



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

780

stainless steel doors

450

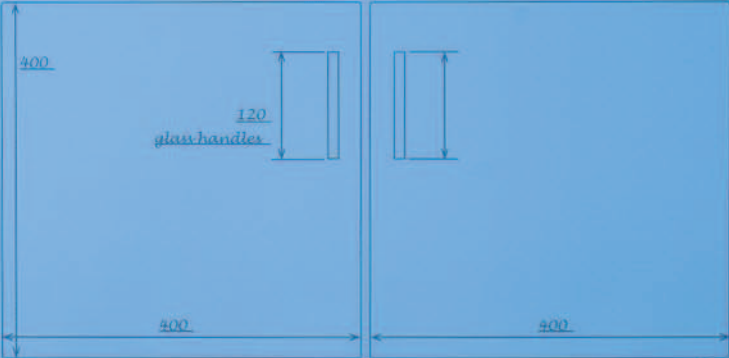
tiled to bottom of work bench

stainless steel mixer taps

intelligently applied technology

granite Belfast double sink with waste disposal

granite worktop





The Professional's Choice

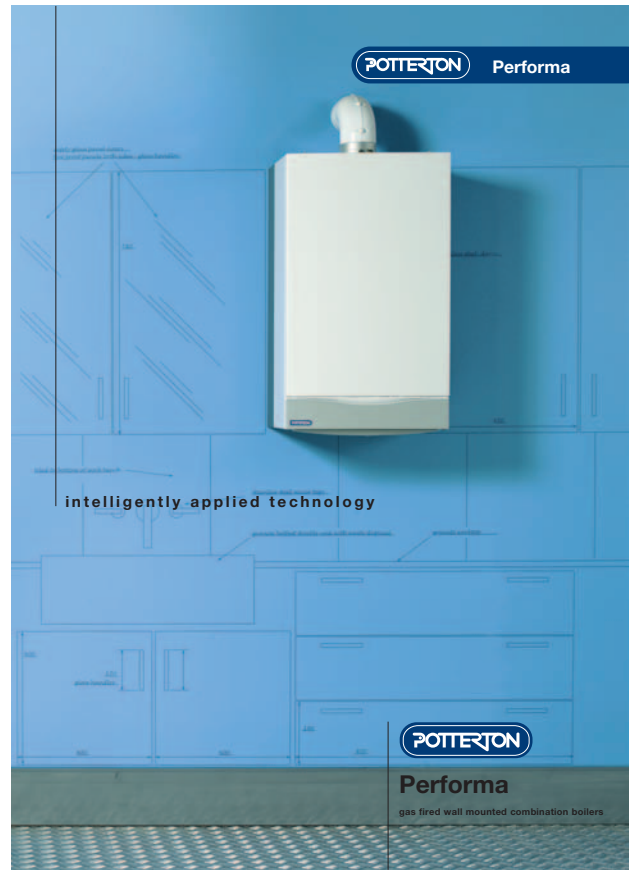
Generations of heating engineers and end users alike have long associated the Potterton name with top quality, high specification products that are easy to install and reliable in service. Founded over 150 years ago, and with more than 5 million boilers installed, Potterton has entered the 21st century 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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The New POTTERTON Performa Range gas fired wall mounted combination boiler

