## POTTERTON







## POTTERTON

# 150 years of British-built brilliance

If you want to know what makes Potterton different, this fact should illustrate it perfectly; for more than 150 years, we've manufactured more than seven million boilers right across Great Britain.

All Potterton boilers are backed by our award-winning customer support service, for your complete peace of mind.

#### Market-leading specification at a game-changing price.

Before any boiler leaves our factory, it must achieve a 100% pass rate throughout our rigorous testing programme. This provides confidence that all Potterton boilers will meet A-rated performance, reliability and high-efficiency.

#### Total peace of mind with parts and labour warranties.

We're so confident of the quality of our boilers that we're now offering a seven year parts and labour warranty for the Potterton Titanium range\*. The Potterton Gold has a two year parts and labour warranty as standard.\*

#### The best support service in the business.

It's not just our boilers that are the best you can get. Our support service is too, Baxi Customer Support offers award winning customer service from our UK contact centre and hundreds of our own highly trained Gas Safe registered engineers across the UK, so we are here to help, if you need us.

Potterton - totally dependable.

<sup>\*</sup>Terms and conditions apply. Visit www.potterton.co.uk/warranty for more details.

# Why choose Potterton?

Whichever boiler you choose, you can depend on Potterton.

#### Reliability

Every boiler is tested using gas, electricity and water before it leaves the production line. If it doesn't get 100%, it doesn't pass.

#### **Energy efficiency**

All Potterton boilers are extremely energy efficient and are Energy Saving Trust Endorsed, so they are economical to run and kind to the environment.

#### **Engineering quality**

Potterton boilers are manufactured in the UK, using tried and tested technology and genuine, approved components.

#### Easy to install

Wall mounting plates, 1.3 metre lead\*\* and flexible flue options save valuable time during installation.

<sup>\*\*</sup>Only on the Combi and System. 1 metre on Titanium Heat.



## Potterton Titanium Combi

Efficient, flexible and easy to install the Potterton Titanium Combi gives complete peace of mind.

Available in 24kW, 28kW, 33kW and 40kW outputs

**Energy Saving Trust Endorsed** 

Flue lengths of up to 20m for flexibility of siting





Range of outputs

Energy Saving Trust Endorsed

#### **Efficient**

The Potterton Titanium Combi boiler delivers instant hot water and heating, extremely efficiently. It is fully modulating, regulating output to suit demand, making it very cost effective to run.

A seven year parts and labour warranty\* gives complete peace of mind for both installer and householder.

Feature	Benefits
Outputs of 24kW, 28kW, 33kW and 40kW	A model for every size of home
24 hour mechanical clock and filling loop supplied as standard	Saves time during installation
Wall mounting plate	For easier installation
Extensive flue options up to 20 metres	Makes it easier to site the boiler
Energy Saving Trust Endorsed	Meets the strictest product and energy performance criteria, and is extremely energy efficient and cost effective
7 year warranty*	For complete peace of mind

