

**THE SMART CHOICE
FOR HEATING AND HOT WATER**



RANGE

**YEARS OF QUALITY,
INNOVATION AND ECONOMY**

**THE RIGHT
HEATING
SOLUTION
FOR YOUR
HOME**

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**INNOVATION
PROVEN
OVER TIME**

INTERGAS HEADQUARTERS, THE NETHERLANDS



INTERGAS®
HEATING SOLUTIONS



THE GREENER CHOICE FOR HEATING AND HOT WATER

For over 50 years we've been pioneers in home-heating design and, in 1989, developed the ultimate condensing boiler. So simple yet advanced, it remains at the cutting edge of boiler technology today. And it's all thanks to our heat exchanger, which enables our boilers to condense virtually all the time, resulting in lower energy consumption and carbon emissions.

Recognising the need to address climate concerns, we have taken proactive measures to significantly reduce emissions and minimise gas consumption. Our revolutionary hybrid technology represents a ground-breaking solution, seamlessly integrating innovation and performance. By embracing this cutting-edge approach, we empower you to take immediate action in contributing to a greener future. Join us in making a positive impact on the environment while enjoying the benefits of enhanced energy efficiency. At Intergas, whatever we create, or the direction we take, we're putting our energy into saving yours.

**GROUND BREAKING
TECHNOLOGY,
INTELLIGENT
DESIGN.**



**BITHERMIC
HEAT
EXCHANGER**

BUILT TO LAST, GUARANTEED TO DELIVER

Is anything built to last these days? Our heat exchanger is. Made of aluminium and copper, it's as reliable as they come. So reliable that they come with up to a 10-year warranty*. It's also unique; instead of having two separate heat exchangers, like the majority of competitors, ours is bithermic and with its greater surface area it enhances the boiler's ability to condense for longer. In fact, our combination boiler condenses virtually 100% of the time while it's producing hot water, and that's an energy-saving feature that's hard to beat.

* Warranties subject to terms and conditions of each boiler model.



SOPHISTICATED SIMPLICITY

XCLUSIVE

INTERGAS



RELY ON LESS FOR MORE

Did you know that a faulty diverter valve is one of the top causes of boiler breakdowns? Our combination (combi) boiler doesn't have a diverter valve; it doesn't have a valve motor, auto-air vent or secondary hot water plate heat exchanger either and, with fewer parts, there's less to go wrong. Simplicity has been at the core of our design philosophy for over 30 years, which is why our boilers are renowned for their reliability.



OpenTherm®

CLEVER THINKING

No matter how efficient a boiler is, it can be improved with the addition of OpenTherm controls. OpenTherm is a protocol that allows communication between the room thermostat and boiler, which means you have more control over your heating system. Not only is output precisely controlled, wear and tear on the boiler is reduced, increasing longevity, lowering your fuel bill and giving you even more control over your heating system. All Intergas boilers are OpenTherm compatible.

NEVER LEAVES YOU COLD

No one wants to be without hot water, but if the pump in the boiler fails, you will be, unless you have an Intergas combi. All our combis have a separate circuit for direct hot water so, should the pump stop working, you'll still have hot water.

energy saving trust

The Energy Saving Trust (EST) is an independent organisation committed to helping all of us save energy and lower emissions. It empowers millions of householders every year to make better energy choices. The EST endorses our best-selling HRE and Eco RF boiler ranges.



BETTER FOR THE PLANET



FUTUREPROOF, FLEXIBLE BOILER

We believe life is for living and create energy-saving home-heating solutions to suit you, your family and your changing lifestyle. We all know that one size doesn't fit all, so we design our gas boilers to be both very simple and very smart! As children grow taller, families get bigger and bathrooms are added, you won't have to change your boiler if it's from Intergas. Your installer can simply change its parameter settings, and you avoid the unnecessary expense of buying and installing a new one.

Flexible and futureproof, an Intergas boiler will be an investment for years to come.

**LOWEST
NOX
LEVELS
ON THE
MARKET**

* Between 17-06-20.33mg/kWh depending on the model.

We all have our part to play in protecting our planet and one of the best things we can do is ensure that our home's insulation is up to standard. This will not only avoid wasting energy, it will also lower carbon emissions. But it's not only carbon emissions that are harmful, so too are emissions of nitrogen oxides, or NOx, mainly from transport and home heating.

NOx is a pollutant that irritates the airways and can lead to respiratory diseases like asthma. At Intergas we are always exploring new ways of making our boilers cleaner and leaner and have developed a boiler with the lowest NOx emissions on the market. Our Xclusive range of boilers, launched in 2017, has the lowest NOx emissions* of any boiler on the market.

MAKE A DIFFERENCE TO COMBAT CLIMATE CHANGE



At Intergas, we believe it's our duty to help cut carbon emissions by reducing our reliance on fossil fuels and contributing to a healthier, safer world in which we can all live, work and play.



We're all doing what we can to combat the effects of man-made climate change but, if we are to meet the Government's net zero carbon target by 2050, we need to make some fundamental changes to how we heat our homes. Why? Because 78% of UK homes use gas boilers which are responsible for 14% of all carbon emissions in this country. If we all used a little less gas, we could start making a real difference to our environment.

The sustainable heating system that cuts gas consumption by up to **82.5%**

At Intergas we've made that start. We've designed a hybrid heating system called Xtend that cuts gas consumption by up to 82.5%. It's a 'hybrid' because it combines two technologies: a gas combi boiler and an air source heat pump (ASHP). These appliances work together to generate low carbon heat and hot water for the home.



Hybrid heating systems are suitable for a diverse range of properties and deliver immediate carbon savings.



HYBRIDS MAKE PERFECT SENSE

The combi provides the hot water and the heat pump heats the rooms. A heat pump is ideal for well-insulated properties but, as the majority of UK homes aren't, it only operates effectively for 70-80% of the year. During the colder months, the boiler assists the heat pump, providing the heat as well as the hot water. This means that there's no loss of comfort and the homeowner has heat and hot water when and where they want it.

Cut your gas consumption by up to **82.5%**

PRACTICAL AND ECONOMICAL

The cost of installing a hybrid heating system is significantly lower than that of a stand-alone heat pump as fewer alterations to the home are needed. And providing the boiler is compliant, and has OpenTherm on/off controls, you won't have to invest in a new one.

With a stand-alone heat pump the homeowner will have the expense of installing a separate heat pump cylinder and new radiators. This is because the heat pump's low flow temperatures (typically between 35-50°C) can't heat the water effectively and the radiators need to be upsized to provide a greater surface area to meet the heat demand.

RETROFIT IT!

There's even more good news: if a compliant Intergas ErP combi is already installed at the property, then Xtend - the indoor unit and outdoor unit (ASHP) - can simply be retrofitted to it, substantially reducing the installation time, not to mention the cost.



THE FULL PACKAGE

- Any Intergas (ErP) combi boiler
- Compact indoor unit
- 5kW split outdoor unit (ASHP)
- Gateway & Comfort Touch thermostat
- Intergas system filter
- Fernox chemicals



CHOOSING THE RIGHT BOILER

There are three kinds of boiler: combi, system and heat-only (sometimes called a 'regular' or 'open-vent') boiler. More combis are installed in the UK than any other kind, but that doesn't mean it's the right choice for every home. The size of your property, the number of radiators and bathrooms and what you and your family need from your heating and hot water system, must all be taken into account. Your installer will be able to advise you on which boiler is right for you, as will our team on the Intergas Helpdesk. Here's an outline of the benefits of each boiler type.



COMBI



Combination Boiler

A combi combines a high-efficiency water heater with a central heating boiler in a single compact unit. As hot water is supplied directly from the boiler, there's no need for a hot water cylinder in the airing cupboard or loft, making it the ideal solution for a home with limited space. And, as combis only heat the water as you need it, it's an economical way of enjoying a constant supply of hot water.

SYSTEM



HRE SB



BOILER

CYLINDER

System Boiler

A system boiler is a heat-only boiler that has a built-in pump and expansion vessel. This boiler is usually specified for larger homes with multiple bathrooms and is often used with an unvented hot water cylinder to facilitate the higher demands.

OPEN VENT



HRE OV



BOILER

CYLINDER



FEED TANK

Heat-only Boiler

An open-vent boiler is a heat-only boiler that has no integral pump or expansion vessel. It is specifically designed for the replacement market, where a header tank is used. This boiler is usually specified for larger homes with multiple bathrooms and is used with an open-vented hot water cylinder and cold feed water tank.

XTREME

A NEW LEVEL OF EFFICIENCY



INNOVATIVE & PIONEERING



Xtreme is our smartest smart boiler! Not only does it boast all the features of the Xclusive (see page 24), it raises energy efficiency to a whole new level thanks to its built-in passive flue gas heat recovery (PFGHR) unit. PFGHR reclaims more heat from waste gases than conventional condensing boilers, which means less energy is needed to produce hot water for the home, reducing both gas bills and carbon emissions. Like the Xclusive, it also emits the lowest amount of NOx of any boiler on the market today (between 17.06-20.33mg/kWh, depending on the model). And, with a flow rate of between 12- 15 l/m and twin OpenTherm outlets, extreme energy efficiency is guaranteed. Xtreme comes with a 10-year parts and labour warranty.

* Warranties subject to terms and conditions of each boiler model.

