



# Vortex Oil Boiler Ranges

Including Vortex, VortexBlue  
and energy management  
systems



Trustpilot



Grant Engineering has been designing and manufacturing reliable, efficient and innovative heating products since 1978. Specialising in condensing oil-fired boilers and an expanding range of renewable appliances including air source heat pumps, biomass boilers, solar thermal systems and hybrid technologies, the Grant brand has established a reputation for quality that is second to none.

Here at Grant, we combine precision engineering, innovation, performance and value for money to produce sustainable heating solutions that are trusted by installers and homeowners alike. While the technology is sophisticated, Grant products are easy to install, straightforward to maintain and backed-up by excellent after-sales support. When customers choose Grant, they also get the added peace of mind that comes with the excellent reliability and superb efficiencies of our products.

At the heart of everything we do is continuous product development. Every Grant product incorporates the latest technologies and materials which enable them to exceed performance and environmental standards ensuring that they make the best use of our natural resources. Consequently, Grant products meet the heating needs of tomorrow, today.

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## What is a condensing boiler?

Condensing boilers are designed to capture heat normally lost through the flue system during the combustion process. These boilers have a second heat exchanger where the flue gases are cooled to below their dew point by the water returning from the heating system. This has the effect of condensing the water vapour present in the flue gases and releasing the heat energy that would otherwise be lost to the outside through the flue system.

Unlike traditional oil-fired boilers, the Grant Vortex and VortexBlue condensing boilers have a built-in stainless steel heat exchanger incorporating our unique turbulator baffle system which cools the gases to a point where the latent heat, normally lost to the atmosphere through the flue, can be usefully extracted. The additional energy recovered enables the boiler to operate continuously at much higher efficiency levels, resulting in lower heating and hot water running costs.

### Why upgrade to a condensing boiler?

The principal benefits of condensing boilers are their improved efficiencies and performance. While older oil-fired boilers operate with energy efficiency levels as low as 65%, modern boilers operate with much higher efficiency. Not only can switching to a new condensing boiler significantly lower fuel bills but it can also reduce greenhouse gas emissions, lessening the environmental impact of domestic hot water and heating systems.

The Grant Vortex and VortexBlue ranges have some of the highest efficiencies in the UK. Utilising our patented, award-winning Vortex stainless steel secondary heat exchanger and incorporating the latest burner technology, Grant boilers are designed and manufactured to the highest standards. When homeowners upgrade their heating system to a Grant oil-fired condensing boiler, they can be confident in the product's durability and efficiency.

### Plumbing

Condensing boilers operate at extremely high efficiency levels, producing cool flue gas temperatures which result in a 'plume' of vapour being visible at the flue terminal. This plume (steam) is a normal condition of condensing boiler operation and indicates that the appliance is working efficiently.



Prior to installation, the position of the flue needs to be considered to ensure that the plume does not cause any inconvenience. Grant's EZ-Fit flue systems are designed to ensure plumbing is kept well out of the way of any windows, air vent or doors, and out of sight. Low level balanced, high level, or vertical flue kits are available, which move the plume to a higher level. It is also possible to convert an existing low level balanced flue to an external high level or vertical arrangement using Grant's Plume Diverter.

For more information about the Grant EZ-Fit flue range, please refer to the Grant EZ-Fit flue guide available to download at [www.grantuk.com](http://www.grantuk.com). Also available on the Grant UK website is a flue configurator tool which helps you identify the most suitable flue system for your chosen boiler. Simply scan the code to go directly to this handy tool.



## Introducing the Ranges



Vortex Range



VortexBlue Range

Grant's extensive Vortex oil-fired boiler range consists of internal, external, boiler house, combi and wall hung models. Incredibly efficient and incorporating the latest low NOx burner technology, every Vortex oil boiler has been designed to deliver reliable home heating sustainably. The diverse range delivers flexibility when it comes to installation. From slimline utility models through to durable powder-coated external variants, the Vortex range of oil-fired boilers provides customers with choice, enabling them to select the solution which best meets their specific requirements.

### Features

- Outputs from 12-70kW
- 48 models available
- Up to 94.5% space heating efficiencies
- Awarded Which? Best Buy in 2017, 2018 & 2019
- Riello low NOx yellow flame burner technology
- Up to 5 year guarantee\*

### Features

- Outputs from 15-36kW
- 15 models available
- Up to 94.5% space heating efficiencies
- Awarded Which? Best Buy in 2017, 2018 & 2019
- Riello RDB BLU blue flame burner technology
- Up to 10 year guarantee\*



\*When installed by a G1 Installer. Subject to full T&C's.

## Efficiency

Designing and manufacturing highly efficient heating products has always been central to Grant's R&D processes. Since their first oil boiler, each generation has introduced technological advances which enable the products to be as efficient as possible. This is why the Vortex and VortexBlue boilers of today are some of the most efficient models available on the market.

Installing a high efficiency oil boiler offers homeowners multiple benefits. The appliances which work most efficiently and effectively use less fuel which in turn can reduce heating bills for the householder. Not only does the reduced fuel usage result in lower heating and hot water running costs, but it is also more sustainable. The lower fuel demand enables householders to stretch their oil further and to enjoy the advantages that this delivers.

### Efficiency through design

Grant's oil boilers incorporate several design features which enable each model to work most efficiently. Each boiler utilises the patented Vortex stainless steel condensing heat exchanger and turbulator baffle system,

enabling the boilers to extract energy from the latent heat which would normally be lost through the flue. This award-winning technology has been recognised throughout the industry and is one of the reasons why Grant boilers are so popular with engineers and householders alike.

The quality of the components within Grant's Vortex and VortexBlue models is never compromised either. Within each boiler is the latest burner technology, burners which have undergone significant advances in design in recent years. Developed to atomise oil as efficiently as possible, modern day pressure jet burners achieve excellent combustion efficiencies. In addition, these burners are all low NO<sub>x</sub>, delivering high performances with lower emissions levels.

By combining market leading technologies which are tried and trusted, Grant's oil boilers are able to deliver home heating effectively and reliably for many years.