## **Technical information**

The Potterton Titanium Combi is compatible with Flue Group A, G and N

Potterton Titanium Cor	ומוד	24kW	28kW	33kW	40kW
Sales code		7219493	7219494	7219495	7219496
Controls					
Concealed user controls		<b>√</b>	✓	✓	✓
On/off switch with reset			/	/	✓ .
User adjustable DHW temperature		<b>√</b>			· /
User adjustable CH temperature		✓ 	/ 0 1 1 10 1 FD	/ 0.15.15.00.15D	✓ 
LED temp/status/fault diagnosis display		2 digits/3 LEDs	2 digits/3 LEDs	2 digits/3 LEDs	2 digits/3 LEDs
Integral 24hr electro-mechanical timer  Gas		· ·	<b>~</b>	<b>V</b>	<b>V</b>
Gas supply pipe size	mm	22	22	22	22
Natural gas	111111	<u>∠∠</u>	<u>∠∠</u>	<u>∠∠</u>	
Nominal inlet supply pressure	mbar	20	20	20	20
Maximum gas rate	m³/hr	2.61	3.1	3.6	4.36
Heat Input Central Heating (CH)	kW Max Gross(QnHs)	22.7	27.4	32.1	36.4
, ,	kW Min Gross(QnHs)	7.8	10	10.8	11
Heat Output CH non condensing	kW Max (Pn)	20	24	28	32
•	kW min (Pn)	6.8	8.7	9.4	9.6
Heat Output CH condensing	kW max (Pnc)	21	25.9	30.3	34.4
	kW min (Pnc)	7.4	9.5	10.2	12.1
Heat Input Domestic Hot Water	kW Max Gross (QnwHs)	27.4	32.1	37.7	45.7
Heat Output Domestic Hot Water	kW Max (Pn)	24	28	33	40
Maximum domestic hot water flow rate	l/min @ 35°C rise	9.8	11.5	13.5	16.4
SAP 2009 Annual Efficiency (PCDB/SEDBUK)	%	88.6	88.6	88.5	88.5
NOx Class		5	5	5	5
ErP Product Information					
NOx	mg/kWh	20	23	20	23
Sound Power Level, Indoors	LWA dB	50	53	52	50
Space Heating Efficiency Class		Α	A	Α	Α
Water Heating Declared Load Profile		XL	XL.	XL .	XL
Water Heating Efficiency Class		A	Α	A	Α
Electrical	) ( ) ( ) ( )	000/50	000/50	000/50	000/50
Electrical supply	Volts/Hz	230/50	230/50	230/50	230/50
Permanent live required	wette			105	
Power consumption  External five rating	watts	85 3	120 3	125	125
External fuse rating Internal fuse rating	amps		F2L	F2L	
Ingress protection rating		IPX 5D	IPX 5D	IPX 5D	IPX 5D
24 hour pump exercise		- IFX3D	√	√ /	√ /
Pump overrun		/			
Integral 'boiler only' frost thermostat		/	/	/	/
Mechanical and hydraulic					
Compartment ventilation requirement		None	None	None	None
Pre-plumbing/wall mounting jig		✓ <b>/</b>	✓	✓ <b>/</b>	/
Flow and return pipe size	mm	22	22	22	22
Condensate discharge pipe size	mm	21.5	21.5	21.5	21.5
Integral automatic bypass		1	1	1	1
Min domestic hot water flow rate	l/min	2	2	2	2
Min domestic hot water operating pressure	bar	0.15	0.15	0.15	0.15
Maximum DHW system pressure	bar	8	8	8	8
Safety discharge pressure	bar	3	3	3	3
Integral expansion vessel capacity	litres	8	8	8	8
Max capacity of central heating system	litres	125	125	125	125
Temporary filling loop included		✓	✓	✓	✓
CH system inhibitor required		✓	✓	✓	✓
Concentric flue systems					
Standard horizontal flue kit length	mm	685	685	685	685
Max equiv length horizontal/vertical (60/100mm)	m	10	10	10	10
Max equiv length horizontal/vertical (80/125mm)	m	20	20	20	20
Equivalent length per 135° bend	m	0.5	0.5	0.5	0.5
Equivalent length per 93° bend	m	1	1	1	1
Twin flue system					
Diameters	mm	80/80	80/80	80/80	80/80
Max equiv length horizontal/vertical (parallel pipes)	m	15/15	15/15	15/15	15/15
Equivalent length per 135° bend	m	0.25	0.25	0.25	0.25
Equivalent length per 91.5° Bend	m	0.5	0.5	0.5	0.5
Weights		40.0	40.0	42 =	
Max installation lift weight	kg	40.2	40.2	41.7	42.2
Gross packaged boiler weight	kg	46	46	47.5	48

## **Technical specification**







#### **Dimensions**

A width 450mm B height 780mm C depth 345mm

#### **Service clearances**

D side 5mmE upper 175mm minF lower 150mm min

**G** front 5mm min in operation 450mm for servicing

NB flue is offset to the right

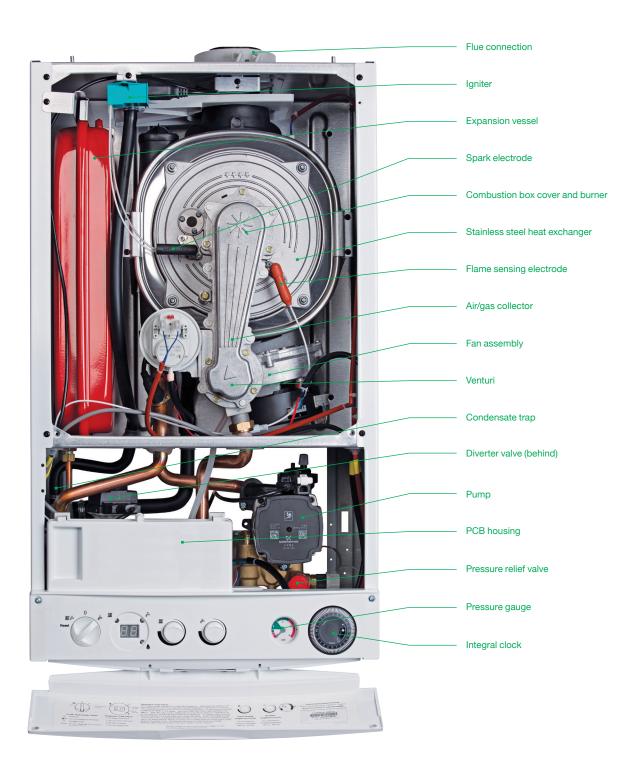
24 hour timer as standard

Preplumbing jig

Extensive flue options



## **Inside the boiler**



## **Flues**

These are the flues most frequently installed with the Potterton Titanium Combi ErP. For the full range, see pages 28-31.