XTREME 24 30 36



4 MOVING PARTS



COMFORT TOUCH APP



FAST FLOW RATE



FROST PROTECTION



BITHERMIC HEAT EXCHANGER



10 YEAR WARRANTY



TOUCH SCREEN



HEAT EXCHANGER WARRANTY



CONDENSES VIRTUALLY 100% DURING DHW



LOW NOx EMISSIONS

Controls - see page 48 for more details



GATEWAY



COMFORT TOUCH

2 EXTRA YEARS' WARRANTY

WHEN YOU INSTALL AN INTERGAS FILTER

see page 61 for more details



XTREME

A NEW LEVEL OF EFFICIENCY



Technical features

- > Built-in passive flue gas heat recovery unit
- > OpenTherm ready
- > Up to 1:9 modulation ratio
- > Built-in filling loop
- > Combined PRV & condensate connection
- > Integral expansion vessel
- > Central flue
- > RF module for remote access and control via the service dashboard (with Intergas Gateway)
- > Up to 10m flueing distance or 50m with our twin flue option
- > Built-in programmer
- > Class leading flow rate on the 24kW
- > Exceptional flow rate 12 - 15 l/min
- > Priority domestic hot water (additional set up required)

EFFICIENCY RATINGS



Three-in-One boiler

- > Combi
- > System
- > Multipoint water heater

XTREME

24

30

36

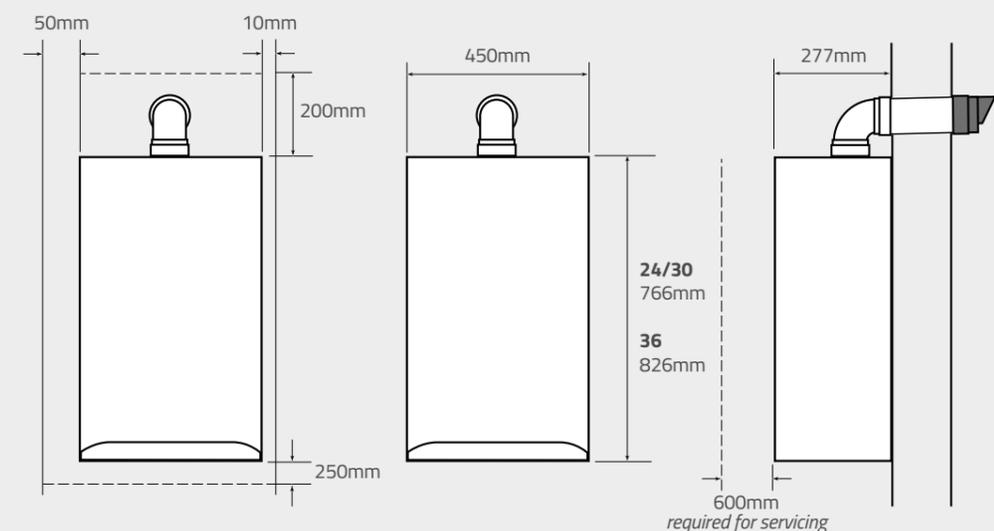
Heating rated output	kW	18	23	27
Safety class	IP	IPX4D	IPX4D	IPX4D
NOx class		6	6	6
NOx level	mg/kWh	17.06	20.33	19.48
Domestic hot water				
Nom. load input rating	kW	3.6 - 25.1	3.6 - 30.5	3.6 - 32.7
Min. DHW flow rate	ltrs/min	1.5	1.5	1.5
ΔT 25°C	ltrs/min	14.5	19	20
ΔT 35°C	ltrs/min	12	13.5	15
Domestic hot water temperature (default)	°C	55	55	55
Load profile		L	XL	XXL
Energy efficiency rating class		A	A	A
Central heating				
Nom. load (upper value)	kW	4.0 - 20.7	4.0 - 26.3	4.0 - 36.6
Nom. load (lower value)*	kW	3.6 - 18.7	3.6 - 23.7	3.6 - 27.0
Nom. output*	kW	4.0 - 18.2	4.0 - 23.1	4.0 - 26.6
Max. central heating water pressure	bar	3	3	3
Max. central heating water temperature	°C	90	90	90
Energy efficiency rating class		A	A	A
Additional data				
Solar compatible		yes	yes	yes
Seasonal heating energy efficiency class		A	A	A
Heat rated output (power)	P rated kW	18	23	27
Seasonal heating energy efficiency	η _s %	93	93	93
Annual energy consumption	Q _{HE} GJ	38	48	58
Sound power level	L _{WA} dB	56	56	58
Maximum load profile		L	XL	XXL
Water heating energy efficiency class		A	A	A
Water heating energy efficiency	η _{WH} %	89	91	93
Annual electricity consumption	A _{EC} kWh	13	13	20
Annual fuel consumption	A _{FC} kWh	3078	4998	4930

* The CH output is factory set to 70% of the maximum capacity.

See page 54 for all flue options.

Technical specifications subject to change.

CLEARANCES & DIMENSIONS



XCLUSIVE
EXCLUSIVELY STYLISH



CUTTING-EDGE ENERGY EFFICIENCY



Our Xclusive boiler is Xclusive by name and exclusive by nature. It retains all the benefits of the original design engineering and is also packed with many energy-saving features. The radio frequency (RF) module, which comes as standard, allows you to manage your central heating remotely when it's paired with our Intergas Gateway and Comfort Touch app. Your installer can also monitor your boiler's performance remotely, using the Intergas Service Dashboard, to ensure optimum efficiency is maintained at all times. The OpenTherm input enables your boiler and room thermostat to communicate intelligently, so the whole heating system reacts faster, using less energy and saving you money. The modulation ratio of up to 1:9 further increases the efficiency of the boiler. On top of all that, there's a 10-year parts and labour warranty too*.

* Warranties subject to terms and conditions of each boiler model.

XCLUSIVE 24 30 36



4 MOVING PARTS



COMFORT TOUCH APP



FAST FLOW RATE



FROST PROTECTION



BITHERMIC HEAT EXCHANGER



10 YEAR WARRANTY



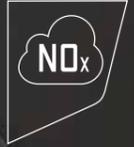
TOUCH SCREEN



HEAT EXCHANGER WARRANTY



CONDENSES VIRTUALLY 100% DURING DHW



LOW NOx EMISSIONS

Controls - see page 48 for more details



GATEWAY



COMFORT TOUCH

2 EXTRA YEARS' WARRANTY

WHEN YOU INSTALL AN INTERGAS FILTER
see page 61 for more details





Technical features

- > OpenTherm ready
- > Up to 1:9 modulation ratio
- > Built-in filling loop
- > Combined PRV & condensate connection
- > Integral expansion vessel
- > Central flue
- > RF module for remote access and control via the service dashboard (with Intergas Gateway)
- > Up to 10m flueing distance or 50m with our twin flue option
- > Easy to service and maintain
- > LPG conversion available
- > Built-in programmer
- > Exceptional flow rate 10-13.5 l/min
- > Priority domestic hot water (additional set up required)

EFFICIENCY RATINGS



Three-in-One boiler

- > Combi
- > System
- > Multipoint water heater

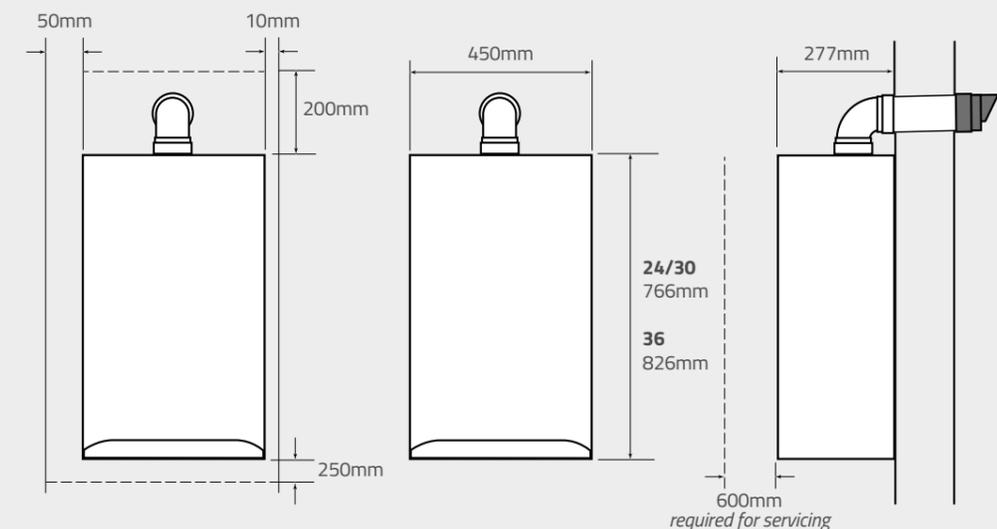
Heating rated output	kW	18	23	27
Safety class	IP	IP44	IP44	IP44
NOx class		6	6	6
NOx level	mg/kWh	17.06	20.33	19.48
Domestic hot water				
Nom. input rating (lower value)*	kW	3.6 - 25.1	3.6 - 30.5	3.6 - 32.7
Min. DHW flow rate	ltrs/min	1.5	1.5	1.5
ΔT 25°C	ltrs/min	14.1	17.1	18.9
ΔT 35°C	ltrs/min	10	12.2	13.5
Domestic hot water temperature (default)	°C	55	55	55
Load profile		L	XL	XL
Energy efficiency rating class		A	A	A
Central heating				
Nom. load (Gross)	kW	4.0 - 20.7	4.0 - 25.6	4.0 - 29.5
Nom. load (Net)*	kW	3.6 - 18.7	3.6 - 23.7	3.6 - 27.0
Rated power*	kW	4.0 - 18.2	4.0 - 23.1	4.0 - 26.6
Max. central heating water pressure	bar	2.5	2.5	2.5
Max. central heating water temperature	°C	80	80	80
Energy efficiency rating class		A	A	A
Additional data				
Solar compatible		yes	yes	yes
Seasonal heating energy efficiency class		A	A	A
Heat rated output (power)	P rated kW	18	23	27
Seasonal heating energy efficiency	ηs %	93	93	93
Annual energy consumption	Q _{HE} GJ	38	48	58
Sound power level	L _{WA} dB	56	56	58
Maximum load profile		L	XL	XL
Water heating energy efficiency class		A	A	A
Water heating energy efficiency	η _{WH} %	85	86	87
Annual electricity consumption	A _{ec} kWh	13	17	15
Annual fuel consumption	A _{fc} kWh	3078	4998	4930

* The CH output is factory set to 70% of the maximum capacity.

