



Discover a **new** level of efficiency



QUALITY DESIGN. BUILT-IN RELIABILITY.



** AA Rated
Oil Combi Boiler



5mm
Steel Shell



45+ Years
Heating Homes

www.warmflow.co.uk

Founded in 1970, Warmflow is Northern Ireland’s leading manufacturer of award winning, oil-fired boilers with over 45 years experience heating homes across UK & Ireland.

Our award winning range includes oil-fired boilers, the UK & Ireland’s first AA rated combi boiler, hot water cylinders & renewable technologies including wood pellet boilers & Europe’s most efficient ground source heat pump. We also offer a metal fabrication service.

All products are made to the highest standards at our state of the art, 150,000 sq.ft production facility in Lisburn, Northern Ireland.



We pride ourselves on leading the way in innovation, working with customers to ensure we produce products which are easy to install, made using only the highest quality materials and which deliver tangible benefits and cost savings.

To ensure that we maintain our own in house quality standards, we have in place a BSI approved monitoring system, certified to ISO 9001.

QUALITY DESIGN. BUILT-IN RELIABILITY.

All our products have been independently tested and accredited. Our HE range of appliances exceed the minimum ErP efficiency requirements and comply with Document L1A, L1B (England & Wales), The Building Standards (Scotland) Regulations Section 6, Approved Document Part F (Northern Ireland) and with the HARP efficiency requirements for Part L (Republic of Ireland).

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U-Series

Introducing the perfect choice in high efficiency utility and kitchen oil-fired boilers.

- ✓ Available in outputs from 15kW to 44kW
- ✓ Finished in stylish high gloss white casing
- ✓ Front servicing
- ✓ Safe edges design

U-Series

The HE Utility range has been specifically designed to fit into most kitchen & utility room applications. Its stylish white casing houses a highly efficient heat exchanger that can be easily accessed for servicing.

Unique features and benefits

HE boilers are suitable for use on most types of fully pumped heating and hot water systems and are ideal for systems that have been designed to operate with a low return water temperature i.e. under floor heating.

An environmental investment

Designed to be environmentally friendly, Warmflow HE boilers are highly efficient in operation and are ErP 'A' rated. Combining economical operation with a comprehensive 7 year warranty makes Warmflow the perfect choice for oil-fired heating.

All boilers are compatible with bio fuel however they must be commissioned on site and the flexible fuel line(s), nozzle and fuel filter replaced. Please contact Warmflow for further details.



Specifications

MODEL	PRE-WIRED				PRE-PUMPED			
	U70HE	U90HE	U120HE	U150HE	UP70HE	UP90HE	UP120HE	UP150HE
Output (kw)	15 -21	21-26	26-33	33-44	15-21	21-26	26-33	33-44
Flue options	Conventional flue, low-level, high-level and vertical balanced flue							
Conventional flue size (mm)		100		100		100		100
ErP rating		A		A		A		A
Height (mm)		865		1155		865		1155
Depth (mm)		600		872		600		872
Width (mm)		413		595		413		595
Service access	Front				Front			
Condensate trap	Factory fitted				Factory fitted			
Hot water flow rate (L/min)	n/a				n/a			

MODEL	SYSTEM			COMBI		
	US70HE	US90HE	US120HE	UC70HEE	UC90HEE	UC120HEE
Output (kw)	15 -21	21-26	26-33	15-21	21-26	26-33
Flue options	Conventional flue, low-level, high-level and vertical balanced flue					
Conventional flue size (mm)		100			100	
ErP rating		A			A	
Height (mm)		865			865	
Depth (mm)		600			600	
Width (mm)		413			595	
Service access	Front			Front		
Condensate trap	Factory fitted			Factory fitted		
Hot water flow rate (L/min)		n/a		18	24	24

Ease of installation

Warmflow takes pride in being a company with a reputation for producing quality products that are easy to install and maintain. Our HE range, incorporating a unique, patented, easy clean, front servicing secondary heat exchanger, fits nicely with this philosophy.

All HE boilers are suitable for use with conventional flues or low-level, high-level or vertical balanced flues using the HE 'Easy-fit' balanced flue system.



An optional 7 day digital plug-in programmer is available for all Warmflow Utility boilers.

See page 15 for details.

See page 16 for details.



Pre-Wired

U70HE / U90HE /
U120HE /
U150HE

The Warmflow High Efficiency Condensing Utility (UHE) Series has been specifically designed to fit into kitchen and utility room installations.



Pre-Pumped

UP70HE / UP90HE /
UP120HE /
UP150HE

Utility Pumped Boilers (UPHE) are supplied with a pre-wired, factory-fitted burner, thermostat and circulating pump.



System

US70HE / US90HE /
US120HE

Utility System Boilers (USHE) are supplied as a kit, consisting of a Utility Pumped Boiler (UPHE) and a System Kit.



Combi

UC70HEE / UC90HEE /
UC120HEE

Utility Combi boilers (UCHEE) are the UK & Ireland's only **AA rated combination oil boiler.



K-Series

Introducing the perfect choice in high efficiency outdoor oil-fired boilers.

- ✓ Available in outputs from 15kW to 44kW
- ✓ High quality anthracite grey coating
- ✓ Suitable for outdoor installation
- ✓ IP45 Rating

K-Series

For those occasions when internal space is limited, external boilers offer total flexibility and are designed to be simple and quick to install. These totally self-contained units are supplied in a protective, pre-coated, fully insulated, anthracite grey casing approved to IP45 rating.