### Efficiency in practise

ErP ratings and SAP 2009 figures are two standards which measure a product's efficiency. The Energy related Products (ErP) labelling provides homeowners with a clear rating which indicates the efficiency level of an appliance. Oil boilers must meet certain energy efficiency criteria in order to achieve a rating between A (most efficient) down to D (least efficient). Heat only boilers have one ErP rating whereas combination boilers have two ErP ratings, one for their heating efficiency and one for their hot water efficiency.

Meanwhile, SAP 2009 is an energy performance calculation which produces a rating which is based upon the energy costs associated with space heating, water heating, ventilation and lighting less cost savings from energy generation technologies. The rating can be between 1 to 100, with the higher figures indicating lower running costs.

All of Grant's oil boilers have an ErP 'A' rating for their heating and SAP 2009 efficiency figures which recognise that Vortex and VortexBlue models can achieve annual efficiencies of up to 93.3% gross. With these figures, Grant can verify that each of their oil boilers puts into practice what it is designed to do.



Grant vortex pro. Just had this fitted and had the efficiency tested at 99.6%, you read about this level of efficiency but never quite believe it. Our old boiler was about 75 to 80%. Looking forward to the savings now. We had ours fitted outside, looks smart and saved space in the old boiler room. As such the house is far quieter.

Jerseyterrier  
17th August 2020



## Improving system efficiency

Today, there are many different ways that householders can make their home heating system work as efficiently as possible, from choosing the right heat source through to effective controls and regular product maintenance.

### Upgrade the heat source and combine technologies

Replacing an old, inefficient boiler with a new condensing Vortex or VortexBlue oil-fired boiler can instantly help reduce fuel consumption, as detailed on page 4. Householders can further improve their system's efficiency by opting to install a high-performance hot water cylinder alongside their new boiler. Models such as Grant's Wave cylinders are designed to deliver maximum heat transfer as well as low standing heat losses to reliably and effectively meet a property's hot water needs.

Householders can further reduce their fuel usage but installing solar thermal as well. Grant Sahara Solar Thermal systems work all year round, utilising energy from the sun to sustainably heat water. Combining solar thermal technology with a highly efficient cylinder can help reduce the overall demand on the oil boiler, further reducing the amount of fuel used.

### Correct system design

It is essential that the right boiler size is selected to meet the heating requirements of a property. Installing too small a boiler will cause numerous problems for both the householder and their heating system. Meanwhile, oversizing a system and installing too large a boiler is highly inefficient because the boiler's output will be greater than what the property requires. This is why correct system design is so important and crucial for achieving maximum system efficiency throughout a home.

### Complete commissioning process

Alongside correct system design and installation, the commissioning process is also central to ensuring that a boiler works at its most efficient rate. Commissioning a boiler involves balancing the radiators and setting up the pumps, two factors which can contribute to how well a boiler works. If a boiler is not correctly commissioned, this can prevent it from achieving the efficiencies it is capable of.

### Effective controls

Modern day control systems can help homeowners to precisely manage their home heating, achieving maximum comfort with improved efficiencies. Room thermostats and controls deliver heat when and where it is most needed, reducing the demand when not required which consequently reduces the demand on the boiler. In addition, weather compensators such as the Grant GEO360 can adjust system water temperature to match a heat output closer to the needs of the home which can also help save fuel.

### Routine servicing

Regularly maintaining an oil boiler with routine servicing is beneficial in many ways. It is recommended that Grant oil boilers are serviced every twelve months to help prolong the lifespan of the product. In addition, servicing involves checking the system as well, ensuring that both the boiler and system are operating safely and efficiently.



## Vortex Oil Boiler Range

The Vortex condensing oil boiler range has been developed by Grant to combine quality, reliability and exceptional performance. Each model within the range has been designed to be straightforward to install, user-friendly to operate and maintain, while also achieving excellent efficiencies to meet a home's heating requirements effectively. With so much choice, the Vortex range of floor standing and wall hung boilers offers homeowners a broad selection of models to suit a kitchen, utility, outdoor or garage environment.



# Vortex Eco Utility Range

The Vortex Eco Utility range of competitively priced condensing boilers have a simplified casing, control panel and pipework arrangement. The ideal choice for utility room installations, the Eco Utility models incorporate Grant's patented stainless steel heat exchanger, are quiet in operation and simple to service with the burner and combustion chambers positioned towards the front of each boiler.



## Models

VTXECO15/21 Vortex Eco Utility 15-21kW  
VTXECO21/26 Vortex Eco Utility 21-26kW  
VTXECO26/35 Vortex Eco Utility 26-35kW

- 15kW – 35kW outputs available
- Factory fitted condensate trap within the boiler case (can be positioned externally if preferred)
- Can be flued from the top, rear, left or right hand side of appliance

