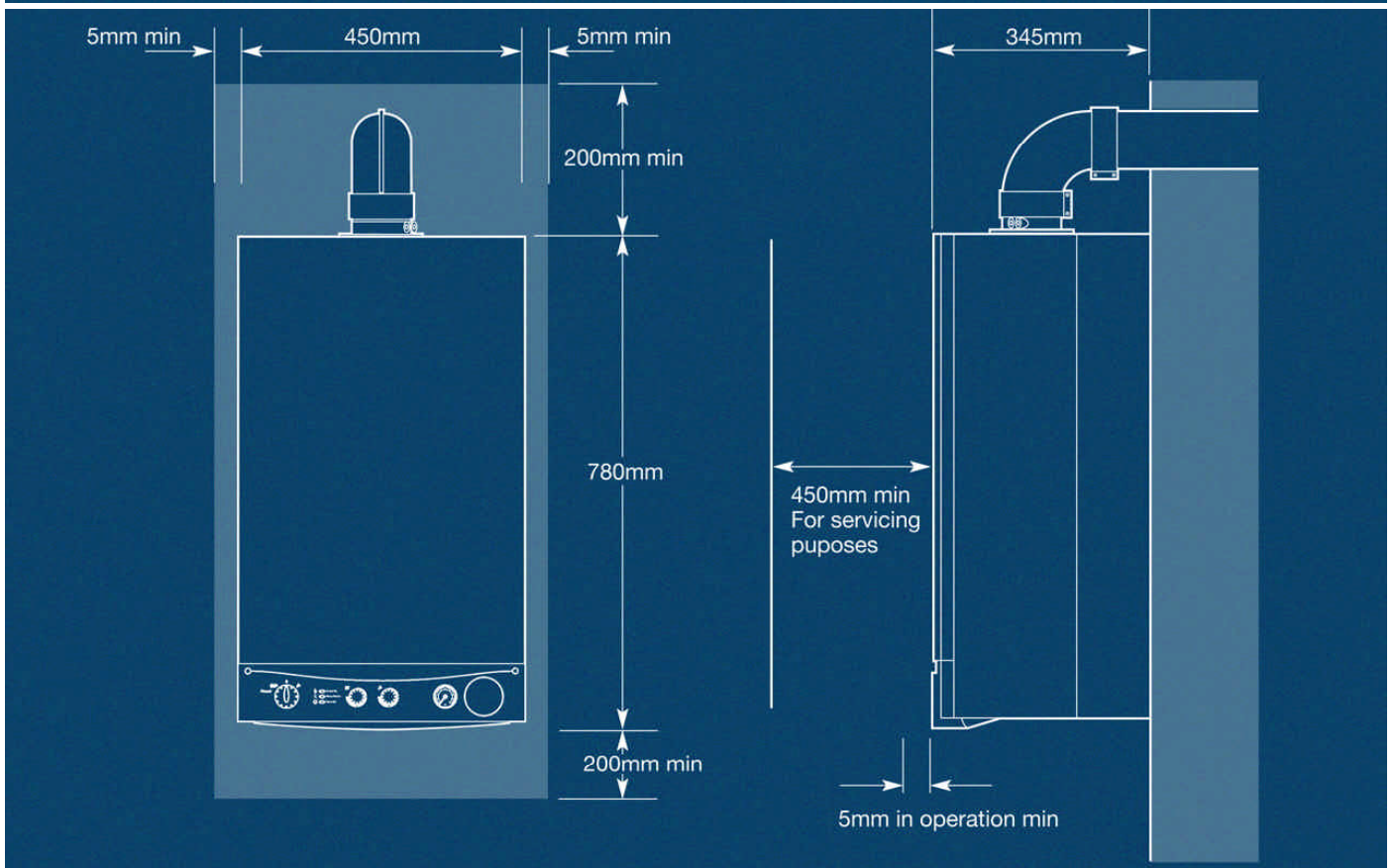
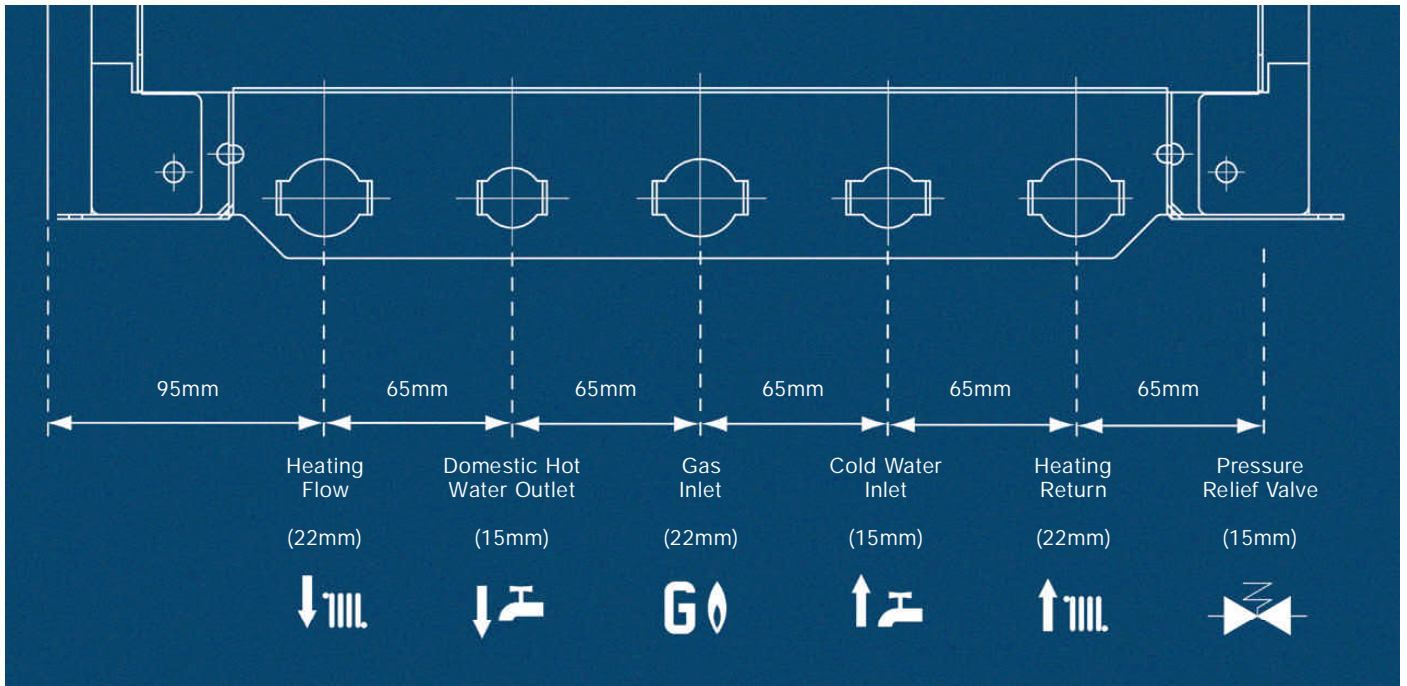
POTTERTON