Unique features and benefits

HE boilers are suitable for use on most types of fully pumped heating and hot water systems and are ideal for systems that have been designed to operate with a low return water temperature i.e. under floor heating.

An environmental investment

Designed to be environmentally friendly, Warmflow HE boilers are highly efficient in operation and are ErP 'A' rated. Combining economical operation with a comprehensive 7 year warranty makes Warmflow the perfect choice for oil-fired heating.

All boilers are compatible with bio fuel however they must be commissioned on site and the flexible fuel line(s), nozzle and fuel filter replaced. Please contact Warmflow for further details.



Specifications

MODEL	PRE-WIRED				PRE-PUMPED			
	K70HE	K90HE	K120HE	K150HE	KP70HE	KP90HE	KP120HE	KP150HE
Output (kw)	15 -21	21-26	26-33	33-44	15-21	21-26	26-33	33-44
Flue options	Left, right or rear low-level conventional flue, optional top outlet							
Conventional flue size (mm)	n/a		n/a		n/a		n/a	
ErP rating	A		A		A		A	
Height (mm)	900		1155		900		1155	
Depth (mm)	700		876		700		876	
Width (mm)	413		595		413		595	
Service access	Front				Front			
Condensate trap	Factory fitted				Factory fitted			
Hot water flow rate (L/min)	n/a				n/a			

MODEL	SYSTEM			COMBI		
	KS70HE	KS90HE	KS120HE	KC70HEE	KC90HEE	KC120HEE
Output (kw)	15 -21	21-26	26-33	15-21	21-26	26-33
Flue options	Left, right or rear low-level conventional flue, optional top outlet					
Conventional flue size (mm)	n/a			n/a		
ErP rating	AA			AA		
Height (mm)	900			900		
Depth (mm)	700			700		
Width (mm)	413			600		
Service access	Front			Front / Top		
Condensate trap	Factory fitted			Factory fitted		
Hot water flow rate (L/min)	n/a			18	24	24

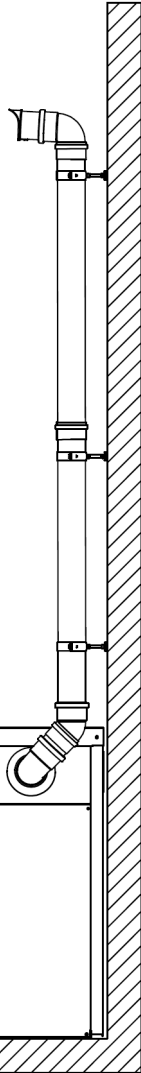
Frost thermostat

A frost thermostat is fitted as standard to all Kabin-Pak combi models. For all other Kabin-Pak models a frost thermostat kit, incorporating an isolating switch, servicing function and clipped pipe stat is supplied as an option.

Multi-directional flue

The Kabin-Pak Boilers (KHE) are supplied with a multi-directional low-level flue and can be positioned to exhaust from the back, left or right hand side of the casing.

Kabin-Pak Plume Management Kit
See page 18 for details.



Pre-Wired

K70HE / K90HE /
K120HE /
K150HE

The Warmflow High Efficiency Condensing Kabin-Pak (KHE) Series has been specifically designed for outdoor installation.



Pre-Pumped

KP70HE / KP90HE /
KP120HE /
KP150HE

Kabin-Pak Pumped Boilers (KPHE) are supplied with a pre-wired, factory-fitted burner, thermostat and circulating pump.



System

KS70HE / KS90HE /
KS120HE

Kabin-Pak System Boilers (KSHE) are supplied as a kit, consisting of a Kabin-Pak Pumped Boiler (KPHE) and a System Kit.



Combi

KC70HEE / KC90HEE /
KC120HEE

Kabin-Pak Combi boilers (KCHEE) are the UK & Ireland's only **AA rated combination oil boiler.





B-Series

Specifically designed for boiler house and garage applications.

- ✓ Available in outputs from 15kW to 33kW
- ✓ Finished in blue leather-grain casing
- ✓ Compact & robust
- ✓ Front servicing

B-Series

The Boilerhouse HE range has been specifically designed for boiler house and garage applications and is suitable for indoor installation.

Its blue casing houses a highly efficient heat exchanger that can be easily accessed for servicing. The latest in Riello burner technology makes the Boilerhouse range quiet in operation and the perfect choice in oil-fired boilers.

All HE Boilerhouse models are fully factory wired with burner and thermostat and are supplied with a factory fitted condensate trap as standard. The appliance has flow and return connections off the top for ease of plumbing.



All boilers are compatible with bio fuel however they must be commissioned on site and the flexible fuel line(s), nozzle and fuel filter replaced. Please contact Warmflow for further details.



Good to know

The Boilerhouse Boilers (BHE) are supplied with a pre-wired, factory-fitted burner and thermostat. Only one IE320 mains socket (supplied) needs to be wired on site.

An environmental investment

Designed to be environmentally friendly, Warmflow HE boilers are highly efficient in operation and are ErP 'A' rated. Combining economical operation with a comprehensive 7 year warranty makes Warmflow the perfect choice for oil-fired heating.