See page 54 for all flue options.

Technical specifications subject to change.

CLEARANCES & DIMENSIONS



ECO RF
COMPACT EFFICIENCY



MINIMUM EMISSIONS, MAXIMUM SAVINGS



Compact efficiency

The Eco RF is compact, green and smart. It reduces CO₂ emission levels to an absolute minimum and, with the radio frequency (RF) module, which comes as standard, you can manage your central heating remotely when its paired with our Intergas Gateway and Comfort Touch thermostat and app. Your installer can also monitor your boiler's performance remotely, using the Intergas Service Dashboard, to ensure optimum efficiency is maintained at all times. This boiler is endorsed by the EST and comes with a 10-year parts and labour warranty*.

* Warranties subject to terms and conditions of each boiler model.

ECO RF 24 30 36



4 MOVING PARTS



COMFORT TOUCH APP



FAST FLOW RATE



FROST PROTECTION



WHISPER QUIET



10 YEAR WARRANTY



PIPE COVER



HEAT EXCHANGER WARRANTY



CONDENSES VIRTUALLY 100% DURING DHW



BITHERMIC HEAT EXCHANGER

Controls - see page 48 for more details



GATEWAY



COMFORT TOUCH

2 EXTRA YEARS' WARRANTY
WHEN YOU INSTALL AN INTERGAS FILTER
see page 61 for more details

ECO RF

COMPACT EFFICIENCY



Technical features

- > OpenTherm ready
- > RF module for remote access and control via the Service dashboard (with Intergas Gateway)
- > Up to 10m flueing distance or 50m with our twin flue option
- > Easy to service and maintain
- > LPG conversion available
- > Rear jig with built-in expansion vessel available as an option (jig depth 95mm added to boiler depth)
- > Digital system pressure gauge
- > Priority domestic hot water (additional set up required)

EFFICIENCY RATINGS



Five-in-One boiler

- > Combi
- > Open vent
- > System
- > Open-vent combi
- > Multipoint water heater

ECO RF

24

30

36

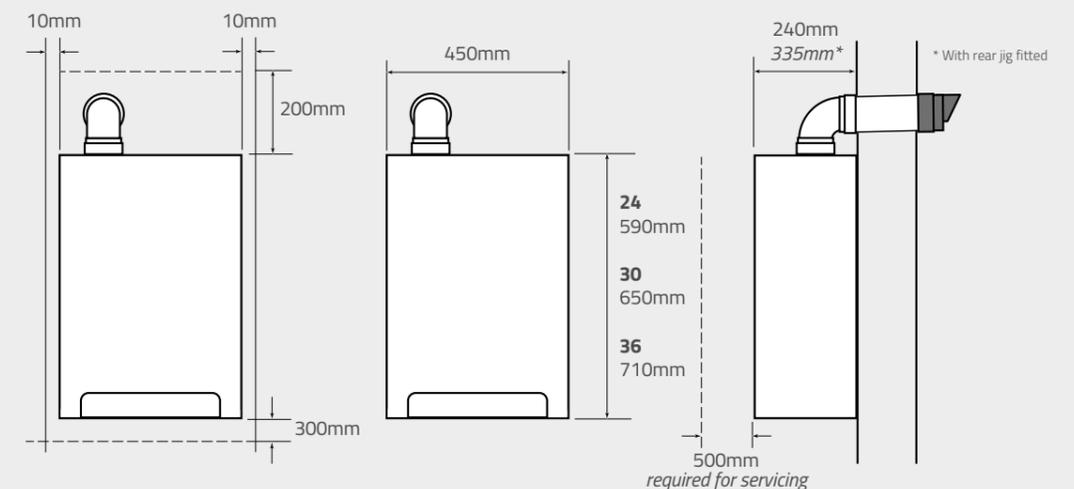
Heating rated output	kW	18	23	27
Safety class	IP	IP44	IP44	IP44
NOx class		6	6	6
NOx level	mg/kWh	28.37	27.37	35.56
Domestic hot water				
Input	kW	5.6 - 22.1	7.1 - 28.0	7.6 - 32.7
Min. DHW flow rate	ltrs/min	1.5	1.5	1.5
ΔT 25°C	ltrs/min	12	15	18
ΔT 35°C	ltrs/min	8.5	10.5	13
DHW temperature (factory setting)	°C	55	55	55
Load profile		L	XL	XL
Energy efficiency class rating		A	A	A
Central heating				
Nom. input rating (lower value)*	kW	5.6 - 18.7	7.1 - 23.7	7.6 - 27.0
Rated power*	kW	6.5 - 18.2	7.7 - 23.1	8.2 - 26.6
Max. central heating water pressure	bar	2.5	2.5	2.5
Max. central heating water temperature	°C	80	80	80
Energy efficiency class rating		A	A	A
Additional data				
Solar compatible		yes	yes	yes
Seasonal heating energy efficiency class		A	A	A
Heat rated output (power)	P rated kW	18	23	27
Seasonal heating energy efficiency	η _s %	93	93	93
Annual energy consumption	Q _{HE} GJ	38	48	55
Sound power level	L _{WA} dB	45	45	50
Maximum load profile		L	XL	XL
Water heating energy efficiency	η _{WH} %	84	87	87
Annual electricity consumption	A _{ec} kWh	13	17	15
Annual fuel consumption	A _{fc} kWh	3056	5000	5000

* The CH output is factory set to 70% of the maximum capacity.

See page 54 for all flue options. Please note, an offset flue should be used if a centralised position is required.

Technical specifications subject to change.

CLEARANCES & DIMENSIONS



HRE RANGE

GIVING YOU MORE SPACE



THE SMART CHOICE ALL ROUND



The HRE range of boilers has been an outstanding favourite with homeowners and installers alike. It's robust, it's compact, it's highly efficient and it's very flexible too. With a simple change to its parameter settings, it can be converted from a combi to a system boiler, open vent, open-vent combi and multipoint water heater. It's endorsed by the EST and comes with a 7-year parts and labour warranty*.

* Warranties subject to terms and conditions of each boiler model.

HRE



4 MOVING PARTS



FROST PROTECTION



PIPE COVER



HIGH EFFICIENCY

CONDENSES VIRTUALLY 100% DURING DHW



7 YEAR WARRANTY



HEAT EXCHANGER WARRANTY



BITHERMIC HEAT EXCHANGER

Controls - see page 48 for more details



COMFORT TOUCH

2 EXTRA YEARS' WARRANTY

WHEN YOU INSTALL AN INTERGAS FILTER
see page 61 for more details



HRE COMBI

GIVING YOU MORE SPACE



Technical features

- > OpenTherm ready
- > Up to 10m flueing distance or 50m with our twin flue option
- > Easy to service and maintain
- > LPG conversion available
- > Up to 40kW output
- > Built-in programmer
- > Rear jig with built-in expansion vessel available as an option (jig depth 95mm added to boiler depth)
- > Digital system pressure gauge
- > Priority domestic hot water (additional set up required)

EFFICIENCY RATINGS



Five-in-One boiler

- > Combi
- > Open vent
- > System
- > Open-vent combi
- > Multipoint water heater