#### Horizontal concentric flues Ø 60/100mm

#### **MULTIFIT FLUE GROUP A**

Item	Description (multifit) flue system	Colour	Specification	Key and OD dimensions	Sales code
4	Standard horizontal flue inc. low profile elbow and fixing screws*	White pipe/ black terminal	685mm	100mm	7222019
8	1m flue extension inc. fixing screws	White	1000mm	100mm	720648801
11	93° flue bend inc. fixing screws	White	93°	100mm	720648401
13	135° flue bend inc. fixing screws (pair)	White	135°	100mm	720647901

#### 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
27	Vertical flue terminal	Black		100mm	5118576
8	1m flue extension inc. fixing screws	White	1000mm	100mm	720648801
11	93° flue bend inc. fixing screws	White	93°	100mm	720648401
13	135° flue bend (pair) inc. fixing screws	White	135°	100mm	720647901
29	Pitched roof flashing		25°/50°	125mm	5122151
30	Flat roof flashing			125mm	246144

### 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 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
	Plume displacement terminal guard (not shown)	Stainless Steel	100mm	60mm	720644601

\*Not compatible with items 16 and 20. \*\*Compatible with item 1.



## Potterton Gold Combi

Reliable construction and high efficiency make this a great, dependable boiler.

Available in 24kW, 28kW and 33kW outputs

Pre-plumbing jig

Flue lengths of up to 20m for flexibility of siting





Range of outputs

Energy Saving Trust Endorsed

#### Reliable

The Potterton Gold Combi combines long term reliability and ease of installation with high efficiency and ultra-low emissions.

A two year parts and labour warranty gives complete peace of mind for both installer and householder.

Feature	Benefits
Outputs of 24kW, 28kW and 33kW	Suitable for most sizes of home
Fully modulating	Adapts output to suit demand, making it extremely cost efficient to run
Flue lengths up to 20 metres	For great siting flexibility
24 hour mechanical clock and filling loop supplied as standard	For maximum comfort and energy efficiency
Pre-plumbing jig	For easy installation; allows first fix of system pipework, before the boiler is installed
2 year parts and labour warranty*	For complete peace of mind
Energy Saving Trust Endorsed	Meets the strictest product and energy performance criteria, and is extremely energy efficient and cost effective

## **Technical information**

The Potterton Gold Combi is compatible with Flue Group A, G and N

Potterton Gold Combi		24kW	28kW	33kW	28kW LPG
Sales code		7219427	7219428	7219429	7219430
Controls					
Concealed user controls		✓	✓	✓	<b>√</b>
On/off switch with reset		<b>√</b>	<b>✓</b>	✓	
User adjustable DHW temperature		/	<b>✓</b>	/	
User adjustable CH temperature		O digita/O I EDa	O elicite/O I EDe	O dicito/O LEDo	O dicito/O LED
LED temp/status/fault diagnosis display Integral 24hr electro-mechanical timer		2 digits/3 LEDs	2 digits/3 LEDs	2 digits/3 LEDs	2 digits/3 LED:
Gas		v	•	•	·
Gas supply pipe size	mm	22	22	22	22
Natural gas		<b>√</b>	<u>-</u>	1	N/A
LPG (propane)		N/A	N/A	N/A	1
Nominal inlet supply pressure NG	mbar	20	20	20	N/A
Nominal inlet supply pressure LPG	mbar	N/A	N/A	N/A	37
Maximum gas rate	m³/hr	2.61	3.1	3.6	2.25 kg/hr
Heat Input Central Heating (CH)	kW Max Gross(QnHs)	22.7	27.4	32.1	27.4
	kW Min Gross(QnHs)	7.8	10	10.8	10
Heat Output CH non condensing	kW Max (Pn)	20	24	28	24
Heat Oute to Old and depoin	kW min (Pn)	6.8	8.7	9.4	8.7
Heat Output CH condensing	kW max (Pnc)	21 7.4	25.9	30.3	25.9
Heat Input Domestic Hot Water	kW min (Pnc) kW Max Gross (QnwHs)	27.4	9.5 32.1	10.2 37.7	9.5
Heat Output Domestic Hot Water	kW Max (Pn)	24	28	33	28
Maximum domestic hot water flow rate	l/min @ 35°C rise	9.8	11.5	13.5	11.5
SAP 2009 Annual Efficiency (PCDB/SEDBUK)	%	88.6	88.6	88.5	90.6
NOx Class		5	5	5	5
ErP Product Information					
NOx	mg/kWh	20	23	20	23
Sound Power Level, Indoors	LWA dB	50	53	52	53
Space Heating Efficiency Class		Α	Α	A	Α
Water Heating Declared Load Profile		XL	XL	XL	XL
Water Heating Efficiency Class		A	Α	A	A
Electrical					
Electrical supply	Volts/Hz	230/50	230/50	230/50 ✓	230/50
Permanent live required	watta	<b>v</b>	120	125	120
Power consumption  External fuse rating	watts amps	3	3	3	3
Internal fuse rating	аттрз	F2L	F2L	F2L	5 F2L
Ingress protection rating					
(without electro-mechanical timer fitted)		IPX 5D	IPX 5D	IPX 5D	IPX 5D
24 hour pump exercise		/	✓	✓	1
Pump overrun		✓	✓	✓	1
Integral 'boiler only' frost thermostat		✓	✓	✓	1
Mechanical and hydraulic					
Compartment ventilation requirement		None	None	None	None
Pre-plumbing/wall mounting jig		✓	✓	✓	
Flow and return pipe size	mm	22	22	22	22
Condensate discharge pipe size	mm	21.5	21.5	21.5	21.5
Integral automatic bypass			✓ 2		
Min domestic hot water flow rate	l/min	2	2	2	2
Min domestic hot water operating pressure	bar	0.15	0.15	0.15 8	0.15
Maximum DHW system pressure Safety discharge pressure	bar bar	8 3	3	3	8
Integral expansion vessel capacity	litres	8	8	8	8
Max capacity of central heating system	litres	125	125	125	125
CH system inhibitor required	11.00	✓ /	✓ ×	✓ /	✓ /
Concentric flue systems					
Standard horizontal flue kit length	mm	685	685	685	685
Max equiv length horizontal/vertical (60/100mm)	m	10	10	10	10
Max equiv length horizontal/vertical (80/125mm)	m	20	20	20	20
Equivalent length per 135° bend	m	0.5	0.5	0.5	0.5
Equivalent length per 93° bend	m	1	1	1	1
Twin flue system					
Diameters	mm	80/80	80/80	80/80	80/80
Max equiv length horizontal/vertical (parallel pipes)	m	15/15	15/15	15/15	15/15
Equivalent length per 135° bend	m	0.25	0.25	0.25	0.25
Equivalent length per 91.5° Bend	m	0.5	0.5	0.5	0.5
Weights					
Max installation lift weight	kg	40.2	40.2	41.7	40.2
Gross packaged boiler weight	kg	46	46	47.5	46