Specifications

MODEL	PRE-WIRED		
	B7OHE	B9OHE	B12OHE
Output (kw)	15 -21	21-26	26-33
Flue options	Conventional flue, low-level, high-level & vertical balanced flue		
Conventional flue size (mm)	100mm		
ErP rating	A		
Height (mm)	685		
Depth (mm)	600		
Width (mm)	395		
Service access	Front		
Condensate trap	Factory fitted		

Accessories

The PC1 combi programmer provides a quick and easy option for time control of the heating and hot water functions of the Warmflow combi boiler.

The PC1 multifunction 7-day timer mounts neatly into the combi control panel in place of the selector switches and can be installed in minutes thanks to the easy click-in frame and push-fit connections.

The PU1 programmer provides all the functionality of the PC1 but for use with a non-combi model.

The 'plug & play' PU1 unit comes complete with trailing leads for quick connection of the power supply, boiler thermostat and pump and is supplied with its own enclosure that fits easily into the corner of the Utility casing.



Warmflow PC1 / PU1 programmer

The KFA Kabin-Pak flue adapter is a replacement casing lid for installations where a vertical conventional flue is required externally to exhaust the flue gasses above eaves level.

Available in 3 sizes to suit all Kabin-Pak models up to 150HE the KFA features a top-outlet flue hole with sealed flashing ring for use with a suitable flue storm collar (not supplied).



Accesories

- PC1 combi programmer
- PU1 programmer
- KFA1 conventional flue adapter (K- & KP- 70, 90 & 120 models)
- KFA2 conventional flue adapter (KC- combi models)
- KFA3 conventional flue adapter (K- & KP- 150HE models)

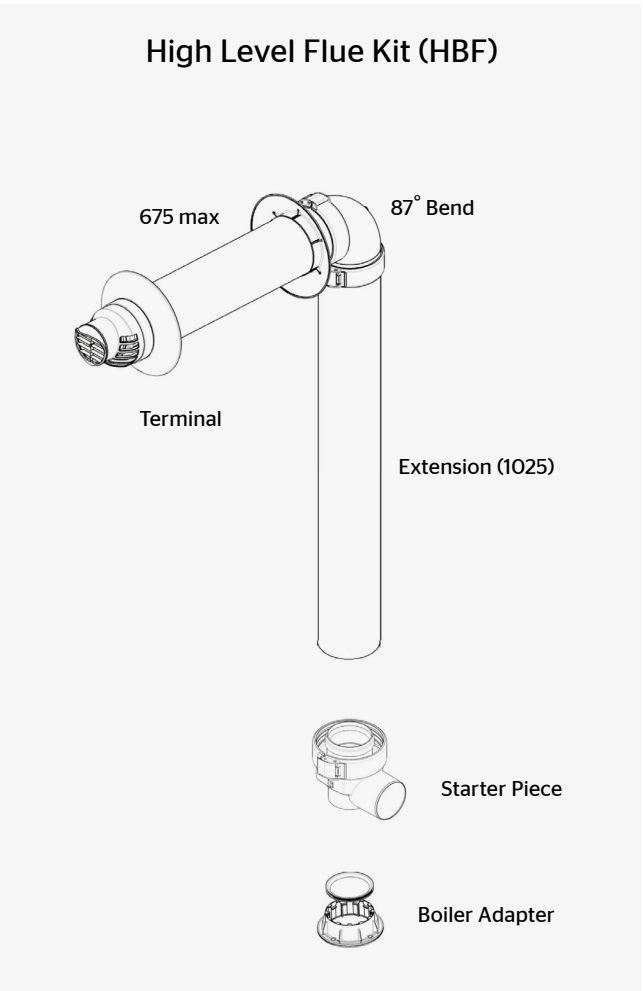
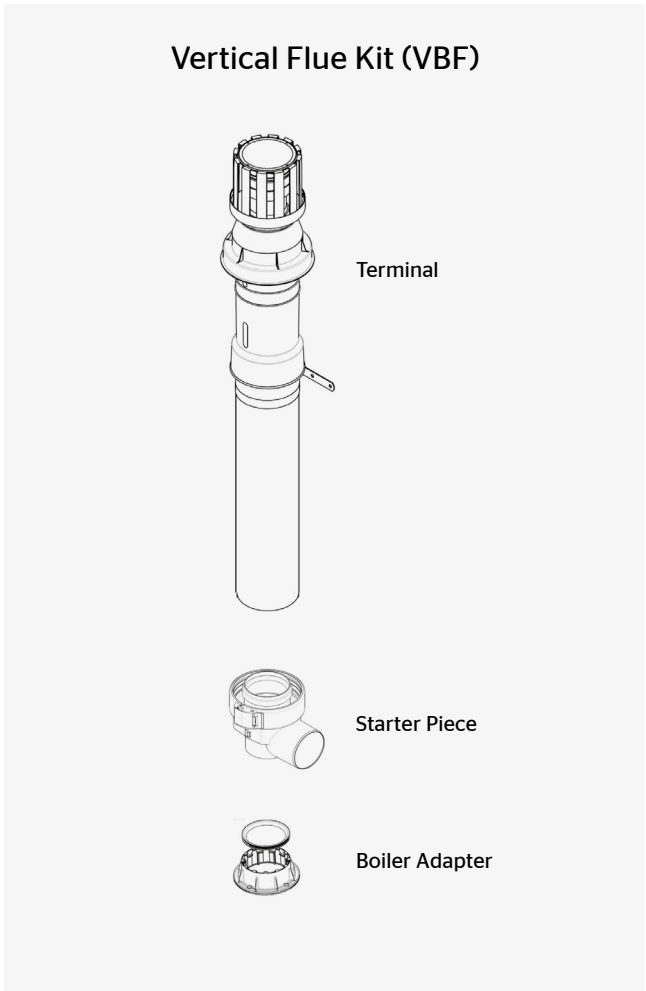
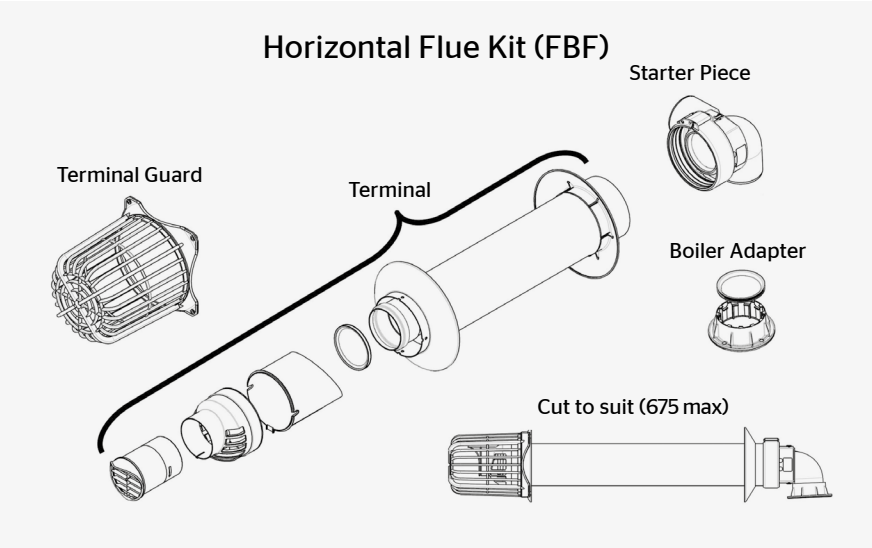
HE Flue Kit Accessories