Performa pipe work

Performa 24

Performa 28 (Pre-plumbing wall plate supplied)

Performa 28i (Pre-plumbing wall plate supplied)



POTTERTON

The Professional's Choice

Below is a brief guide to other products manufactured for heating professionals by POTTERTON. For more information call our sales line on 08706 060 780.

POTTERTON PROFILE

Wall Hung Cast Iron Gas Fired Boilers

Profile offers a proven solution for applications where a wall hung cast iron boiler is required in a wide range of outputs. Its proven design and up-to-the-minute fanned-flue technology provide a reliable solution every time, particularly in potentially troublesome replacement applications on older systems.

POTTERTON SUPRIMA

Wall Hung Cast Iron Gas Fired Boilers

Suprima offers a wide range of boilers all from the same compact case size. The lightweight cast iron heat exchanger means unbelievably low lift weights and ease of installation. The wide range of output satisfies all domestic applications, and the larger models (35kW) can be linked to power larger properties, even up to light industrial size.

POTTERTON KINGFISHER Mf

Floor Standing Cast Iron Gas Fired Boilers

Kingfisher Mf offers a number of benefits over its competitors. Its fanned flue design complies with the strictest requirements of Document J of the Building Regulations and in CF mode it offers a adjustable flue positioning to more easily marry up to existing flues. All models in the range are the same compact size - just 290 mm wide.

POTTERTON OSPREY

Floor Standing Cast Iron Gas Fired Boilers

Osprey is ideally suited to meet the demands of the larger home, small office building or factor. The integral draught diverter standard flow and return connections at the rear and robust trouble free design make the Osprey the natural choice for jobs requiring more power.

POTTERTON OIL FIRED BOILERS

Floor Standing Oil Fired Boilers

The POTTERTON range of Oil Fired Boilers offers solutions for most oil boiler requirements and provides state-of-the-art design, superb performance, reliability and ease of installation. The twelve-model range includes two oil fired combination boilers.

NOTES

Contacts

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Fax: 01926 410 006

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POTTERTON supports



*The code of practice for the installation,
commissioning & servicing of central heating systems*



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intelligently applied technology