## **Technical specification**







#### **Dimensions**

A width 450mm B height 780mm C depth 345mm

### Service clearances

D side 5mm E upper 175mm min F lower 150mm min

**G** front 5mm min in operation 450mm for servicing

NB flue is offset to the right

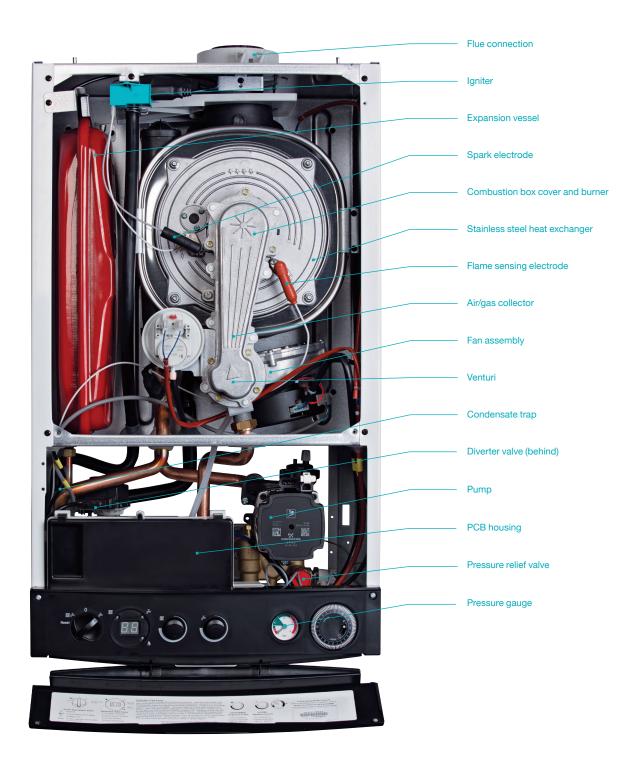
Cost efficient

Two year parts and labour warranty\*

Up to 20 metres flue



## **Inside the boiler**



## **Flues**

These are the flues most frequently installed with the Potterton Gold Comb ErP. For the full range, see pages 28-31.

#### Horizontal concentric flues Ø 60/100mm

#### **MULTIFIT FLUE GROUP A**

Item	Description (multifit) flue system	Colour	Specification	Key and OD dimensions	Sales code
4	Standard horizontal flue inc. low profile elbow and fixing screws*	White pipe/ black terminal	685mm	100mm	7222019
8	1m flue extension inc. fixing screws	White	1000mm	100mm	720648801
11	93° flue bend inc. fixing screws	White	93°	100mm	720648401
13	135° flue bend inc. fixing screws (pair)	White	135°	100mm	720647901

#### 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
27	Vertical flue terminal	Black		100mm	5118576
8	1m flue extension inc. fixing screws	White	1000mm	100mm	720648801
11	93° flue bend inc. fixing screws	White	93°	100mm	720648401
13	135° flue bend (pair) inc. fixing screws	White	135°	100mm	720647901
29	Pitched roof flashing		25°/50°	125mm	5122151
30	Flat roof flashing			125mm	246144

## 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 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
	Plume displacement terminal guard (not shown)	Stainless Steel	100mm	60mm	720644601

\*Not compatible with items 16 and 20. \*\*Compatible with item 1.



## Potterton Gold System

Reliable construction and high efficiency make this a great, dependable boiler.

Available in 18kW, 24kW and 28kW outputs

Pre-plumbing jig

Flue lengths of up to 20m for flexibility of siting







Energy Saving Trust Endorsed

## **Highest demand**

The Potterton Gold System boiler has a choice of outputs to suit homes with even the highest demand for hot water.

A two year parts and labour warranty gives complete peace of mind for both installer and householder.