The ‘Easy-fit’ plastic flue systems have been specifically designed for use on high efficiency condensing oil-fired boilers.

The locking clamp arrangement provides for superior rigidity and security compared with a traditional push-fit arrangement. Because the flue system is plastic, all extension & terminal sections can be easily cut to length as required.

All HE flue kits include:

- Boiler adapter & starter piece
- End terminal
- Flue fittings kit
- Flue thermostat
- Thermal guard (FBF)
- 1000mm extension (HBF)
- 87° bend (HBF)



Calculating the total equivalent flue length

- 1 Decide on the boiler output.
- 2 Decide on the type of flue system required.
- 3 Decide if you need any flue bends.
- 4 Add 1m for every 87° bend and 0.5m for every 45° bend to the actual length of the flue system.
- 5 When using flue bends IT IS IMPORTANT to ensure that you do not exceed the total equivalent flue length (see table below).

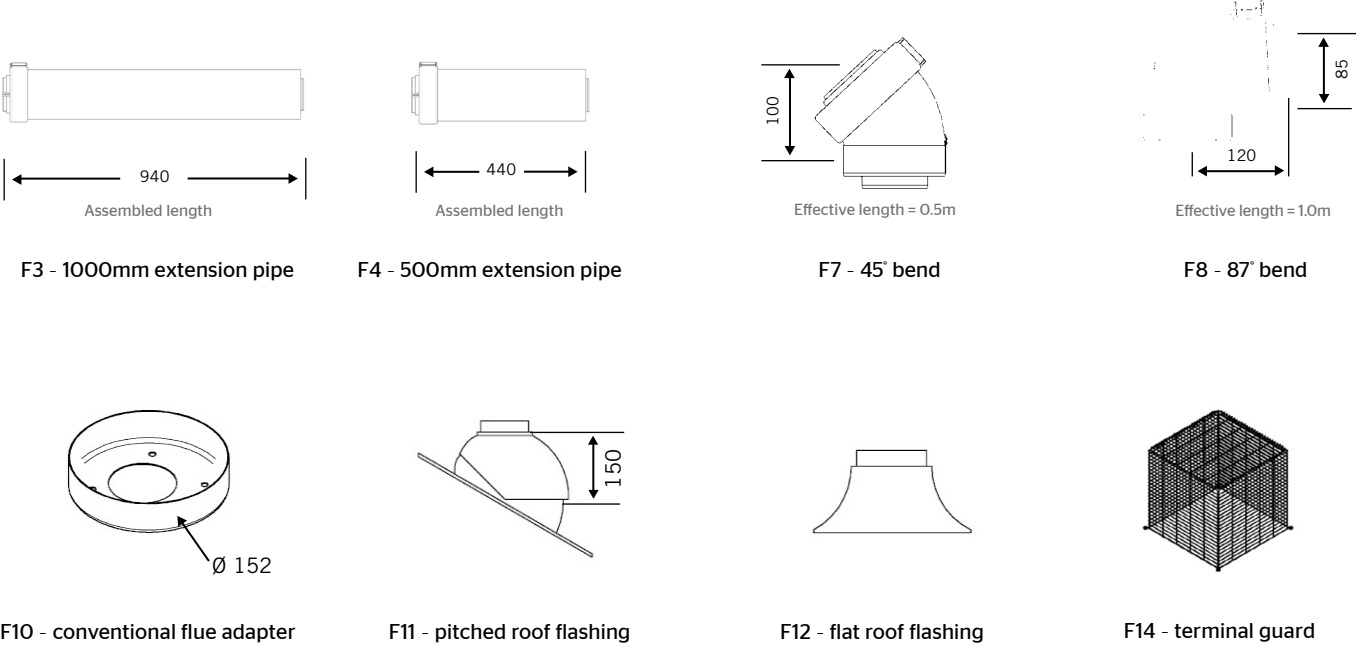
BOILER OUTPUT (kW)	TOTAL EQUIVALENT FLUE LENGTH (M)	
	Vertical balanced flue	high/low-level balanced flue
21	8.0	5.0
26	8.0	5.0
30	6.0	3.5
33	4.0	2.5
44	4.0	2.5