# Vortex Eco System Utility Range

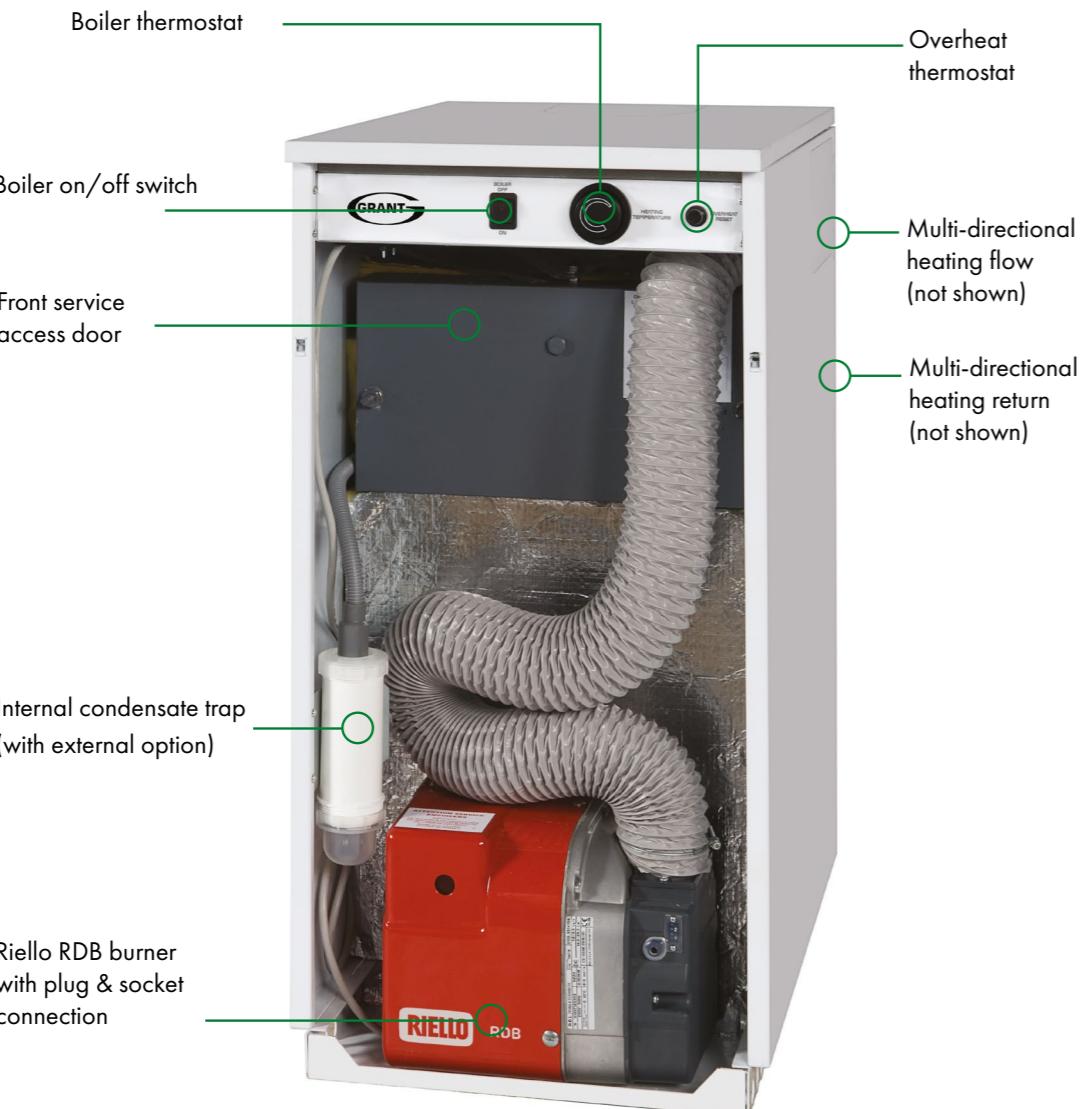
All three Vortex Eco Utility boilers are available as sealed system versions. Eco Utility System models are supplied with a factory fitted expansion vessel, filling loop, pressure gauge, automatic air vent, pressure relief valve and high efficiency circulating pump enabling the boilers to be installed without the need for a feed and expansion tank in the loft.

## Models

VTXSECO15/21 Vortex Eco Utility System 15-21kW  
VTXSECO21/26 Vortex Eco Utility System 21-26kW  
VTXSECO26/35 Vortex Eco Utility System 26-35kW

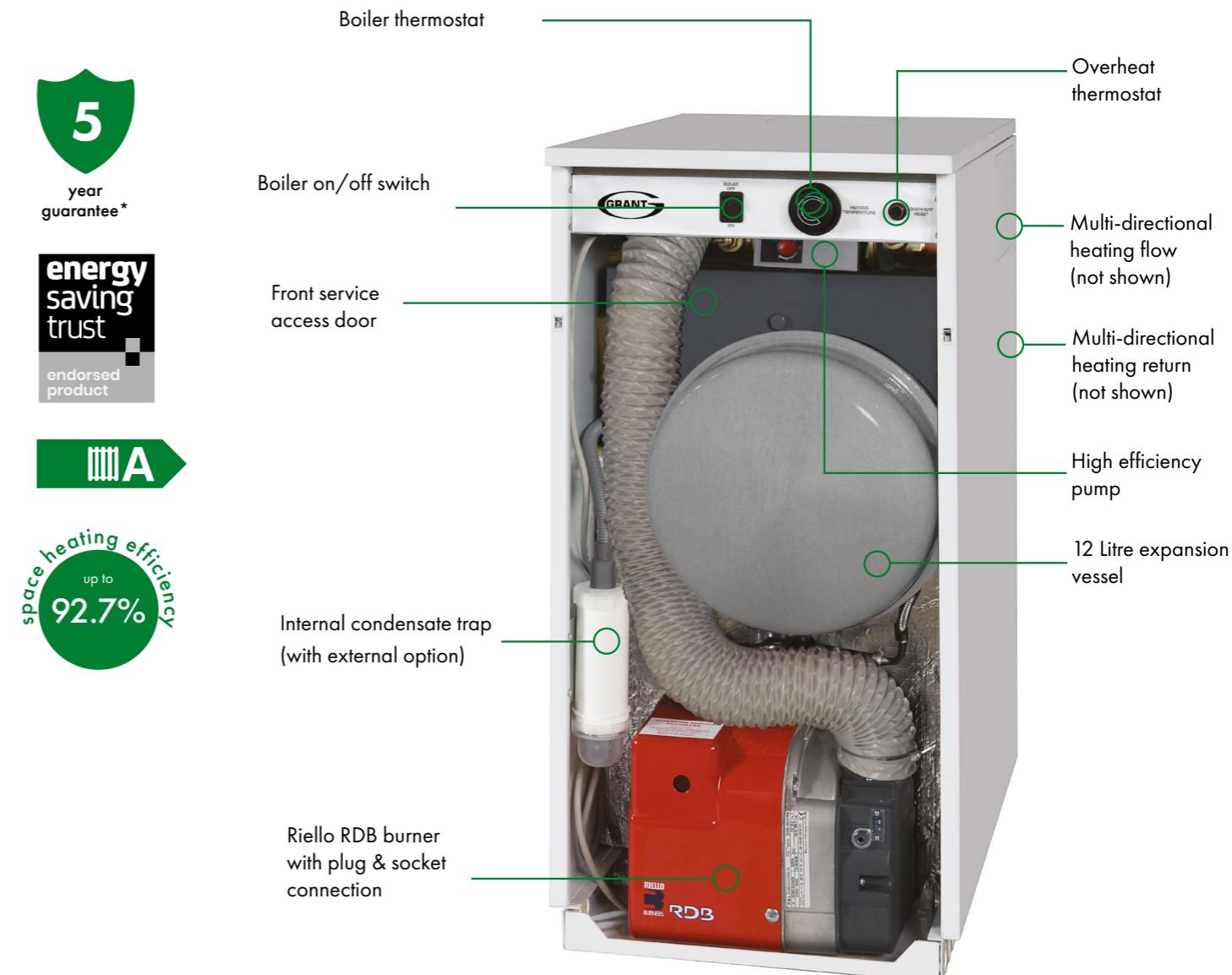
- 15kW – 35kW outputs available
- Factory fitted 12 litre expansion vessel
- Wilo high efficiency pump fitted within boiler casing

Please note, system models require top service access so this must be accounted for during installation.