This exciting 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



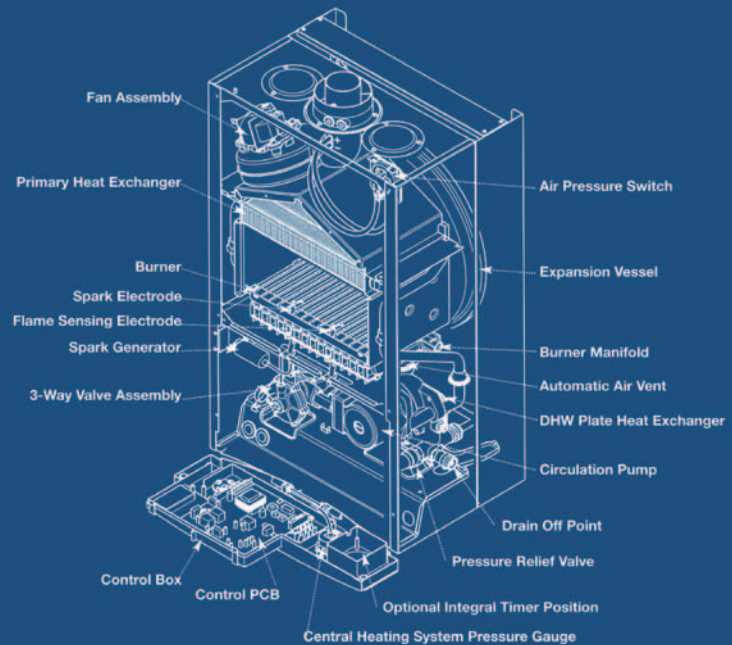
Performa 24 gas fired wall mounted combination boiler

The Performa 24 features a simple 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 or 30m equivalent length)
- Optional integral controls
- Optional LPG conversion kit



technology map

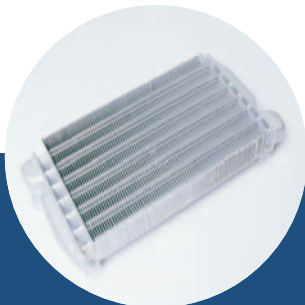




Performa 28 gas fired wall mounted combination boiler

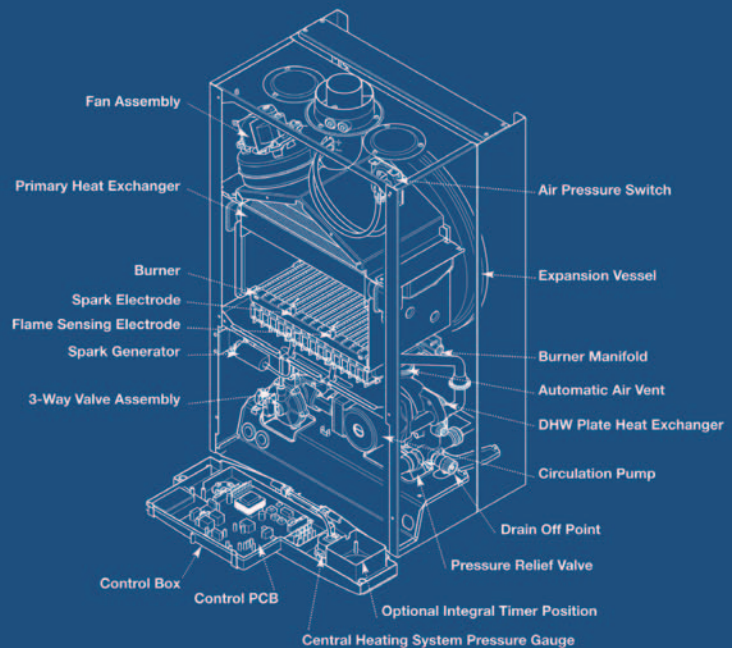
The Performa 28 features a drop down door that conceals the control panel. The output to domestic hot water and central heating is 29.4 kW which corresponds to a hot water flow rate of 12.0 litres per minute raised 35°C.

- 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 or 24m equivalent length)
- 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