Example

Boiler output (20kW), Length of flue, 8 Metres

NO BENDS FITTED		2 x 45° BENDS FITTED	
Length of vertical flue	8 metres	Length of vertical flue	8 metres
0 x Bends	0 metres	2 x 45° Bends	1 metre
Equivalent length	8 metres	Equivalent length	9 metres
Equivalent length within the maximum allowed.		Equivalent length exceeds the maximum allowed.	
INSTALLATION ACCEPTABLE		INSTALLATION NOT ACCEPTABLE	

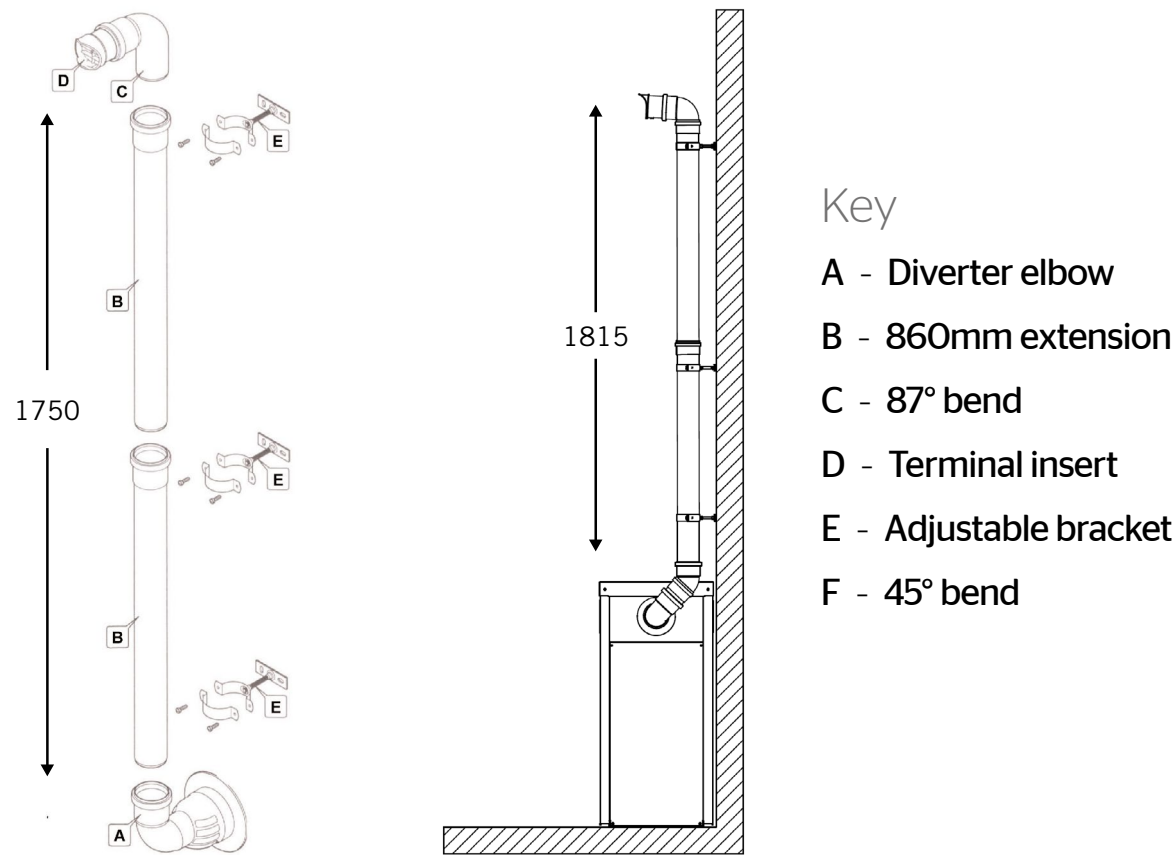
HE Flue Kit Accessories



Flue Kit Accessories

Plume Management Kits

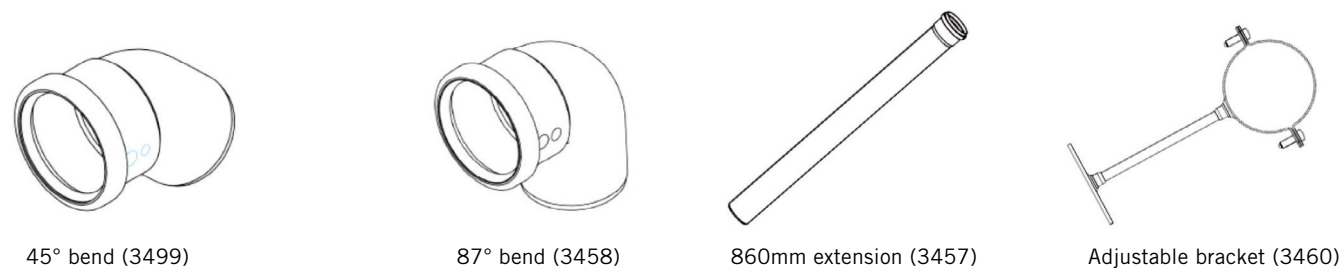
In instances where discharging flue gasses at low level may cause a problem, such as in a small courtyard or narrow passageway, a Plume Management Kit may provide a useful addition to a standard low-level flue. The kit comprises of extensions and bends in 80mm black UV-stabilised polypropylene and include adjustable mounting brackets. Plume Management Kits are suitable for all HE models up to 150HE (see notes).



Note: FBF kit also required
Utility Plume Management Kit (U-Pmk)

Kabin-Pak Plume Management Kit
(K-Pmk)

The following components are available separately



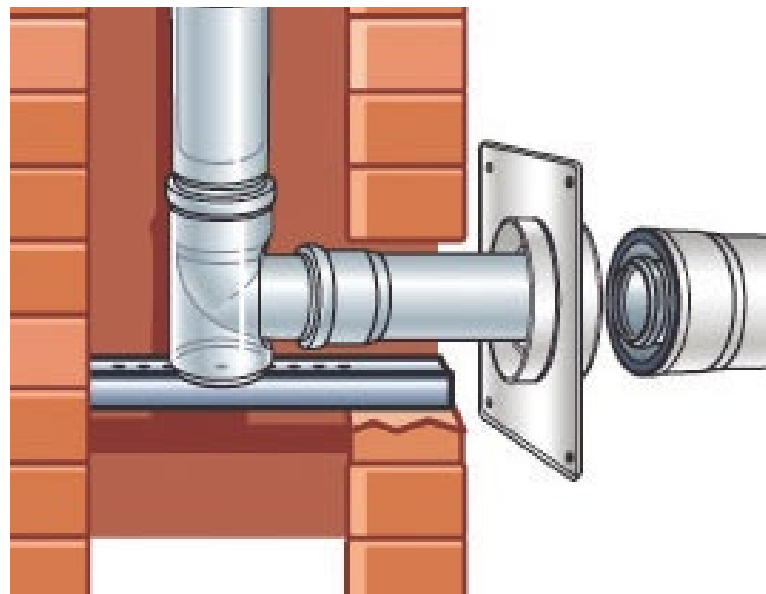
Note:
1. The Utility Plume Management Kit (U-PMK) is designed to extend an FBF flue kit. Both an FBF and U-PMK are required to assemble the complete flue.

Flexi Liner Kits

When connecting a condensing boiler to an existing chimney, a flue liner must be used. Warmflow's flexible flue liners are designed for ease of installation and, because they use the chimney for the supply of combustion air, providing a room-sealed installation - no separate combustion air supply is needed.

Four kits are available in a choice of either 6 metre or 10 metre flexible sections with either vertical or horizontal entry options. The connection between the boiler and chimney is made using Warmflow's HE plastic flue system, so both the flexible liner within the chimney and rigid flue connecting the boiler can easily be cut to length as required.

Flexi Liner Kits are suitable for all indoor HE models up to 90HE. For outputs in excess of 90HE, please consult our Customer Care Centre.



All 4 kits include:

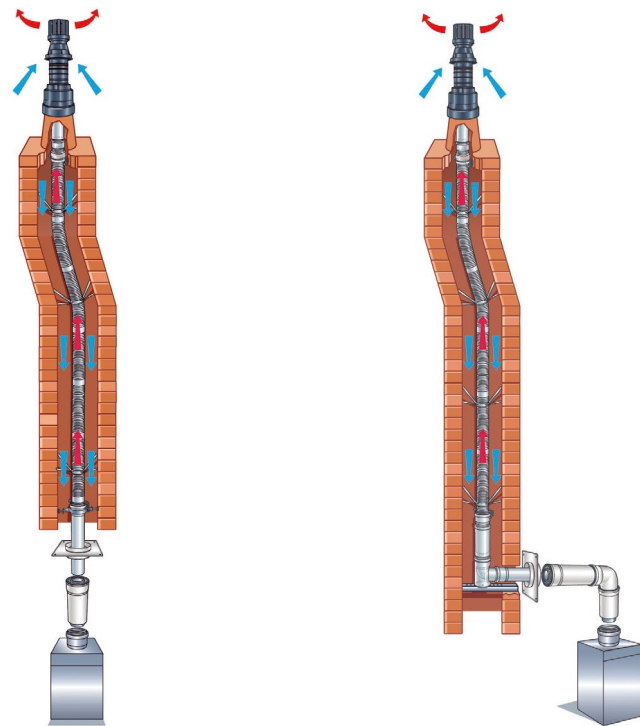
- boiler adapter
- vertical starter piece
- flue fittings kit
- flue thermostat
- chimney closure plate
- terminal section
- flexible liner
- liner spacers & couplings