\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTXECO15/21



\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTXSECO15/21

# Vortex Eco External Range

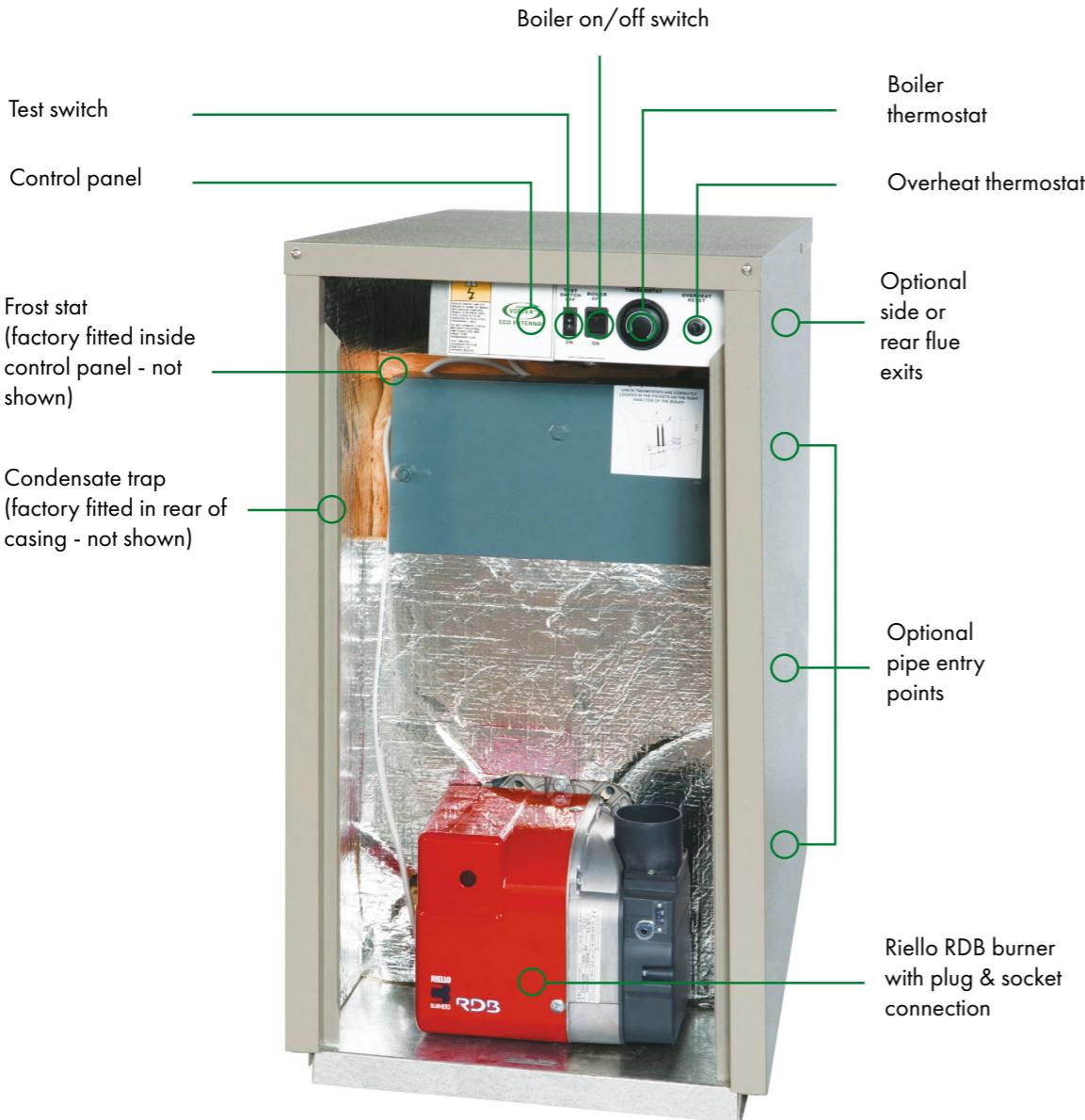
When space is at a premium indoors, an external boiler can provide the solution. Grant's Vortex Eco External boilers are competitively priced, highly efficient and with their durable powder coated casing, are designed and built to be sited outside of a property. All the Vortex Eco External models have multi-directional flueing options providing flexibility when it comes to installation.



## Models

VTXOMEKO15/21 Vortex Eco External 15-21kW  
VTXOMEKO21/26 Vortex Eco External 21-26kW  
VTXOMEKO26/35 Vortex Eco External 26-35kW

- 15kW – 35kW outputs available
- High quality external powder coated paint finish
- Built-in boiler frost protection, mains isolating switch and test switch