HRE COMBI

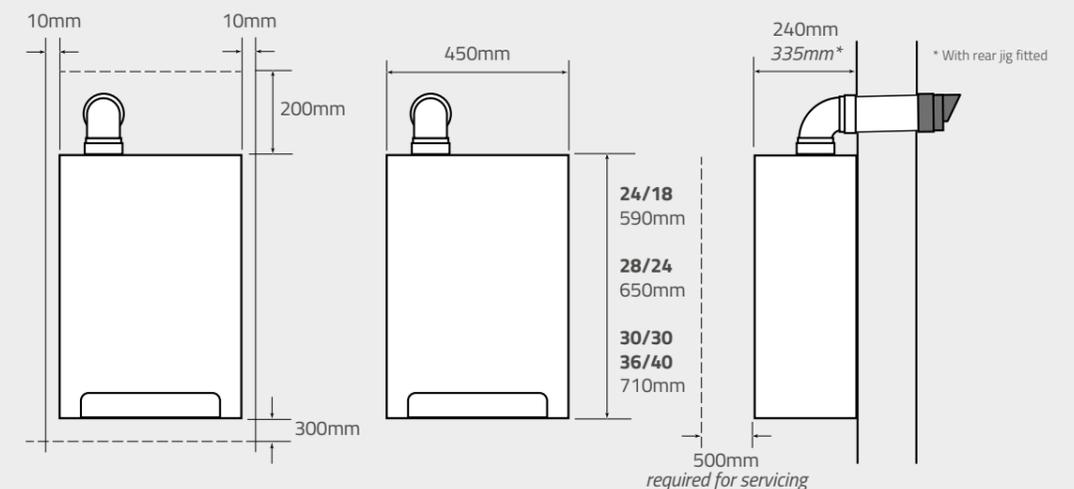
24/18 28/24 36/30 36/40

Rated output		18	23	27	41
Safety class	IP	IP44	IP44	IP44	IP44
NOx class		6	6	6	6
NOx level	mg/kWh	28.37	27.37	35.56	53.44
Domestic hot water					
Input	kW	5.6 - 22.1	7.1 - 28.0	7.6 - 32.7	7.8 - 32.7
Min. DHW flow rate	ltrs/min	1.5	1.5	1.5	1.5
ΔT 25°C	ltrs/min	12	15	18	18
ΔT 35°C	ltrs/min	8.5	10.5	13	13
DHW temperature (default)	°C	55	55	55	55
Load profile		L	XL	XL	XL
Energy efficiency class rating		A	A	A	A
Central heating					
Nom. input rating (lower value)*	kW	5.6 - 18.7	7.1 - 23.7	7.6 - 27.0	7.8 - 42.5
Rated power*	kW	6.1 - 18.2	7.7 - 23.1	8.2 - 26.6	8.3 - 40.9
Max. central heating water pressure	bar	2.5	2.5	2.5	2.5
Max. central heating water temperature	°C	80	80	80	80
Energy efficiency rating class		A	A	A	A
Additional data					
Seasonal heating energy efficiency class		A	A	A	A
Heat rated output (power)	P rated kW	18	23	27	41
Solar compatible		yes	yes	yes	yes
Seasonal heating energy efficiency	η _s %	93	93	93	92
Annual energy consumption	Q _{HE} GJ	38	48	55	86
Sound power level	L _{WA} dB	45	45	50	55
Maximum load profile		L	XL	XL	XL
Water heating energy efficiency	η _{WH} %	84	86	87	87
Annual electricity consumption	A _{ec} kWh	13	17	15	1615
Annual fuel consumption	A _{fc} kWh	3159	4998	4930	4930

* The CH output is factory set to 70% of the maximum capacity.

Intergas has a wide range of vertical and horizontal flues; there is also an offset flue kit available which will ensure the flue is in a centralised position. Technical specifications subject to change.

CLEARANCES & DIMENSIONS



HRE SB

FLEXIBLE HEATING



Technical features

- > OpenTherm ready
- > Up to 10m flueing distance or 50m with our twin flue option
- > Easy to service and maintain
- > LPG conversion available
- > Up to 40kW output
- > Rear jig with built-in expansion vessel available as an option (jig depth 95mm added to boiler depth)
- > Digital system pressure gauge
- > Priority domestic hot water (additional set up required)

EFFICIENCY RATING



HRE SB

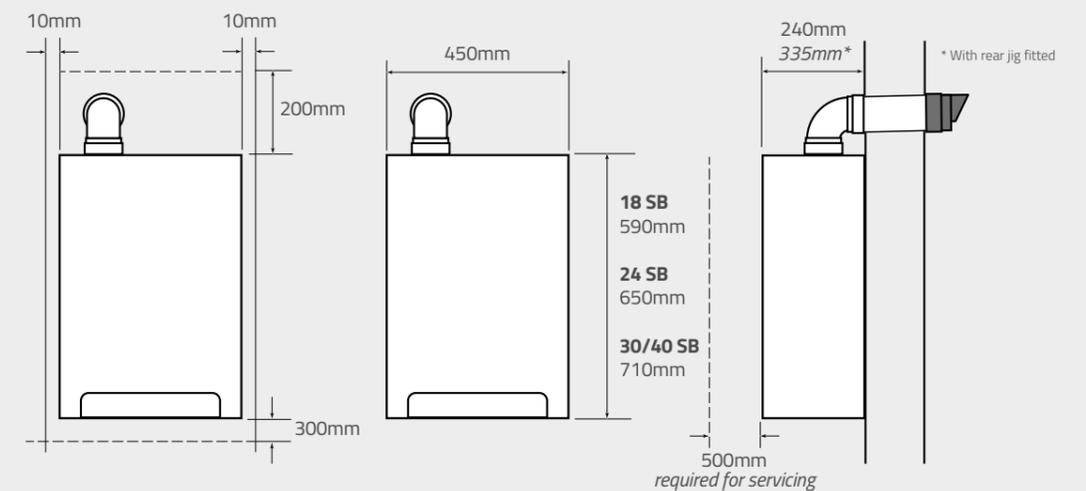
18 24 30 40

Rated output		18	23	27	41
Safety class	IP	IP44	IP44	IP44	IP44
NOx class		6	6	6	6
NOx level	mg/kWh	28.37	27.37	35.56	53.44
Central heating					
Nom. input rating (lower value)*	kW	5.6 - 18.7	7.1 - 23.7	7.5 - 27.0	7.8 - 42.5
Rated power*	kW	6.1 - 18.2	7.7 - 23.1	8.2 - 26.6	8.3 - 40.9
Max. central heating water pressure	bar	2.5	2.5	2.5	2.5
Max. central heating water temperature	°C	80	80	80	80
Energy efficiency rating class		A	A	A	A
Additional data					
Seasonal heating energy efficiency class		A	A	A	A
Heat rated output (power)	P rated kW	18	23	27	41
Seasonal heating energy efficiency	η _s %	93	93	93	92
Annual energy consumption	Q _{HE} GJ	38	48	55	86
Sound power level	L _{WA} dB	45	45	50	55
Annual electricity consumption	A _{ec} kWh	13	17	15	15
Annual fuel consumption	A _{fc} kWh	3159	4998	4930	4930

* The CH output is factory set to 70% of the maximum capacity.

Intergas has a wide range of vertical and horizontal flues; there is also an offset flue kit available which will ensure the flue is in a centralised position. Technical specifications subject to change.

CLEARANCES & DIMENSIONS



HRE OV

PERFECT REPLACEMENT



Technical features

- > OpenTherm ready
- > Up to 10m flueing distance or 50m with our twin flue option
- > Easy to service and maintain
- > LPG conversion available
- > Up to 27kW Output
- > Priority domestic hot water (additional set up required)

EFFICIENCY RATING



HRE OV

18

24

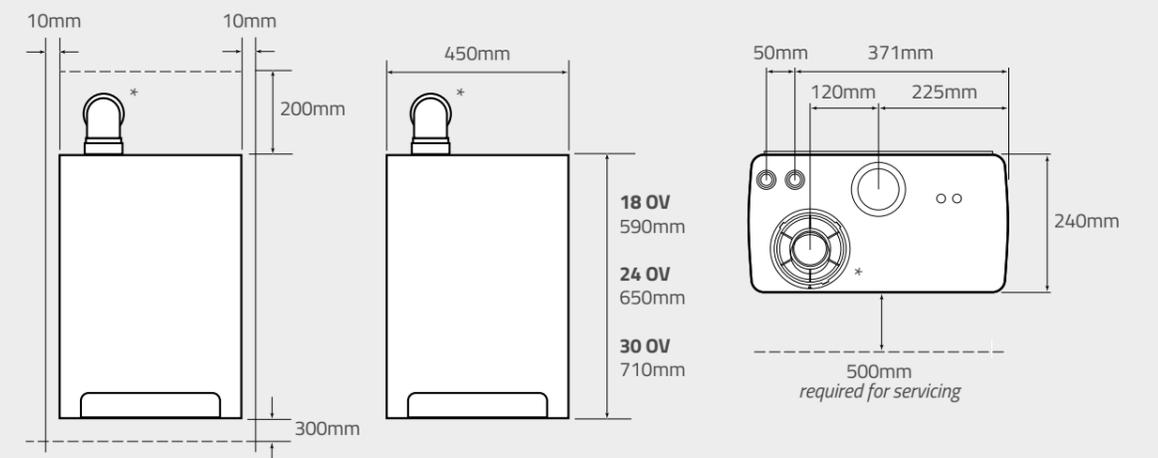
30

Rated output		18	23	27
Safety class	IP	IP44	IP44	IP44
NOx class		6	6	6
NOx level	mg/kWh	28.37	27.37	35.56
Central heating				
Nom. input rating (lower value)*	kW	5.6 - 18.7	7.1 - 23.7	7.6 - 27.0
Rated power*	kW	6.1 - 18.2	7.7 - 23.1	8.2 - 26.6
Max. central heating water pressure	bar	2.5	2.5	2.5
Max. central heating water temperature	°C	80	80	80
Energy efficiency rating class		A	A	A
Additional data				
Seasonal heating energy efficiency class		A	A	A
Heat rated output (power)	P rated kW	18	23	27
Seasonal heating energy efficiency	η _s %	93	93	93
Annual energy consumption	Q _{HE} GJ	38	48	55
Sound power level	L _{WA} dB	45	45	50
Annual electricity consumption	A _{ec} kWh	13	17	15
Annual fuel consumption	A _{fc} kWh	3159	4998	4903

* The CH output is factory set to 70% of the maximum capacity.