Vertical entry kits also include:

- 1 x 0.5 metre balanced flue extension

Horizontal entry kits also include:

- 2 x 0.5 metre balanced flue extensions
- 1 x 87° balanced flue bend
- 1 x 87° liner support elbow



Vertical Entry Kit
VFL6 = 6m vertical entry kit
VFL10 = 10m vertical entry kit

Horizontal Entry Kit
HFL6 = 6m horizontal entry kit
HFL10 = 10m horizontal entry kit

HE Models

MODEL	OUTPUT (KW)	FLUE OPTIONS	C/F SIZE (MM)	ERP RATING	HEIGHT (MM)	DEPTH (MM)	WIDTH (MM)	CONNECTIONS		SERVICE ACCESS	OPTIONAL PROGRAMMER	DHW FLOW (L/MIN)
								FLOW	RETURN			

UTILITY HE SERIES

PRE-WIRED												
U70HE	15-21	C/F, low / high / vertical B/F	100	A	865	600	413	28mm Comp	1" BSP	front	PU1	n/a
U90HE	21-26	C/F, low / high / vertical B/F	100	A	865	600	413	28mm Comp	1" BSP	front	PU1	n/a
U120HE	26-33	C/F, low / high / vertical B/F	100	A	865	600	413	28mm Comp	1" BSP	front	PU1	n/a
U150HE	33-44	C/F, low / high / vertical B/F	100	A	1155	872	595	1¼" BSP	1¼" BSP	front	PU1	n/a

PRE-PUMPED												
UP70HE	15-21	C/F, low / high / vertical B/F	100	A	865	600	413	22mm	1" BSP	front	PU1	n/a
UP90HE	21-26	C/F, low / high / vertical B/F	100	A	865	600	413	22mm	1" BSP	front	PU1	n/a
UP120HE	26-33	C/F, low / high / vertical B/F	100	A	865	600	413	28mm Comp	1" BSP	front	PU1	n/a
UP150HE	33-44	C/F, low / high / vertical B/F	100	A	1155	872	595	28mm	1¼" BSP	front	PU1	n/a

SYSTEM												
US70HE	15-21	C/F, low / high / vertical B/F	100	A	865	600	413	22mm	1" BSP	front	PU1	n/a
US90HE	21-26	C/F, low / high / vertical B/F	100	A	865	600	413	22mm	1" BSP	front	PU1	n/a
US120HE	26-33	C/F, low / high / vertical B/F	100	A	865	600	413	28mm Comp	1" BSP	front	PU1	n/a

COMBI												
UC70HEE	15-21	C/F, low / high / vertical B/F	100	AA	865	600	595	22mm	1" BSP	front/top	PC1	18
UC90HEE	21-26	C/F, low / high / vertical B/F	100	AA	865	600	595	22mm	1" BSP	front/top	PC1	24
UC120HEE	26-33	C/F, low / high / vertical B/F	100	AA	865	600	595	28mm Comp	1" BSP	front/top	PC1	24

KABIN-PAK HE SERIES

PRE-WIRED												
K70HE	15-21	L, R or rear. Optional top	n/a	A	900	700	413	28mm Comp	1" BSP	front	n/a	n/a
K90HE	21-26	L, R or rear. Optional top	n/a	A	900	700	413	28mm Comp	1" BSP	front	n/a	n/a
K120HE	26-33	L, R or rear. Optional top	n/a	A	900	700	413	28mm Comp	1" BSP	front	n/a	n/a
K150HE	35-44	L, R or rear. Optional top	n/a	A	1155	876	595	1¼" BSP	1¼" BSP	front	n/a	n/a

PRE-PUMPED												
KP70HE	15-21	L, R or rear. Optional top	n/a	A	900	700	413	22mm	1" BSP	front	n/a	n/a
KP90HE	21-26	L, R or rear. Optional top	n/a	A	900	700	413	22mm	1" BSP	front	n/a	n/a
KP120HE	26-33	L, R or rear. Optional top	n/a	A	900	700	413	28mm Comp	1" BSP	front	n/a	n/a
KP150HE	35-44	L, R or rear. Optional top	n/a	A	1155	876	595	28mm	1¼" BSP	front	n/a	n/a

SYSTEM												
KS70HE	15-21	L, R or rear. Optional top	n/a	A	900	700	413	22mm	1" BSP	front	n/a	n/a
KS90HE	21-26	L, R or rear. Optional top	n/a	A	900	700	413	22mm	1" BSP	front	n/a	n/a
KS120HE	26-33	L, R or rear. Optional top	n/a	A	900	700	413	28mm Comp	1" BSP	front	n/a	n/a

COMBI												
KC70HEE	15-21	L, R or rear. Optional top	n/a	AA	900	700	600	22mm	1" BSP	front/top	PC1	18
KC90HEE	21-26	L, R or rear. Optional top	n/a	AA	900	700	600	22mm	1" BSP	front/top	PC1	24
KC120HEE	26-33	L, R or rear. Optional top	n/a	AA	900	700	600	28mm Comp	1" BSP	front/top	PC1	24

BOILERHOUSE HE SERIES

PRE-WIRED												
B70HE	15-21	C/F, low / high / vertical B/F	100	A	685	600	395	1" BSP	1" BSP	front	n/a	n/a
B90HE	21-26	C/F, low / high / vertical B/F	100	A	685	600	395	1" BSP	1" BSP	front	n/a	n/a
B120HE	26-33	C/F, low / high / vertical B/F	100	A	685	600	395	1" BSP	1" BSP	front	n/a	n/a

All boilers are compatible with bio fuel however they must be commissioned on site and the flexible fuel line(s), Nozzle and fuel filter replaced. Please contact Warmflow for further details.