\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTXECO15/21

# Vortex Eco External System Range

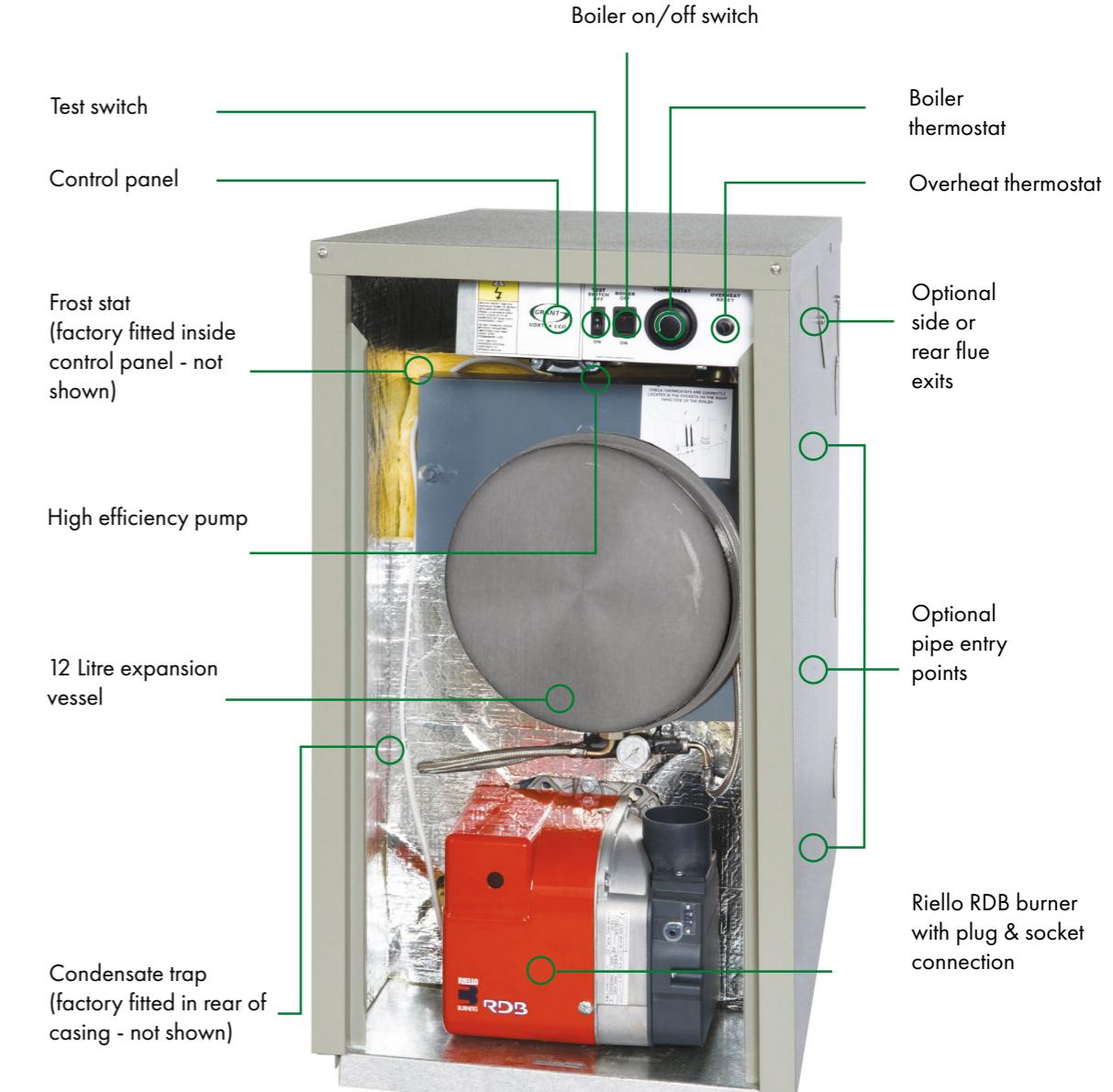
The Vortex Eco External System boiler range consists of three models which are also supplied with a high quality external powder coated paint finish. Similar to the Eco Utility System range, all of the Eco External System boilers include a factory fitted expansion vessel, filling loop, pressure gauge, automatic air vent, pressure relief valve and high efficiency circulating pump.



## Models

VTXSOMEKO15/21 Vortex Eco External System 15-21kW  
VTXSOMEKO21/26 Vortex Eco External System 21-26kW  
VTXSOMEKO26/35 Vortex Eco External System 26-35kW

- 15kW – 35kW outputs available
- Multi-directional flue options
- Built-in boiler frost protection, mains isolating switch and test switch



\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTXSECO15/21

# Vortex Eco Internal Wall Hung Range

Grant's popular Internal Wall Hung boilers are sleek, white cased models suitable for when a floor standing model cannot be accommodated. Available in open-vented system and sealed system variants, the Vortex Internal Wall Hung range is supplied pre-plumbed and features Grant's patented heat exchanger and turbulator baffle system.



\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTXWH12/16

## Models

VTXWH12/16 Vortex Wall Hung Internal 12-16kW  
VTXWH16/21 Vortex Wall Hung Internal 16-21kW  
VTXSWH12/16 Vortex Wall Hung Internal System 12-16kW  
VTXSWH16/21 Vortex Wall Hung Internal System 16-21kW

- 12kW – 21kW outputs available
- Sealed system models available
- Compatible with all Grant EZ-Fit low level, high level and vertical flue systems (purchased separately)