Intergas has a wide range of vertical and horizontal flues; there is also an offset flue kit available which will ensure the flue is in a centralised position. Technical specifications subject to change.

CLEARANCES & DIMENSIONS

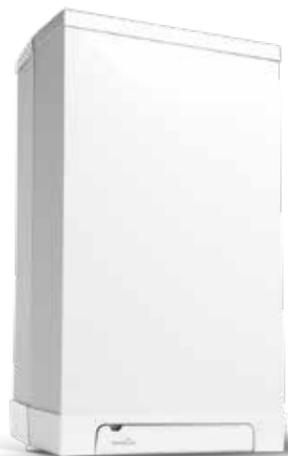


*Offset flue required to bypass flow and return pipework.

RAPID
SMART IN EVERY SENSE



**CUTTING-EDGE
ENERGY
EFFICIENCY**



The Rapid combines high efficiency in both hot water and central heating modes too and our combi condenses virtually 100% of the time its producing hot water - an energy-saving feature that's hard to beat. By adding state-of-the-art controls, like the Intergas Comfort Touch OpenTherm thermostat, even more energy can be saved, while increasing your comfort.

The Rapid is available in two power outputs 25Kw and 32Kw to suit most residential properties. The Rapid can easily be converted to open vent, open-vent combi, system boiler and multipoint water heater by a simple change within the parameter settings.

RAPID & RAPID PLUS 25 32



4 MOVING PARTS



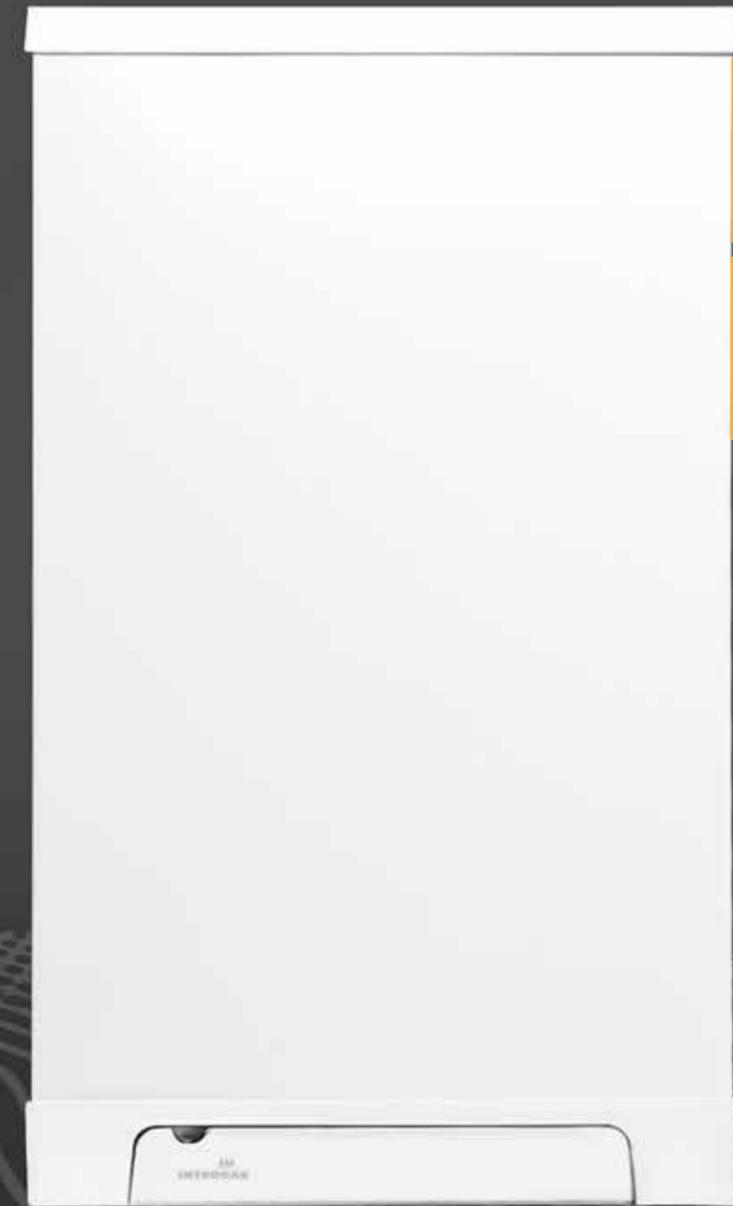
FAST FLOW RATE



BITHERMIC HEAT EXCHANGER



FROST PROTECTION



3 YEAR WARRANTY RAPID

6 YEAR WARRANTY RAPID PLUS

7 YEAR HEAT EXCHANGER WARRANTY

HIGH EFFICIENCY

CONDENSES VIRTUALLY 100% DURING DHW

Controls - see page 48 for more details



2 EXTRA YEARS' WARRANTY
WHEN YOU INSTALL AN INTERGAS FILTER
see page 61 for more details



RAPID & RAPID PLUS

SMART IN EVERY SENSE



Technical features

- > Central flue
- > Up to 10m flueing distance
- > Easy to service and maintain
- > LPG conversion available
- > Built-in programmer
- > Exceptional flow rate
- > Priority domestic hot water (additional set up required)
- > Spacer frame
- > High-rise compliant
- > Combined PRV and condensate

EFFICIENCY RATINGS



Five-in-One boiler

- > Combi
- > Open vent
- > System
- > Open-vent combi
- > Multipoint water heater

RAPID & RAPID PLUS

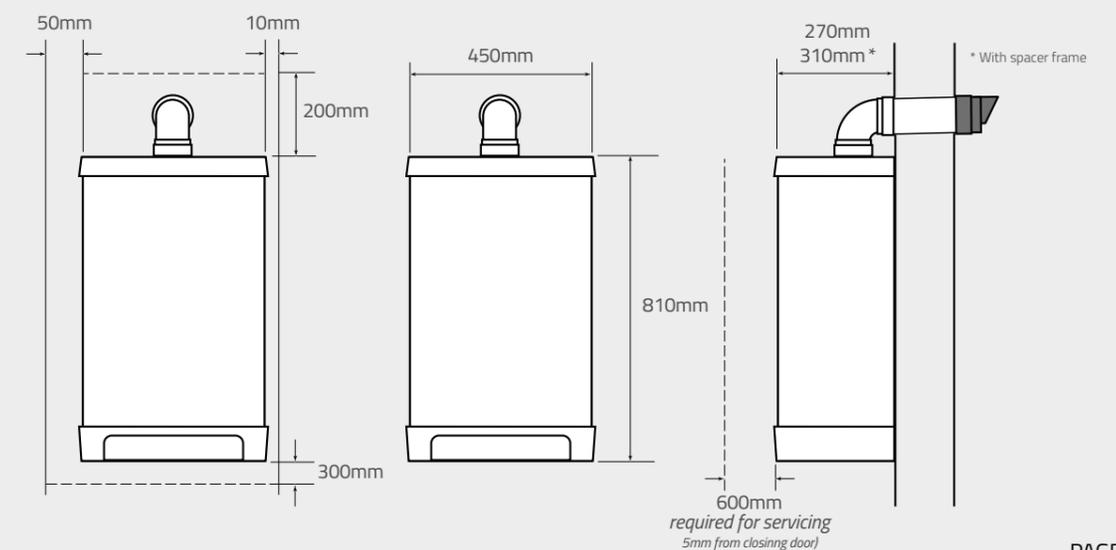
25

32

Heating rated output	kW	25	32
Safety class	IP	IP44	IP44
NOx class		6	6
NOx level	mg/kWh	36.33	46.08
Domestic hot water			
Nom. load input rating	kW	7.1 - 29.1	7.6 - 32.7
Min. DHW flow rate	ltrs/min	1.5	1.5
ΔT 25°C	ltrs/min	16.6	18.7
ΔT 35°C	ltrs/min	11.8	13.3
Domestic hot water temperature (default)	°C	55	55
Load profile		XL	XL
Energy efficiency rating class		A	A
Central heating			
Nom. load (Gross)	kW	7.1 - 25.7	7.6 - 32.7
Nom. load (Net)*	kW	7.1 - 23.15	7.6 - 29.45
Rated power*	kW	7.7 - 25.1	8.2 - 31.9
Max. central heating water pressure	bar	2.5	2.5
Max. central heating water temperature	°C	90	90
Energy efficiency rating class		A	A
Additional data			
Solar compatible		yes	yes
Seasonal heating energy efficiency class		A	A
Heat rated output (power)	P rated kW	25	32
Seasonal heating energy efficiency	η _s %	93	93
Annual energy consumption	Q _{HE} GJ	75	96
Sound power level	L _{WA} dB	50	50
Water heating energy efficiency class		A	A
Water heating energy efficiency	η _{WH} %	87	87
Annual electricity consumption	A _{EC} kWh	20	21
Annual fuel consumption	A _{FC} kWh	4766	4774

* The CH output is factory set to 70% of the maximum capacity.
Technical specifications subject to change.