Feature	Benefits
Outputs of 18kW, 24kW and 28kW	Suits most property sizes
Fully modulating	Adapts output to suit demand, making it extremely cost efficient to run
Pre-plumbing jig	For easy installation; allows first fix of system pipework, before the boiler is installed
Built-in frost protection	Protects the boiler when installed in unheated garages or utility rooms
Flue lengths up to 20 metres	For great siting flexibility
Two year parts and labour warranty*	For peace of mind
Energy Saving Trust Endorsed	Meets the strictest product and energy performance criteria, and is extremely energy efficient and cost effective

## **Technical information**

The Potterton Gold System is compatible with Flue Group A, G and N

<b>Potterton Gold System</b>		18kW	24kW	28kW
Sales code		7219439	7219440	7219441
Controls				
Concealed user controls		✓	1	1
On/off switch with reset		1	/	1
User adjustable CH temperature		/	/	1
LED temp/status/fault diagnosis display		2 digits/3 LEDs	2 digits/3 LEDs	2 digits/3 LEDs
Gas		- G	Ü	Ü
Gas supply pipe size	mm	22	22	22
Natural gas		✓	✓	✓
Nominal inlet supply pressure	mbar	20	20	20
Maximum gas rate NG	m <sup>3/hr</sup>	1.95	2.61	3.1
Heat Input Central Heating (CH)	kW Max Gross(QnHs)	20.5	27.4	32.1
, ,	kW Min Gross(QnHs)	4.8	7.8	10.8
Heat Output CH non condensing	kW Max (Pn)	18	24	28
	kW min (Pn)	4.2	6.8	9.4
Heat Output CH condensing	kW max (Pnc)	19.4	25.9	30.3
	kW min (Pnc)	4.5	7.5	10.2
SAP 2009 Annual Efficiency (PCDB/SEDBUK)	%	88.6	88.6	88.5
NOx Class		5	5	5
ErP Product Information				
NOx	mg/kWh	29	20	20
Sound Power Level, Indoors	LWA dB	53	58	53
Space Heating Efficiency Class	EVV COB	A	A	A
Electrical				
Electrical supply	Volts/Hz	230/50	230/50	230/50
Permanent live required	VOIG/TIZ	✓	<b>V</b>	✓
Power consumption	watts	105	115	125
External fuse rating	amps	3	3	3
Internal fuse rating	arips	F2L	F2L	F2L
Ingress protection rating		IPX 5D	IPX 5D	IPX 5D
24 hour pump exercise			<b>√</b>	√ /
Pump overrun		✓	/	
Integral 'boiler only' frost thermostat			/	
		•	•	•
Mechanical and hydraulic				
Compartment ventilation requirement		None	None	None
Pre-plumbing/wall mounting jig		<b>√</b>	<b>√</b>	<b>✓</b>
Flow and return pipe size	mm	22	22	22
Condensate discharge pipe size	mm	21.5	21.5	21.5
Integral automatic bypass		<i></i>	<b>✓</b>	<b>✓</b>
Safety discharge pressure	bar	3	3	3
Integral expansion vessel capacity	litres	8	8	8
Max capacity of central heating system	litres	125	125	125
CH system inhibitor required		✓	✓	✓
Concentric flue systems				
Standard horizontal flue kit length	mm	685	685	685
Max equiv length horizontal/vertical (60/100mm)	m	10	10	10
Max equiv length horizontal/vertical (80/125mm)	m	20	20	20
Equivalent length per 135° bend	m	0.5	0.5	0.5
Equivalent length per 93° bend	m	1	1	1
Twin flue system				
Diameters	mm	80/80	80/80	80/80
Max equiv length horizontal/vertical (parallel pipes)	m	15/15	15/15	15/15
Equivalent length per 135° bend	m	0.25	0.25	0.25
Equivalent length per 91.5° Bend	m	0.5	0.5	0.5
Weights				
Max installation lift weight	kg	36.4	37.9	37.9
Gross packaged boiler weight	kg	41.5	43	43

## **Technical specification**







#### **Dimensions**

A width 450mm B height 780mm C depth 345mm

#### Service clearances

D side 5mm E upper 175mm min F lower 150mm min

**G** front 5mm min in operation 450mm for servicing

NB flue is offset to the right

Cost efficient

Two year parts and labour warranty\*

Up to 20 metres flue



## **Inside the boiler**



## **Flues**

These are the flues most frequently installed with the Potterton Gold System ErP. For the full range, see pages 28-31.

#### Horizontal concentric flues Ø 60/100mm

#### **MULTIFIT FLUE GROUP A**

Item	Description (multifit) flue system	Colour	Specification	Key and OD dimensions	Sales code
4	Standard horizontal flue inc. low profile elbow and fixing screws*	White pipe/ black terminal	685mm	100mm	7222019
8	1m flue extension inc. fixing screws	White	1000mm	100mm	720648801
11	93° flue bend inc. fixing screws	White	93°	100mm	720648401
13	135° flue bend inc. fixing screws (pair)	White	135°	100mm	720647901

#### 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
27	Vertical flue terminal	Black		100mm	5118576
8	1m flue extension inc. fixing screws	White	1000mm	100mm	720648801
11	93° flue bend inc. fixing screws	White	93°	100mm	720648401
13	135° flue bend (pair) inc. fixing screws	White	135°	100mm	720647901
29	Pitched roof flashing		25°/50°	125mm	5122151
30	Flat roof flashing			125mm	246144

### 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 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
	Plume displacement terminal guard (not shown)	Stainless Steel	100mm	60mm	720644601

\*Not compatible with items 16 and 20. \*\*Compatible with item 1.