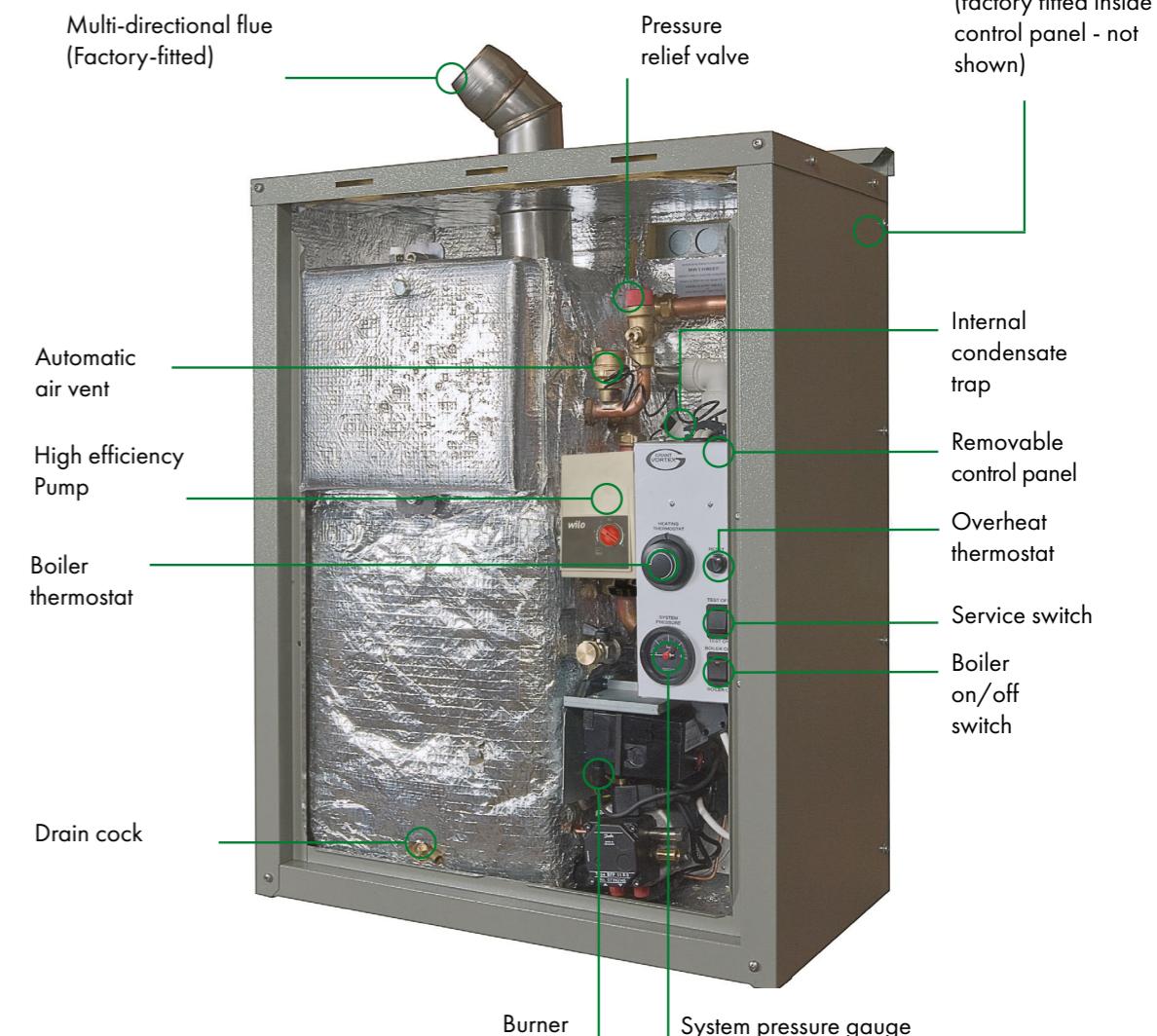
# Vortex Eco External Wall Hung Range

The Vortex Eco External Wall Hung range consists of two open-vented system models and two sealed system models. Similar to the Internal Wall Hung models, the External Wall Hung boilers are also pre-plumbed. Each model is finished with a high quality external powder coated paint and has a factory fitted flue.

## Models

VTXOMWH12/16 Vortex Wall Hung External 12-16kW  
VTXOMWH16/21 Vortex Wall Hung External 16-21kW  
VTXSOMWH12/16 Vortex Wall Hung External System 12-16kW  
VTXSOMWH16/21 Vortex Wall Hung External System 16-21kW

- 12kW – 21kW outputs available
- Sealed system models available
- Built-in boiler frost protection, mains isolating switch and test switch



\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTXSOMWH12/16

# Vortex Pro Utility Range

Grant's Vortex Pro Utility boilers are incredibly efficient, achieving efficiencies of up to 93.3%. Designed for the kitchen or a utility room, the Pro Utility models deliver choice and performance across the range. Included within the range is a boiler which is just 348mm wide, an ideal solution for direct boiler replacements of older oil-fired models.



## Models

VTX15/21 Vortex Pro Utility 15-21kW  
VTX15/26 Vortex Pro Utility 15-26kW  
VTX26/36 Vortex Pro Utility 26-36kW  
VTX36/46 Vortex Pro Utility 36-46kW  
VTX46/58 Vortex Pro Utility 46-58kW  
VTX58/70 Vortex Pro Utility 58-70kW

- 15kW – 70kW outputs available
- Factory fitted condensate trap within the boiler case (can be positioned externally if preferred)
- Exceptionally quiet in operation

# Vortex Pro System Utility Range

Three sealed system boiler models are available in the Pro Utility System range which include the supply of a factory fitted expansion vessel, filling loop, pressure gauge, automatic air vent, pressure relief valve and high efficiency circulating pump. Pro Utility models over 46kW can also be converted to sealed system operation.

## Models

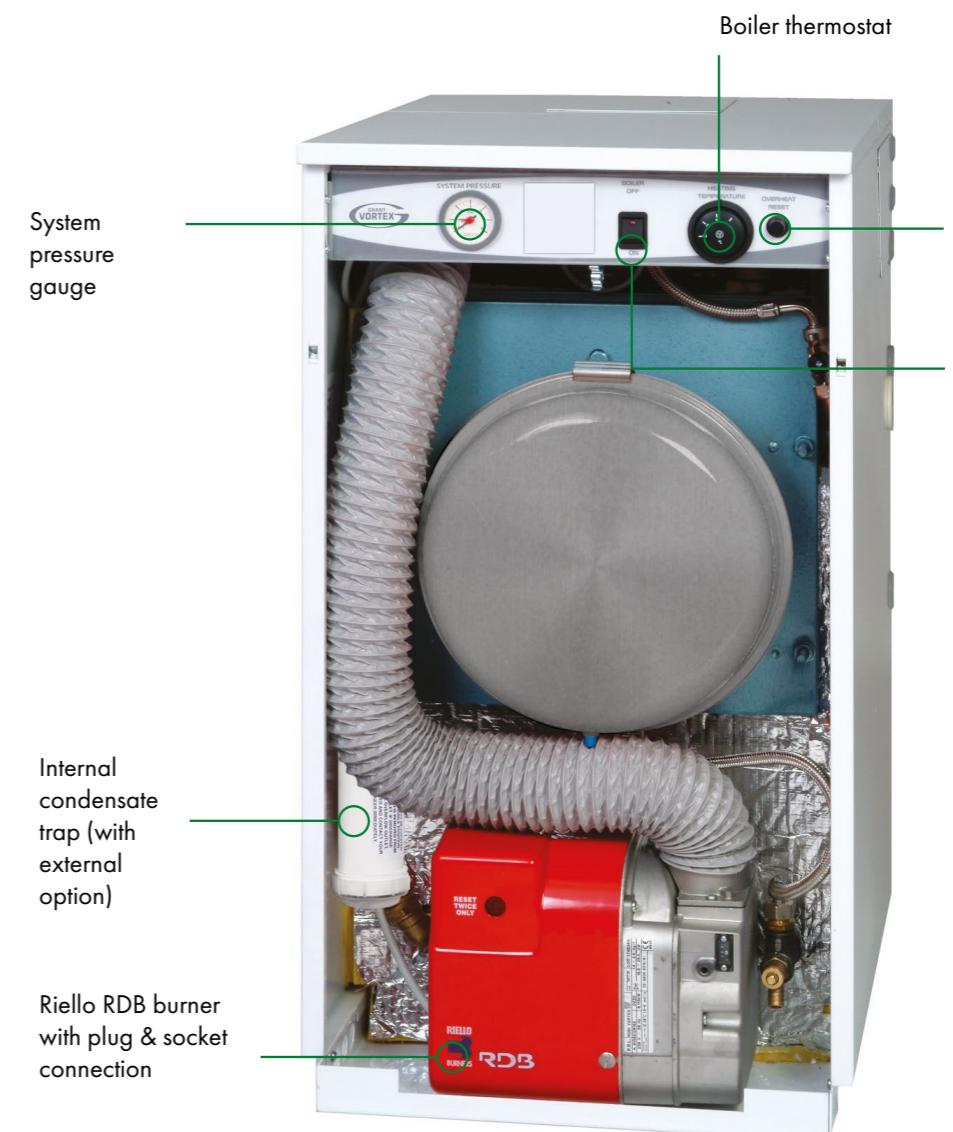
VTXS15/26 Vortex Pro Utility System 15-26kW  
VTXS26/36 Vortex Pro Utility System 26-36kW  
VTXS36/46 Vortex Pro Utility System 36-46kW