CLEARANCES & DIMENSIONS



XTEND
MAKE A DIFFERENCE



COMFORTABLE HEATING WITH LESS GAS

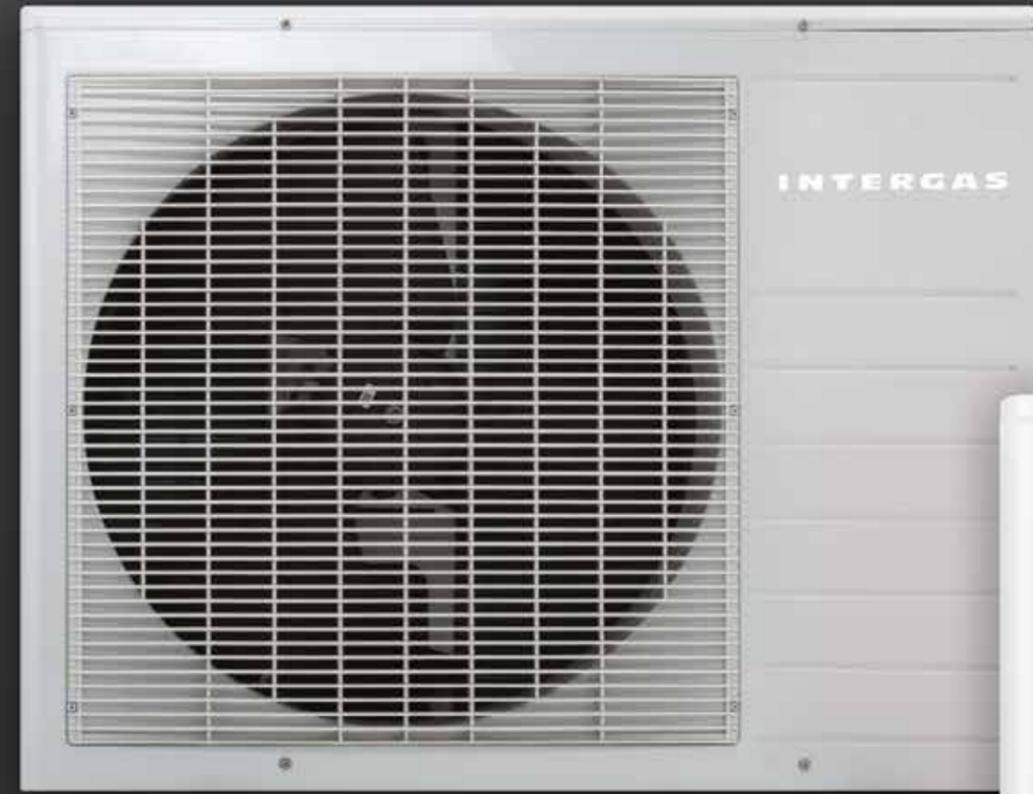


The Xtend hybrid is packed with many features and benefits, making it one of the best in class. Xtend comprises an indoor unit and a 5kW split outdoor unit (ASHP) which are both straight forward to install and configure, thanks to our state-of-the-art design software. Simply scan in the QR code and configuration time is less than 10 minutes.

The indoor control unit is one of the smallest on the market, and has greater flexibility with installation siting. Similarly, the outdoor unit (ASHP) is also compact, can be sited outside the property, providing it's within a 3m (25m max) from the indoor unit. More, importantly it makes minimal noise. Just 34dB(A) at 5m, only 4 decibels more than a soft whisper.



XTEND



7 YEAR WARRANTY



7 YEAR WARRANTY

- 
QUIET
- 
FROST PROTECTION
- 
COMFORT TOUCH APP

Controls - see page 48 for more details

- 
GATEWAY
- 
COMFORT TOUCH

2 EXTRA YEARS' BOILER WARRANTY
WHEN YOU INSTALL AN INTERGAS FILTER
see page 61 for more details



XTEND
MAKE A DIFFERENCE

XTEND
INTERGAS

Technical features

- > Works with any Intergas (ErP) combi boiler
- > Can be retrofitted to any Intergas (ErP) combi boiler
- > Low loss header supplied as standard
- > Less than 10-minute configuration time
- > Indoor control unit is one of the smallest on the market
- > 5kW split ASHP is compact and quiet*

* 36dB(A) at 5 metres (a whisper is 30dB(A)).

Xtend warranties

Combi boiler	Boiler + Xtend: new complete system			Xtend retrofit to boiler			Xtend retrofit to boiler + filter*		
	BOILER	HEAT EXCHANGER	XTEND	BOILER	HEAT EXCHANGER	XTEND	BOILER	HEAT EXCHANGER	XTEND
Rapid	10 yrs	10 yrs	7 yrs	5 yrs	10 yrs	7 yrs	7 yrs	10 yrs	7 yrs
Rapid Plus	10 yrs	10 yrs	7 yrs	8 yrs	10 yrs	7 yrs	10 yrs	10 yrs	7 yrs
HRE	15 yrs	15 yrs	7 yrs	9 yrs	15 yrs	7 yrs	11 yrs	15 yrs	7 yrs
Eco RF	15 yrs	15 yrs	7 yrs	12 yrs	15 yrs	7 yrs	14 yrs	15 yrs	7 yrs
Xclusive	15 yrs	15 yrs	7 yrs	12 yrs	15 yrs	7 yrs	14 yrs	15 yrs	7 yrs
Xtreme	15 yrs	15 yrs	7 yrs	12 yrs	15 yrs	7 yrs	14 yrs	15 yrs	7 yrs

* The system filter must be the Intergas system filter that was fitted at the same time as the boiler. These warranties are only valid if Xtend has been installed and maintained according to manufacturer's instructions.

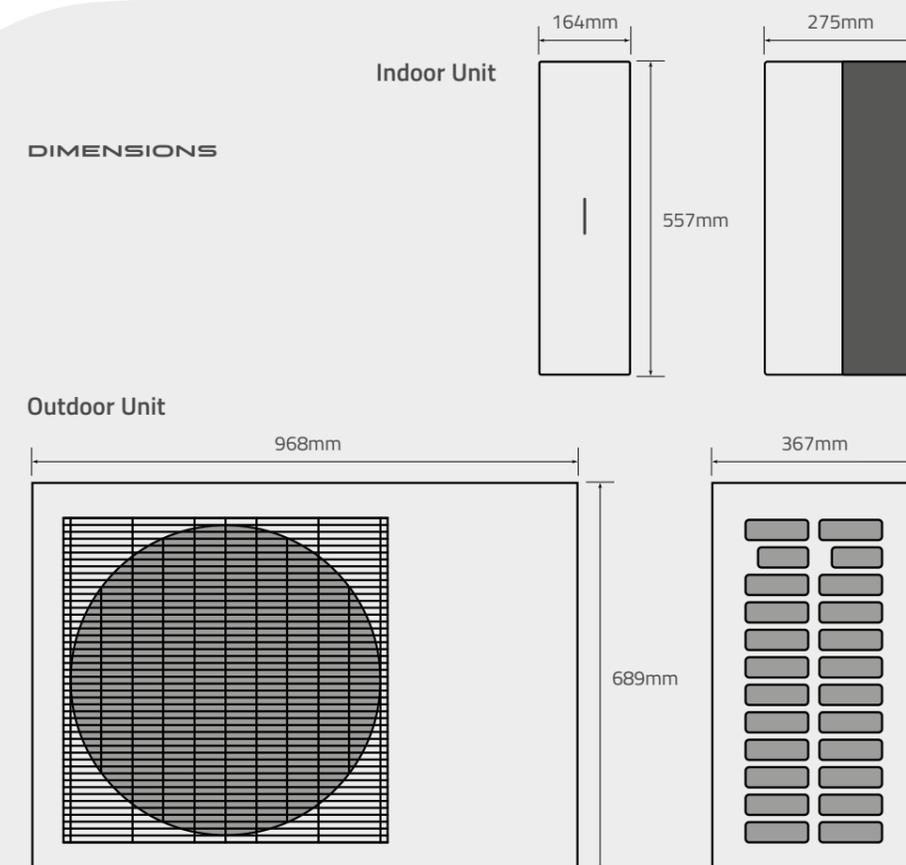
XTEND

A7 W35

Nominal heat output - A7 W35	kW	5.04
Output range	kW	1.8 to 5
COP		4.06
Space heating energy class		A++
Refrigerant type		R32
Refrigerant charge	kg	0.85
Noise		
Noise level	dB(A)	58
Sound power level at 1 metre	dB(A)	49
Sound power level at 2 metre	dB(A)	42
Sound power level at 3 metre	dB(A)	38
Sound power level at 5 metre	dB(A)	34
Temperature		
Heat pump temperature range	°C	-15°C to 25°C
Maximum expected temp - system water from outdoor unit (ASHP)	°C	55°C
Additional data		
Maximum pre-filled refrigerant pipe length without additional R32	m	6
Minimum refrigerant pipe length	m	3
Maximum refrigerant pipe distance between indoor and outdoor units	m	25
Maximum head for refrigerant pipework	m	10
Top up refrigerant after 6 metres	gms	25
Weight - Indoor unit (empty)	kg	10
Weight - Outdoor unit (net)	kg	43

Technical specifications subject to change.

DIMENSIONS



YOU'RE ALWAYS IN CONTROL

At Intergas, we're determined to make your life as comfortable as possible! That's why we have a great range of practical and easy-to-use controls to meet your heating needs. You can choose from a straightforward single-room thermostat to a system that gives you complete control over every room in your home.