## Potterton Titanium Heat

The lightest boiler available on the UK market\*\* with no pump overrun or permanent live required.

Available in 12kW, 15kW, 18kW, 24kW and 30kW outputs
Only 19.5kg installer lift weight
Easy fit wall mounting bracket





Front and side access

Lightweight and compact

## Compact and lightweight

The Potterton Titanium Heat boiler has a choice of outputs to suit most properties and pockets.

A seven year parts and labour warranty\* gives complete peace of mind for both installer and householder.

Feature	Benefits
Outputs of 12kW, 15kW, 18kW, 24kW and 30kW	To suit most property sizes
Only 19.5kg installer lift 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
Top or rear central flue	For ease of installation
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
Wide choice of flue lengths, bends and accessories	For versatile siting

<sup>\*</sup>Subject to registration and an annual service. Terms and conditions apply. Visit www.potterton.co.uk/warranty for more details.
\*\* As of March 2017

## **Technical information**

The Potterton Titanium Heat is compatible with flue group A

<b>Potterton Titanium Heat</b>		12kW	15kW	18kW	24kW	30kW
Sales code		7668920	7668922	7668923	7668924	7668925
Controls						
Concealed user controls		✓	✓	✓	1	1
Gas						
Gas (Natural Gas/LPG)		NG	NG	NG	NG	NG
Inlet Supply Pressure	mbar	20	20	20	20	20
Maximum gas rate	m <sup>3/hr</sup>	1.42	1.75	2.07	2.73	3.27
Heat Input Central Heating (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
Heat Output CH condensing	kW max (Pnc)	12	15	18	24	30
SAP 2009 Annual Efficiency (PCDB/SEDBUK)	%	89.2	89.2	89.2	89.1	89.1
NOx Class		5	5	5	5	5
ErP Product Information						
NOx	mg/kWh	18	20	21	23	24
Sound Power Level, Indoors	LWA dB	32	33	34	35	37
Space Heating Efficiency Class		A	A	А	A	А
Electrical						
Electrical supply	Volts/Hz	230/50	230/50	230/50	230/50	230/50
Permanent live required		Х	Х	Х	Х	Х
Power consumption	watts	17	20	23	33	44
External fuse rating	amps	3	3	3	3	3
Boiler IPX Rating (Electrical Protection)	Approval category	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D
Integral 'boiler only' frost thermostat		✓	1	✓	✓	✓
Mechanical						
Gas Supply Connection	mm	22	22	22	22	22
Central Heating Connections	mm	22	22	22	22	22
Condensate Drain Connection	mm	21.5	21.5	21.5	21.5	21.5
Upward piping route	mm	✓	1	1	1	✓
Concentric Flue Systems						
Standard telescopic concentric flue length	mm	315 - 500	315 - 500	315 - 500	315 - 500	315 - 500
Horizontal concentric (60/100 mm) - Max equivalent length	mm	6	6	6	6	6
- Reduction per 135° bend	mm	0.5	0.5	0.5	0.5	0.5
- Reduction per 93° bend	mm	1	1	1	1	1
Horizontal concentric (80/125 mm) - Reduction per 93° bend	m	1	1	1	1	1
Weights						
Max 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
Packaged Boiler Dimensions (LxWxD)	mm			765 x 427 x 324	1	

## **Technical specification**



#### **Dimensions**

A width 370mm B height 625mm

C depth 270mm

#### Service clearances

**D** side 5mm<sup>†</sup>

**E** upper 190mm<sup>†</sup> min (35mm<sup>†</sup> if using rear flue)

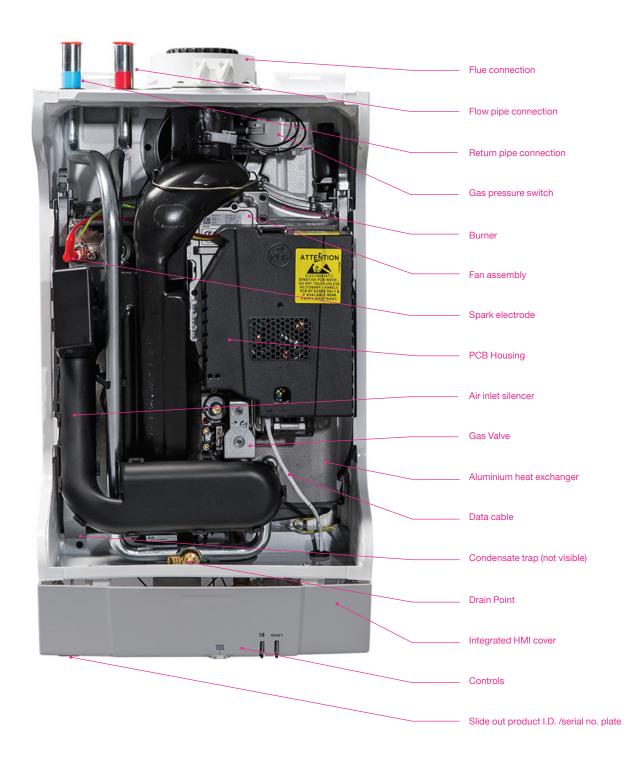
F lower 120mm<sup>†</sup> min (35mm<sup>†</sup> in 300m deep wall cupboard)