- 15kW – 46kW outputs available
- System pressure gauge display in control panel



\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTX15/21

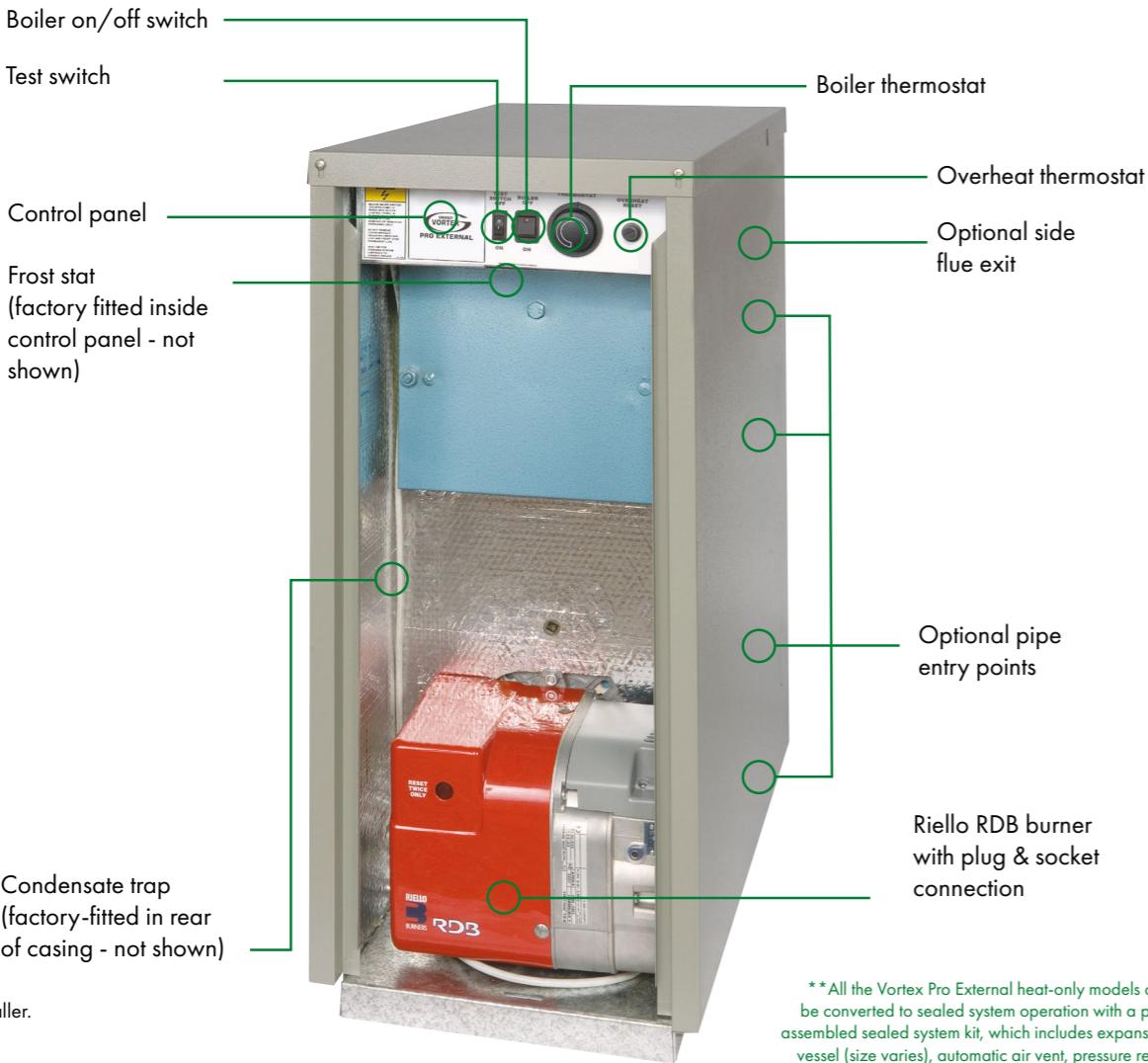


\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTXS15/26

# Vortex Pro External Range

The Vortex Pro External boilers incorporate all the high quality components featured in the Pro Utility Range within a powder coated external casing. Like the Pro Utility models, the Pro External boilers are exceptionally efficient and are some of the highest efficiency outdoor oil-fired boilers. When heating outputs of up to 70kW are required and the preferred boiler location is outside, the Vortex Pro External Range can deliver the solution.