Comfort Touch

Comfort Touch is our easy-to-use, modulating room thermostat. It communicates with the boiler using OpenTherm to automatically adjust its settings to achieve the desired room temperature faster. Comfort Touch will display any boiler fault codes should they occur which is really useful if the boiler is in a remote location, like the garage or loft.

Comfort Touch can be used with all our boilers but, when paired with the Xtreme, Xclusive and Eco RF boiler ranges, which all have a built-in RF module, you'll have remote access to your heating system (Gateway and Comfort Touch app are required for remote access). Your installer can also monitor boiler performance remotely using our Service Dashboard and head off any potential issues before they develop.

Comfort Touch is available in both black and white.*



* Intergas Gateway is required to use the ComfortTouch app.



Servicing with peace of mind

Our Intergas Gateway is an ingenious control console that connects your boiler with our own servers via your Wi-Fi router, and constantly monitors boiler performance.

If any faults are detected, your installer can be notified straight away, significantly reducing the risk of a breakdown.

INSTALLER TRAINING & SUPPORT



BOOK A COURSE
ON OUR WEBSITE



Keep your training on course

Discover the ultimate learning experience with our hands-on training courses dedicated to mastering our cutting-edge boiler range. Our courses are designed to be highly practical and exceptionally effective, ensuring you gain valuable skills and knowledge.

Excitingly, we have recently introduced our Cross-Over training programme, a unique offering that divides the day between in-depth gas boiler installation and comprehensive insights into hybrid heating systems. For those seeking intensive training on hybrid heating system installations, we've also got you covered.

Choose from a variety of convenient locations across the country, where we partner with specialised training centres to deliver our courses. Alternatively, immerse yourself in training at our state-of-the-art facility located at our headquarters in Kidderminster.

Join us in mastering the art of boiler installation and hybrid heating systems through our comprehensive and hands-on training courses. To book your free Intergas training course give us a call on 01527 888000 or visit www.intergasheating.co.uk/installer/support/courses

Continual Technical Support

Even though our comprehensive training courses will give you all the 'know-how' you'll need, you may still have the odd question further down the line. Rest assured, our on-site Technical Support Team are always on hand to help.



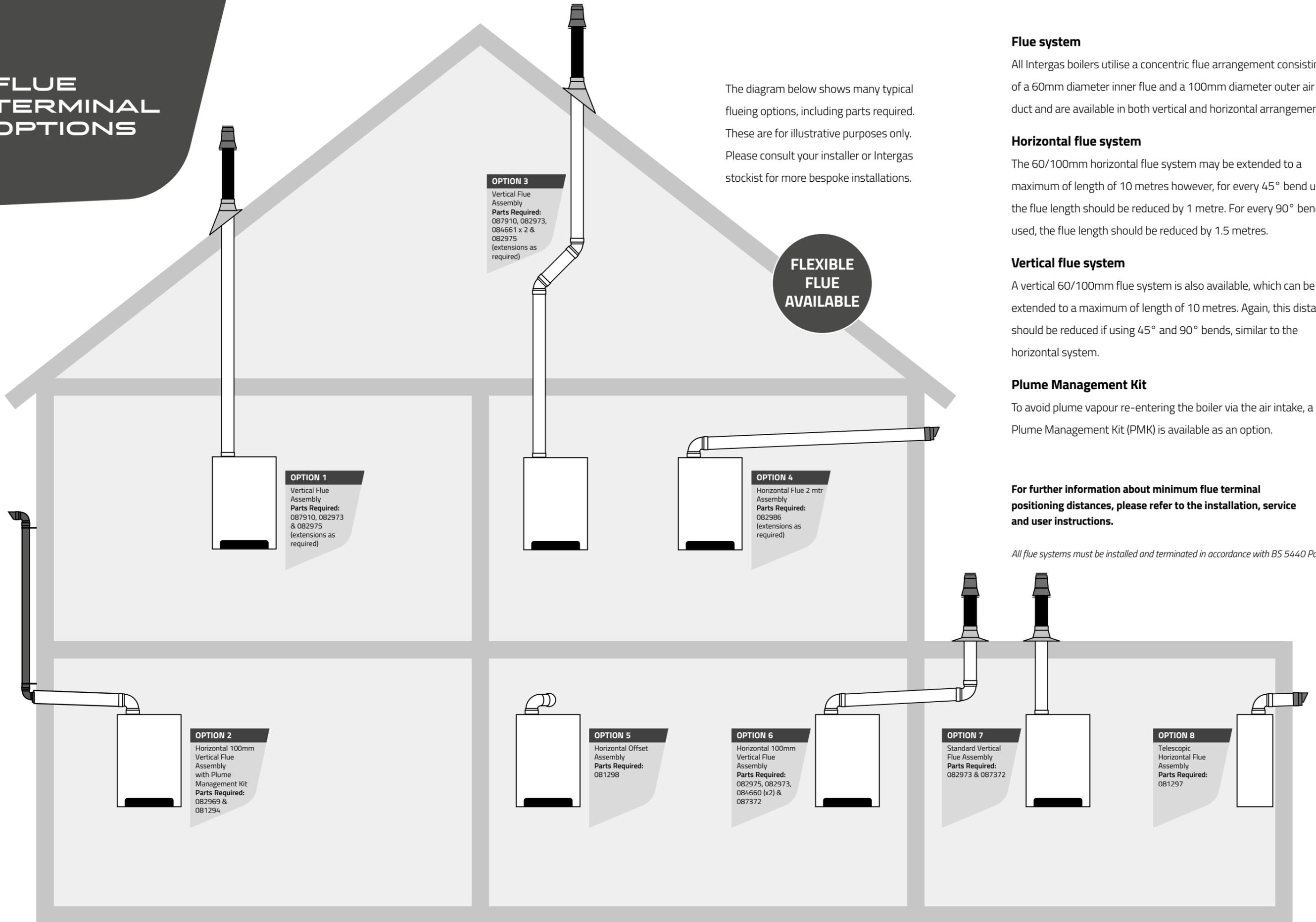
WE'RE ALWAYS THERE FOR YOU

We believe that choosing an Intergas boiler for your heating and hot water is one of the best decisions you can make. It will look after you and your family for years to come. We're always happy to answer any questions you might have; you can Live Chat with a member of our Customer Service Team or simply give us a call on 01527 888000. For more information and to find an Intergas installer in your area, please visit www.intergasheating.co.uk

Opening hours Monday - Friday 8.00am - 5.00pm & Saturday 8.00am - 12.00pm.



FLUE TERMINAL OPTIONS



The diagram below shows many typical flueing options, including parts required. These are for illustrative purposes only. Please consult your installer or Intergas stockist for more bespoke installations.

Flue system

All Intergas boilers utilise a concentric flue arrangement consisting of a 60mm diameter inner flue and a 100mm diameter outer air inlet duct and are available in both vertical and horizontal arrangements.

Horizontal flue system

The 60/100mm horizontal flue system may be extended to a maximum of length of 10 metres however, for every 45° bend used, the flue length should be reduced by 1 metre. For every 90° bend used, the flue length should be reduced by 1.5 metres.

Vertical flue system

A vertical 60/100mm flue system is also available, which can be extended to a maximum of length of 10 metres. Again, this distance should be reduced if using 45° and 90° bends, similar to the horizontal system.

Plume Management Kit

To avoid plume vapour re-entering the boiler via the air intake, a Plume Management Kit (PMK) is available as an option.

For further information about minimum flue terminal positioning distances, please refer to the installation, service and user instructions.

All flue systems must be installed and terminated in accordance with BS 5440 Part 1

** The illustration above excludes the Rapid range.*

XTREME, XCLUSIVE, ECO & HRE INSTALLER ACCESORIES

FLUES & ACCESSORIES



Horizontal Non Telescopic Straight Wall
0.6m Flue (600mm) **082980**
1m Flue (1000mm) **082969**
2m Flue (2000mm) **082986**



500mm Flue Extension (60/100) **082979**
1000mm Flue Extension (60/100) **082975**
2000mm Flue Extension (60/100) **090797**



Horizontal Telescopic Straight Wall
Terminal (520mm) **081297**



Horizontal Telescopic Offset Wall
Terminal Flue Kit (520mm) **081298**



Vertical Roof Terminal
60/100 (including adapter)
082973



Stand Off Bracket 24/18 Small **093186**
Stand Off Bracket 28/24 Medium **093196**
Stand Off Bracket 36/30 Large **093206**



Pipe/Valve Cover
HRE
093217



Pipe/Valve Cover HRE
36/40 & SB40
092677



Vertical Adaptor
090547



Outside Sensor
203207



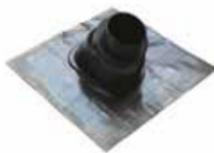
45° Bend (60/100mm) x1
084661



Offset Elbow x1
081289



90° Bend (60/100mm) x1
084660



Weather Slate (Pitched Roof)
087910



Weather Slate (Flat Roof)
087372

PLUME MANAGEMENT



Balcony Kit (1000mm) **086890**



Plume Management Flue Extension (1000mm)
(including wall clamp) **081286**



Plume Management Kit (500mm) **081294**



Plume Deflector 60°
081295



PMK PP60 90°
081284



PMK PP60 60°
(2 per box)
081285



FIXING JIGS



X-Range Jig
Suitable for Xtreme, Xclusive
(all sizes)