**G** front 5mm<sup>†</sup> min in operation 500<sup>†</sup>mm for servicing

19.5kg lift weight 7 year parts and labour warranty\* Top or rear central flue



## **Inside the boiler**



## **Flues**

These are the flues most frequently installed with the Potterton Titanium Heat ErP. For the full range, see pages 28-31.

#### 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	100mm	7222019
8	1m flue extension inc. fixing screws	White	1000mm	100mm	720648801
11	93° flue bend inc. fixing screws	White	93°	100mm	720648401
13	135° flue bend inc. fixing screws (pair)	White	135°	100mm	720647901

## 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 inc. 1m extension and brackets**	White		60mm	720627001
17	Plume displacement kit extension and brackets	White	1000mm	60mm	720643401
20	Plume displacement terminal kit inc. 1m extension and brackets***	Black		60mm	720622901
21	Plume displacement kit extension and brackets	Black	1000mm	60mm	720643301

#### 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
27	Vertical flue terminal	Black		100mm	5118576
8	1m flue extension inc. fixing screws	White	1000mm	100mm	720648801
11	93° flue bend inc. fixing screws	White	93°	100mm	720648401
13	135° flue bend (pair) inc. fixing screws	White	135°	100mm	720647901

\*Not compatible with items 16 and 20. \*\*Compatible with item 1. \*\*\*Compatible with item 2.

## 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 / Store	A (60/100 Concentric)	G (80/125 Concentric)	N (80/80 Twin Pipe)
Horizontal	10	20	15
Vertical	10	20	15
Potterton Heat	B (70/110 Concentric)	P (80/80 Twin Pipe)	
Horizontal	4	75	
Vertical	4	75	

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

#### 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	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 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 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

## 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
26	Vertical ridge flue terminal	Brown		100mm	720647101
27	Vertical flue terminal	Black		100mm	5118576
28	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
29	Pitched roof flashing		25°/50°	125mm	5122151
30	Flat roof flashing			125mm	246144



## Flue solutions

#### Horizontal concentric flues Ø 80/125mm

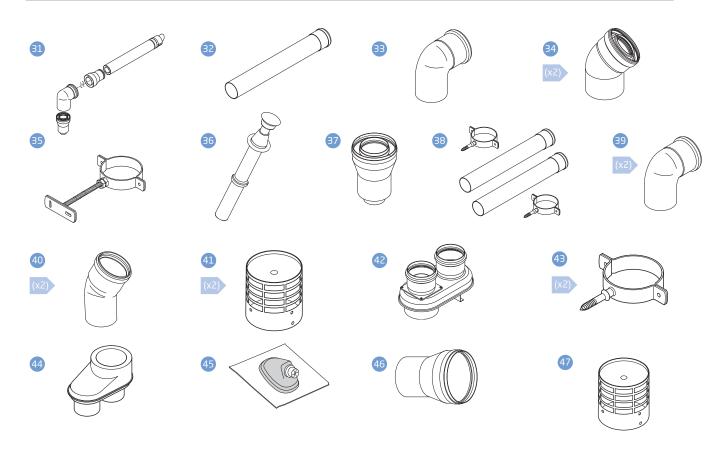
#### **MULTIFIT FLUE GROUP G**

Item	Description (multifit) flue system	Colour	Specification	Key and OD dimensions	Sales code
31	Horizontal flue inc. boiler and terminal adaptors	Black		125mm	5118580
32	1m flue extension	White	1000mm	125mm	5118584
33	Flue bend	White	91.5°	125mm	5118588
34	Flue bend (pair)	White	135°	125mm	5118597
35	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
36	Vertical flue terminal	Black		125mm	5111078
32	1m flue extension	White	1000mm	125mm	5118584
33	Flue bend	White	91.5°	125mm	5118588
34	Flue bend (pair)	White	135°	125mm	5118597
28	Roof cover plate			125mm	246143
37	Flue vertical adaptor	White		100/125mm	5111070
29	Pitched roof flashing		25°/55°	125mm	5122151
30	Flat roof flashing			125mm	246144
35	Pipe support bracket	White	125mm flue pipe	125mm	5118610