Performa 28i gas fired wall mounted combination boiler

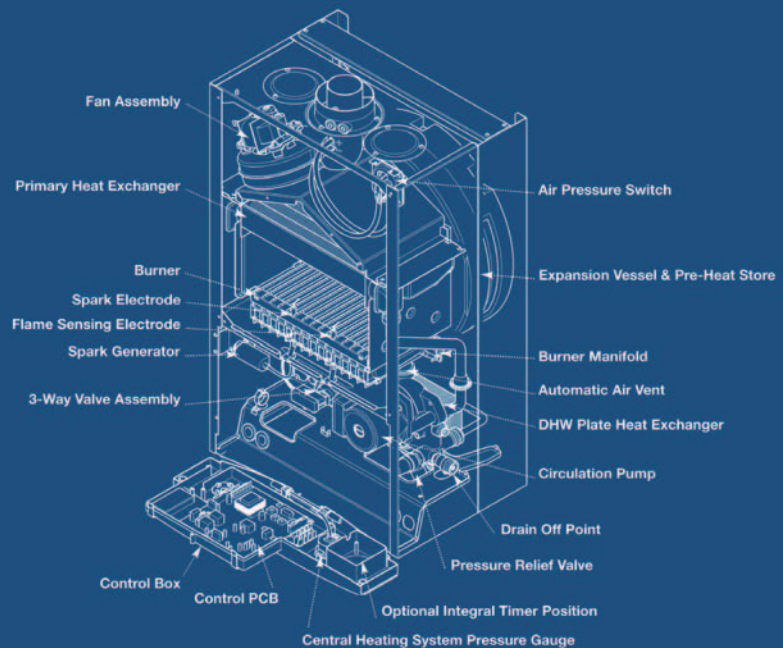
The Performa 28i features a drop down door that conceals the control panel. This 29.4 kW boiler delivers a hot water flow rate of up to 12.0 litres per minute raised 35°C. Near instantaneous hot water performance is facilitated by means of a compact integral storage vessel (within 8 seconds for 35°C 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 or 24m equivalent length)
- 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



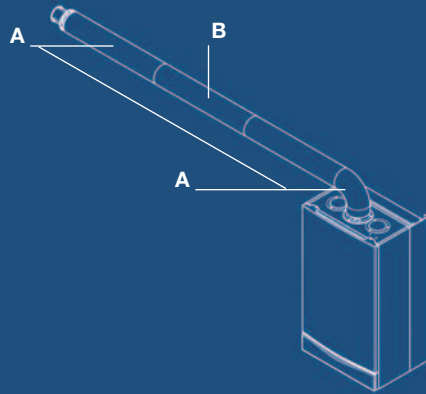
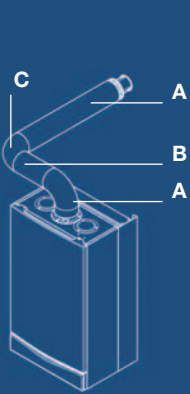
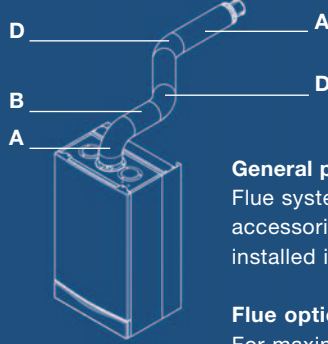
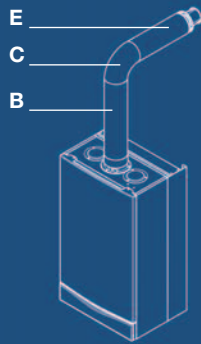
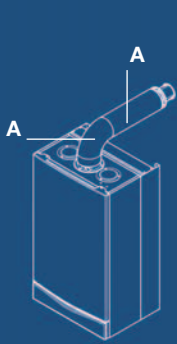


Performa

technical information

	Units	POTTERTON Performa 24	POTTERTON Performa 28	POTTERTON Performa 28i
Max 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
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	190
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	30	24	24