092114
(frame with valves,
copper pipework, fixing kit &
retaining clips)

092104
(frame with fixing kit &
retaining clips)



Kit A Small - Rear Jig
ECO RF 24, HRE 24/18
& SB18

093187

Kit A Medium - Rear Jig
ECO RF 30, HRE 28/24
& SB24

093197

Kit A Large - Rear Jig
ECO RF 36, HRE 36/30 &
HRE36/40, SB30 & SB40

093207



Kit B - Robokit 12 Itr
(with valves) Not suitable
for Open-vent

090000



Kit C - Robokit 8 Itr
(with valves) Not suitable
for Open-vent

090100

ACCESSORIES & TWIN FLUES

Extensions (white)

- 80mm x 250mm **453973**
- 80mm x 500mm **453975**
- 80mm x 1000mm **453977**
- 80mm x 2000mm **453979**

(including brackets)



Vertical Roof Terminal
80/125 (including adapter)
086883



**MUST BE
FITTED WITH A
WEATHER SLATE**



Horizontal Wall Terminal 80/125 **076355**



Air Terminal 80 PP **082856**



80 PP Wall Bracket
452203



90° Bend x2 (including brackets)
453992



45° Bend x2 (including brackets)
453990



Kit 410 ECO RF 24, HRE 24/18, SB18 & OV18 **076057**

Kit 480 ECO RF 30, HRE 28/24, SB24 & OV24 **076067**

Kit 525 ECO RF 36, HRE 36/30, 36/40, SB30, SB40 & OV30 **076077**

Kit 315 XCLUSIVE 24 **076047**

Kit 370 XCLUSIVE 30/36 **076914**



Boiler Adapter 80/125
090767



Weather Slate 80/125
(Flat Roof)
075333



Flexi Flue Kit

Expander PP 60/100 **071025**

Seal Flex Viton 130 **086332**

Concentr. Flex Kit Basic 80/125 **086381**

Extension Flex PP 80/130 **086384**

Skyline Top 80/125 PP **086388**

Support Elbow 80/125 **086391**

Chimney Place 158 **086392**

Pull Cone 130 **470251**



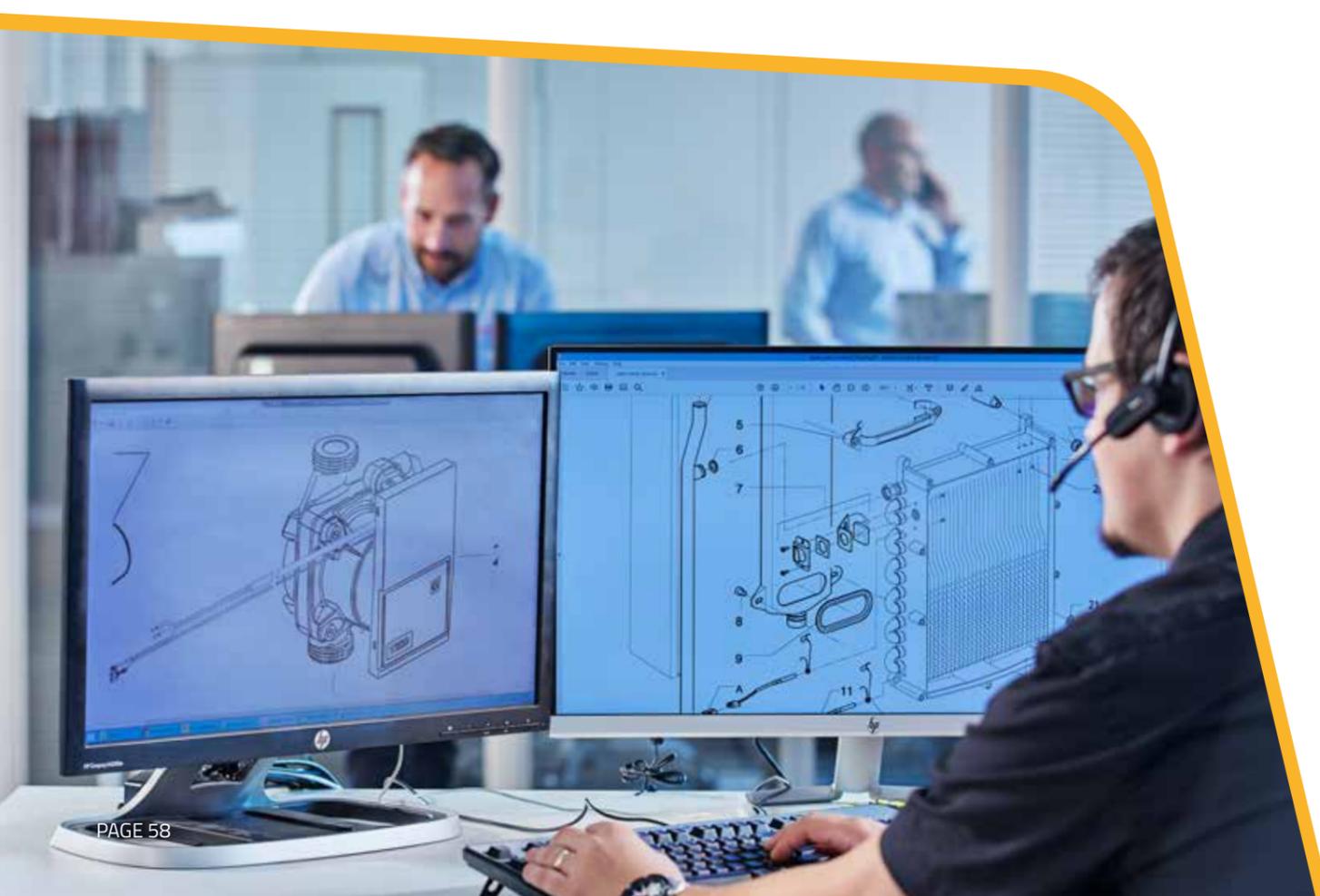
System Filter &
Chemical Pack
090044



System Filter
090897



Weather Slate 80/125
25° - 45°
087909



RAPID INSTALLER ACCESORIES

FLUES & ACCESSORIES



Vertical Roof Terminal
60/100 (Adaptor NOT included)
086838



**MUST BE
FITTED WITH A
WEATHER SLATE**



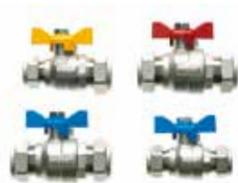
Horizontal Straight NT Wall Terminal 60/100 (1000mm) **083442**



1000mm Flue Extension (60/100) **086649**



Rear Spacer Frame (Depth 40mm)
093797



Valve Set (Included in the Rapid Boiler)
950417



System Filter
090897



43-45° Bend ALU 60/100
087616



87-90° Bend ALU 60/100
087617



Vertical Adaptor ALU 60/100
086807



Weather Slate (Pitched Roof)
087910



Weather Slate (Flat Roof)
087372



LPG Conversion Kit Rapid 25
076067

LPG Conversion Kit Rapid 32
076077

PLUME MANAGEMENT



Plume Management Kit (1000mm) **083445**



Plume Management Flue Extension (1000mm)
(including wall clamp) **082055**



PMK 45°
(2 per box)
082056



PMK 90°
082057

All parts in the Rapid boiler are easily accessible as the boiler case is removed from the front and, with the built-in expansion vessel, there is no need to use a jig. Intergas provides a 3-year parts and labour warranty on the Rapid and a 6-year warranty on the Rapid Plus.

*warranties subject to terms and conditions



ENJOY EXTRA PEACE OF MIND

Intergas System Filter for a healthy central heating system

Debris in the water can severely affect the performance of your central heating system and that's why an in-line filter must be fitted when the boiler is installed. In partnership with Fernox, we have developed the Intergas System Filter and Chemical Pack. The filter, which is made from nickel-plated brass and stainless steel and is 100% recyclable, prevents contaminants from the system entering the boiler. A bottle of Fernox FI Inhibitor and a bottle of Fernox F3 Cleaner complete the pack and, together with the filter, optimise the energy efficiency and longevity of the whole central heating system.

Whether you buy the whole pack or just the system filter, as soon as the filter's fitted and registered, we'll add another two years to the warranty.

* Warranties subject to terms and conditions of each boiler model.



INTERGAS SUPPORTS GAS SAFE

The Gas Safe Register is the official UK body for gas safety.

By law only a Gas Safe-registered engineer can install your gas boiler. All Gas Safe-registered engineers must adhere to stringent safety criteria and be up-to-date with the latest industry developments to retain their registration. All Intergas technicians and our recommended installers are Gas Safe-registered.



Tested and approved by Gas Safe Register, the MiREG+ app is designed to help Intergas installers work smarter and faster.

The app simplifies on-site documentation and improves record keeping and compliance. Intergas also pays the Building Regulation notification fee on all Intergas boilers. To benefit, register now on www.myintergasregistration.co.uk



Intergas is a member of Benchmark. This is a nationally recognised scheme that promotes quality in the installation, commissioning and servicing of domestic heating and hot water systems, in line with Part L of the Building Regulations.



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*The information in this brochure was correct at the time of going to print.
Intergas Heating Solutions reserves the right to make any modifications to
product specifications or any other details, without prior notification.
For further clarification, please enquire in writing to the head office address below.*



Member of the Rheem® family