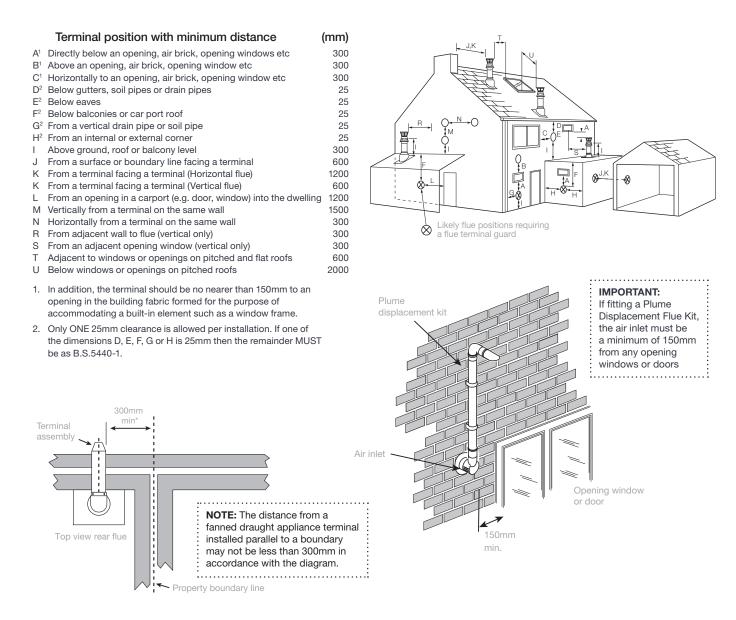


#### Twin pipe flues 80/80mm

#### **MULTIFIT FLUE GROUP N**

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

36       Vertical flue terminal       Black       125mm       5111         38       Twin pipe extension (pair inc. Brackets)       White       1000mm       80mm       5111         39       Twin pipe flue bend (pair)       White       90°       80mm       5111         40       Twin pipe flue bend (pair)       White       135°       80mm       5111         28       Roof cover plate       125mm       2461         41       Twin pipe flue horizontal terminal kit (air and exhaust)       Stainless steel       80mm       5120         42       Twin pipe flue adaptor (boiler)       White       80/80mm       7200         43       Twin pipe support (pair)       White       80mm       5111         44       Twin to concentric adaptor 80/80 - 80/125       White       80/125mm       5111	87
39       Twin pipe flue bend (pair)       White       90°       80mm       5111         40       Twin pipe flue bend (pair)       White       135°       80mm       5111         28       Roof cover plate       125mm       2461         41       Twin pipe flue horizontal terminal kit (air and exhaust)       Stainless steel       80mm       5120         42       Twin pipe flue adaptor (boiler)       White       80/80mm       720         43       Twin pipe support (pair)       White       80mm       5110	
40       Twin pipe flue bend (pair)       White       135°       80mm       5111         28       Roof cover plate       125mm       2461         41       Twin pipe flue horizontal terminal kit (air and exhaust)       Stainless steel       80mm       5120         42       Twin pipe flue adaptor (boiler)       White       80/80mm       720         43       Twin pipe support (pair)       White       80mm       5110	72
28       Roof cover plate       125mm       2461         41       Twin pipe flue horizontal terminal kit (air and exhaust)       Stainless steel       80mm       5120         42       Twin pipe flue adaptor (boiler)       White       80/80mm       7200         43       Twin pipe support (pair)       White       80mm       5111	
Twin pipe flue horizontal terminal kit (air and exhaust) Stainless steel 80mm 5120 42 Twin pipe flue adaptor (boiler) White 80/80mm 5111 43 Twin pipe support (pair) White	36
42       Twin pipe flue adaptor (boiler)       White       80/80mm       7200         43       Twin pipe support (pair)       White       80mm       5111	3
43 Twin pipe support (pair) White 80mm 5111	72
I Productive West /	9801
44 Twin to concentric adaptor 80/80 - 80/125 White 80/125mm 5111	81
77 Time 6 of 100 min adaptor 60, 60 of 120 Time	84
29 Pitched roof flashing 25°/50° 125mm 5122	51
30 Flat roof flashing 125mm 2461	4
45 Pitch roof flue terminal Black 25°/50° 60mm 7205	6301
46 Pitched roof terminal adaptor kit White 60-80mm 5121	92
47 Single flue terminal (air only) 80mm 5121	



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

# Support you can depend on

Potterton is part of Baxi, 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, for the lifetime of the boiler.

- UK customer contact centre
- Nationwide network of Gas Safe registered engineers
- Technical helpline provides expert technical support and advice

Call: 0344 871 1545



#### Genuine parts

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

We can provide all the parts 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 cessation of boiler

Find a genuine part or your nearest stockist: 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

To book your place on a Potterton training course call: 0344 848 8281



#### **Baxi Works**

Sign up to Baxi Works, Baxi's online loyalty scheme for installers. Benefits include:

- Same or next day engineer call out from Baxi Customer Support\*
- Free Gas Safe notification and easy warranty registration
- Scan your barcodes using the Baxi Toolbelt App
- Free annual service reminders sent to your customers on your behalf
- Free listing on baxi.co.uk to receive homeowner leads
- Earn points for every boiler you register

Visit baxiworks.co.uk to find out more

#### Carbon Monoxide

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

- 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

<sup>\*</sup>Full Works terms and conditions apply

Notes		

Notes	

## POTTERTON

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**Customer support** 0344 871 1545

www.potterton.co.uk









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