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

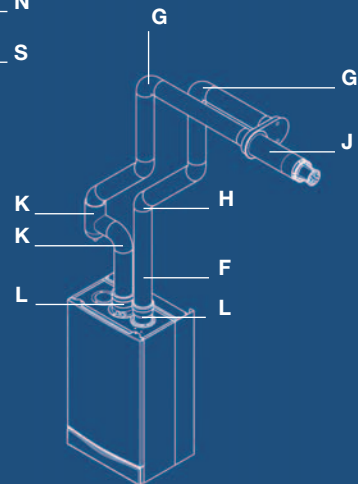
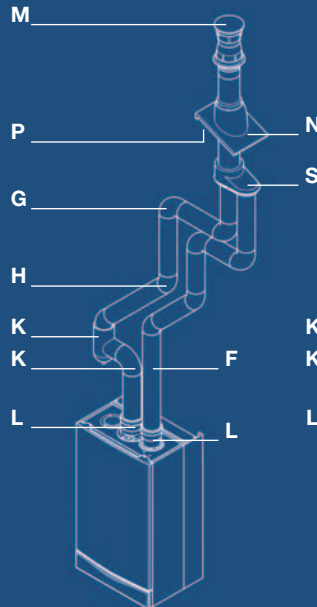
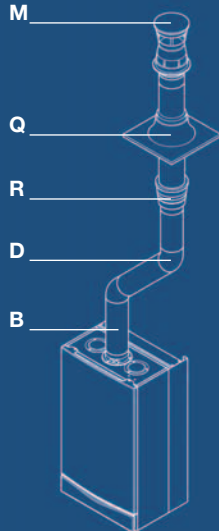
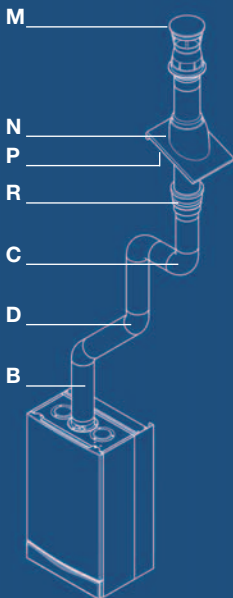
For maximum permissible equivalent flue lengths refer to technical data table.

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.

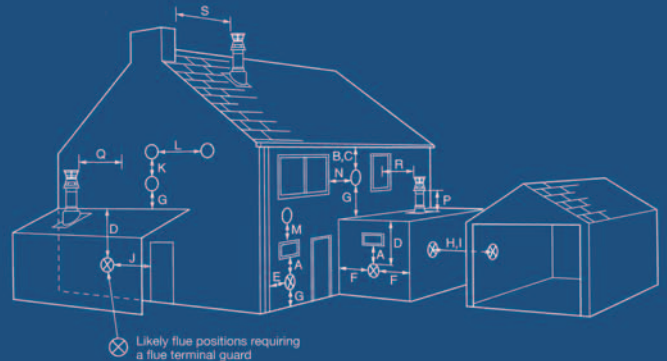


Note: These are general illustrations only – detailing of actual components will vary from model to model.

Performa accessories

	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

Minimum clearances



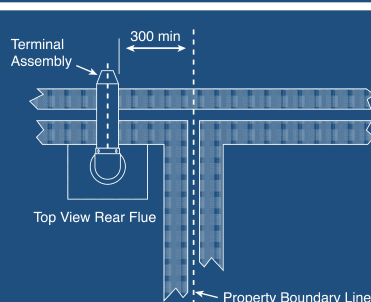
Horizontal flues - Minimum distance to edge of terminal mm

A^a Directly below an openable window, air vent or any other ventilation opening	300
B Below gutter, drain/soil pipe	25
C Below eaves	25
D Below a balcony/carport roof	25
E From vertical drain pipes and soil pipes	25
F From internal or external corners	25
G Above adjacent ground or balcony level	300
H From a surface facing the terminal	600
I Facing terminals	1200
J From opening (door/window) in carport into dwelling	1200
K Vertically from a terminal on the same wall	1500
L Horizontally from a terminal on the same wall	300
M^a Above an opening, air brick, opening window, etc	300
N^a Horizontally to an opening, air brick, opening window, etc	300

Vertical flues - Minimum distance mm to edge of terminal

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

^a In addition, the terminal should be no nearer than 150 mm to an opening in the building fabric formed for the purpose of accommodating a built-in element such as a window frame. See BS 5440 Pt. 1.