ErP Rating

The ErP Rating

The ErP (Energy related Products) Rating is a new requirement set by the European Union which resulted from many years of negotiation between European Members States and the EU Commission.

It is designed to drive improvements in the efficiency and performance of heating and hot water products. ErP rated products must be manufactured and tested to strict performance standards and energy efficiency information must be made available to aid the selection of product. It will ensure homeowners are aware of the efficiency level of their products which is clearly displayed on the energy label. The ErP rating introduces new efficiency classes from A++ to G.

When your heating appliance is combined with another product, e.g. heating controls, then a Package label will be produced. The package label will provide the combined energy efficiency rating of the whole system rather than ratings of each individual component.

The person who puts the package together is responsible for producing a package label.

How we can help?

Our website has a special ErP section where you can access information and download product labels and fiche.

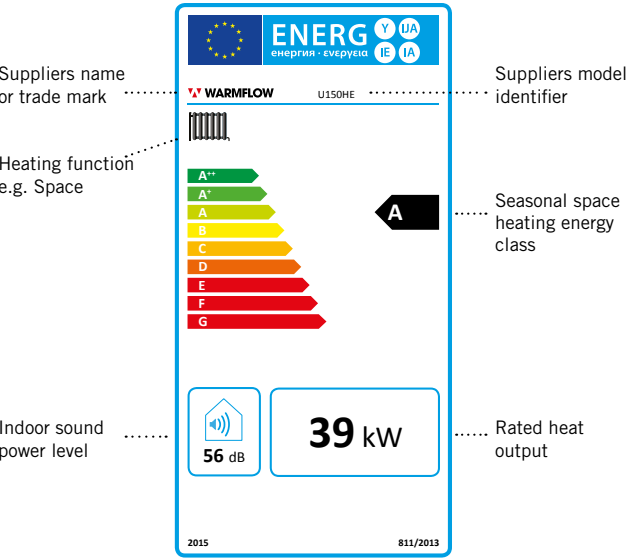
www.warmflow.co.uk/erp

Our products are ErP compliant and include the fitting of high efficiency circulating pumps where applicable



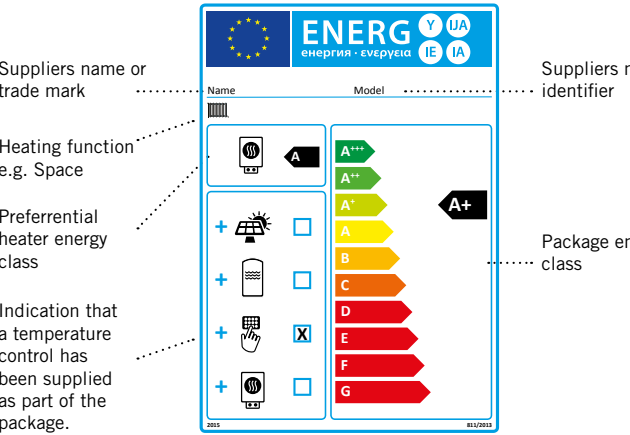
www.warmflow.co.uk/erp

Product label



Supplied by the product manufacturer, the label indicates the energy class of the heat generator, together with additional information as required for the technology. This label shows a simple space heater product label.

Package label



Supplied by the 'Installer' to the end user, the package label indicates the energy class of the package as a result of combining the individual products. This label shows a package of a boiler and temperature control.

WARMFLOW PROFESSIONAL

A boiler that gives you much more



Teddington fire valve
with 9m capillary



Oil line installation kit
including a Crossland
oil filter



Factory fitted ADEY
Magnaclean pro 2 filter



Pre Wired Grundfos UPS
2 Circulating Pump.

5

YEAR WARRANTY
PARTS & LABOUR

- ✓ Improved Condensate
Drain Installation Kit.
- ✓ 5 year parts & labour
warranty

- ✓ 3 Bar Pressure Relief
Valve
- ✓ Automatic Air Vents
Fitted To Flow & Return

Total peace of mind with our dedicated Customer Service team.

A dedicated & knowledgeable customer service team is on hand to provide expert pre, during and post-sales support to ensure your queries are addressed in a timely fashion and your customers have peace of mind.

In addition to our standard 5 year warranty on the heat exchanger we offer customers the opportunity to upgrade the warranty for their product to a maximum of 7 years. Details of how to extend the warranty can be found at www.warmflow.co.uk.

With distribution & sales hubs in Telford, Great Britain & Lisburn, Northern Ireland, we distribute products throughout the UK & Ireland on a daily basis and our dedicated, nationwide sales force are on hand to respond to queries or assist with product display mornings, point of sale displays or product training at our training centres in Lisburn and Telford.



QUALITY DESIGN. BUILT-IN RELIABILITY.



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CERT No. FM29884



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