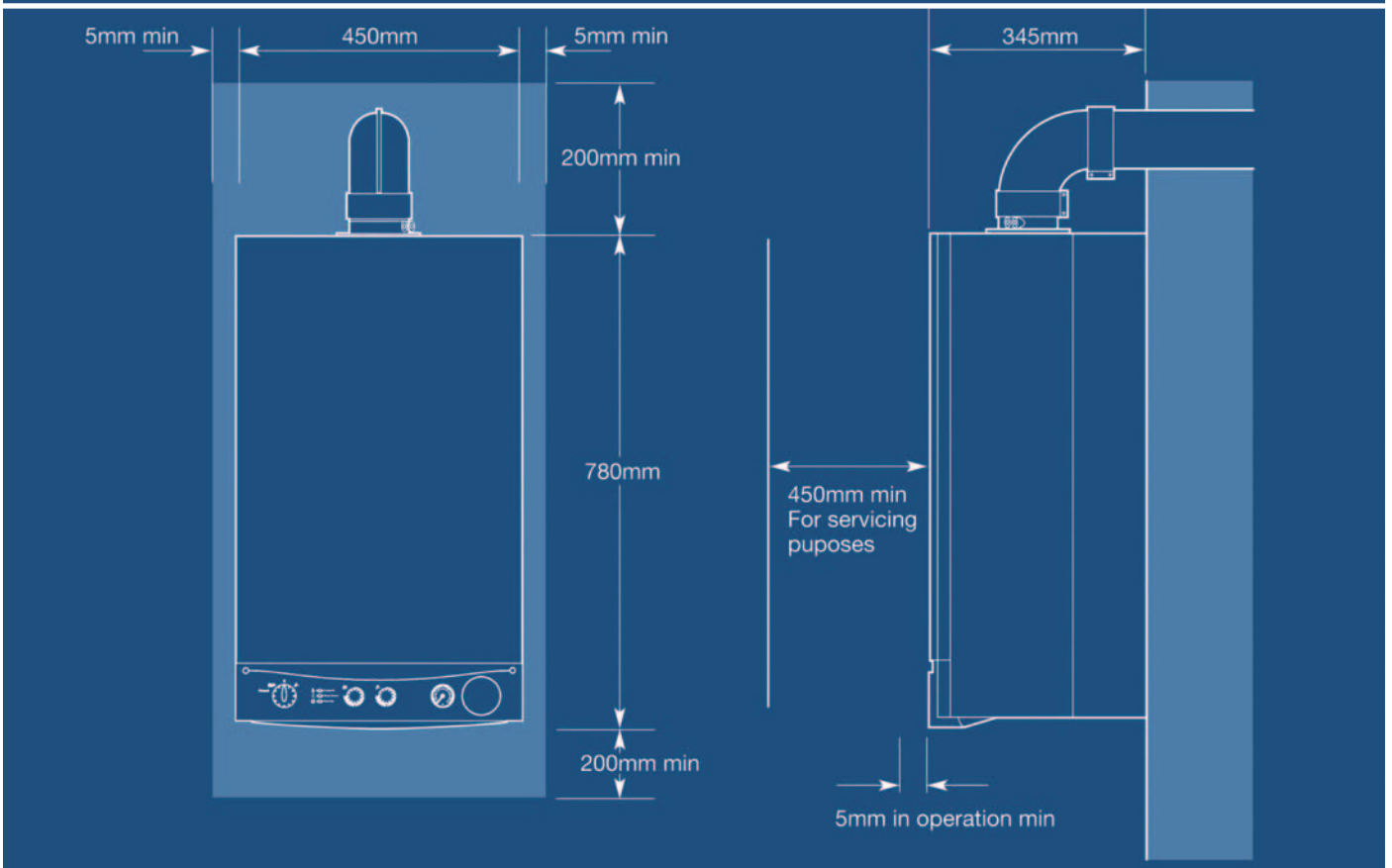
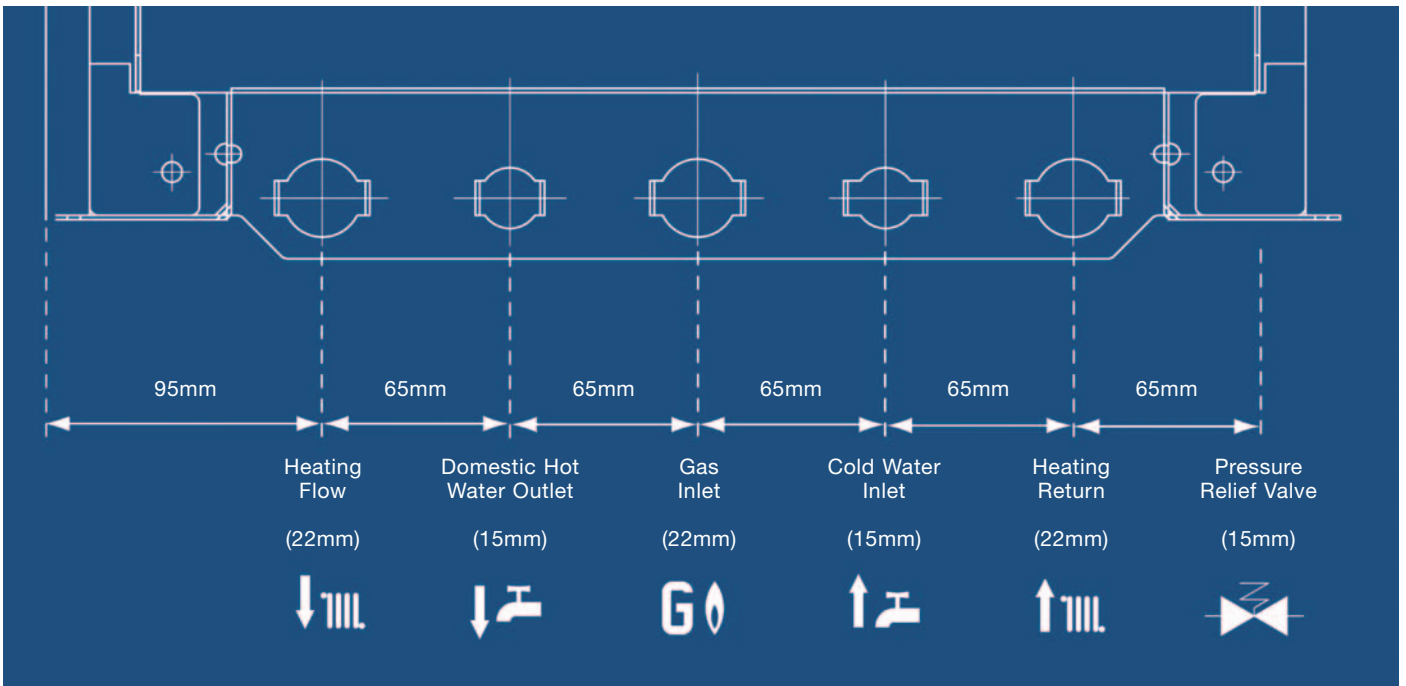


NOTE: The distance from a fanned draught appliance terminal installed parallel to a boundary may not be less than 300mm in accordance with the diagram opposite.



Performa pipe work

- Performa 24
- Performa 28 (Pre-plumbing wall plate supplied)
- Performa 28i (Pre-plumbing wall plate supplied)





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 SUPRIMA L

Wall Mounted Gas 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 outputs satisfies all domestic applications, and the larger models (35kW) can be linked to power larger properties, even up to light industrial size.

POTTERTON PROFILE L

Wall Mounted Gas Boilers

Profile L offers a proven solution for applications where a wall hung cast iron boiler is required in a wide range of outputs. It's 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 KINGFISHER Mf L

Floor Standing Gas Boilers

Kingfisher Mf L 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 OIL BOILERS

Floor Standing Oil Boilers

The POTTERTON range of oil boilers offers solutions for most oil boiler requirements and provides state-of-the-art design, superb performance, reliability and ease of installation.

POTTERTON PROMAX HE L

Wall Mounted High Efficiency Boilers

The new Promax is the first in a range of high efficiency product introductions that will further broaden the Potterton range and ensures it continues to full address the needs of professional installers, specifiers and end users alike.

NOTES

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