\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTXOM15/21

## Models

VTXOM15/21 Vortex Pro External 15-21kW  
VTXOM15/26 Vortex Pro External 15-26kW  
VTXOM26/36 Vortex Pro External 26-36kW  
VTXOM36/46 Vortex Pro External 36-46kW  
VTXOM46/58 Vortex Pro External 46-58kW  
VTXOM58/70 Vortex Pro External 58-70kW

## Sealed System Kits

VTXOMSSKIT21 Vortex Pro External S/S Kit 15-21kW  
VTXOMSSKIT26 Vortex Pro External S/S Kit 15-26kW  
VTXOMSSKIT46 Vortex Pro External S/S Kit 26-46kW

- 15kW – 70kW outputs available
- Factory fitted frost stat and condensate trap
- Sealed system kits available for all models\*\*

# Vortex Boiler House Range

Featuring an externally mounted Riello RDB burner and dual thermostat, the Vortex Boiler House models are ideal for locations which are difficult to access and where a white cased utility boiler is not always the best solution. The Vortex Boiler House range encompass the same unique heat exchangers and turbulator baffle system used in Grant's other oil boilers. Consequently, Grant's Boiler House models have ultra-high efficiencies and low running costs.

## Models

VTXBH1521 Vortex Boiler House 15-21kW  
VTXBH2126 Vortex Boiler House 21-26kW  
VTXBH2635 Vortex Boiler House 26-35kW  
VTXBH3646 Vortex Boiler House 36-46kW  
VTXBH4658 Vortex Boiler House 46-58kW  
VTXBH5870 Vortex Boiler House 58-70kW

- 15kW – 70kW outputs available
- Distinctive red powder coated casing
- Compatible with all Grant EZ-Fit flue options and are flued in the same way as utility models



\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTXBH36/46

\*\*All the Vortex Pro External heat-only models can be converted to sealed system operation with a pre-assembled sealed system kit, which includes expansion vessel (size varies), automatic air vent, pressure relief valve and circulating pump. A filling loop and pressure gauge are also included and these can be fitted within the module casing or, ideally, in a convenient site within the property located between the cold main and central heating return.

# Vortex Pro Combi Range

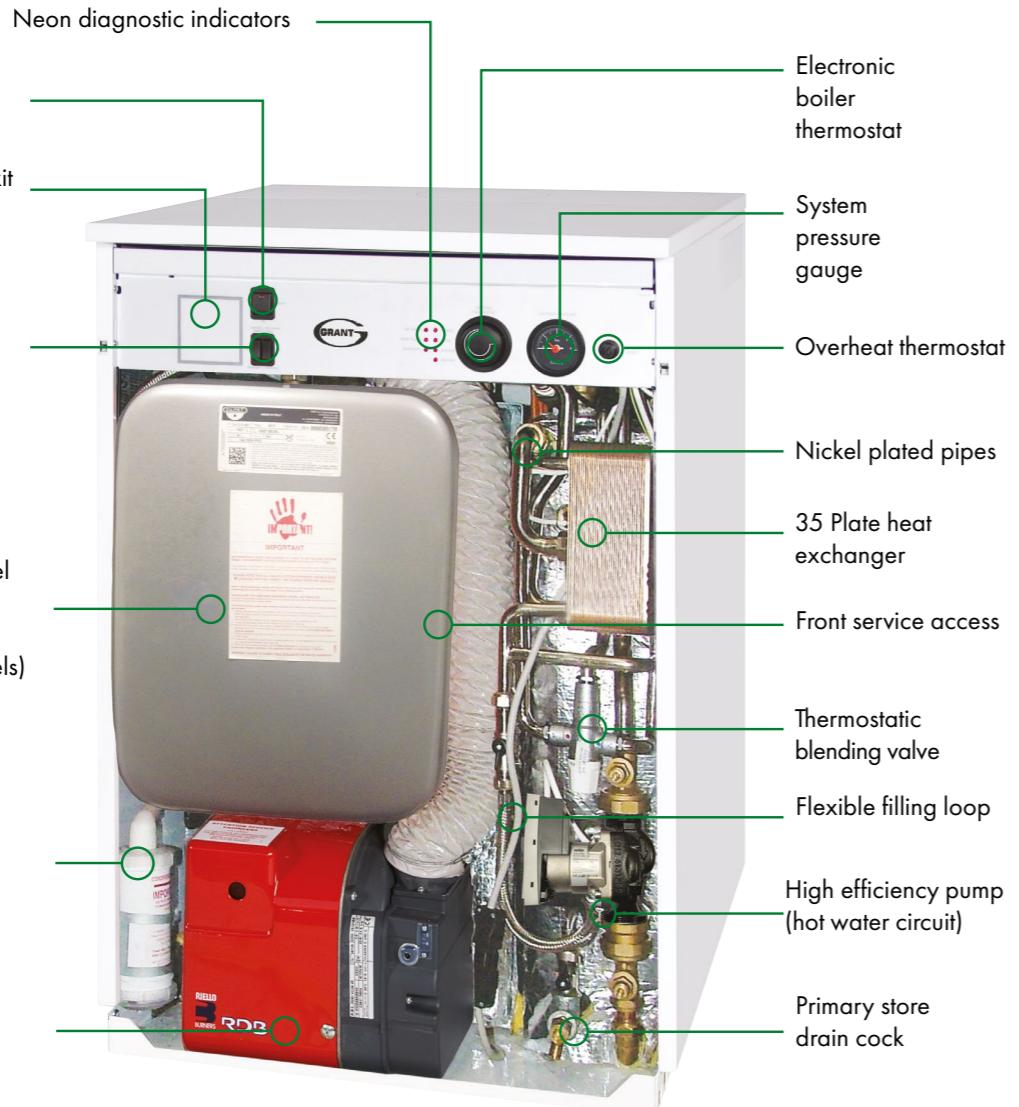
Grant's Vortex Pro Combi boilers have been designed to increase hot water performance effectively and efficiently due to their large heat exchangers and accurate electronic temperature controls. Each Pro Combi internal model can operate in condensing mode for central heating while also maintaining instant hot water production. Reliable in operation and easy to install and service, the Vortex Pro Combi boilers are a popular choice for homeowners and their installers.



## Models

VTXCOMBI21 Vortex Internal Combi 21kW  
VTXXSCOMBI26 Vortex Internal Combi XS 26kW  
VTXCOMBI26 Vortex Internal Combi 26kW  
VTXCOMBI36 Vortex Internal Combi 36kW

- 21kW, 26kW and 36kW outputs available
- Slimline 515mm wide 26kW model available
- 24 litre expansion vessel supplied as standard



\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTXCOMBI26

# Vortex Pro External Combi Range

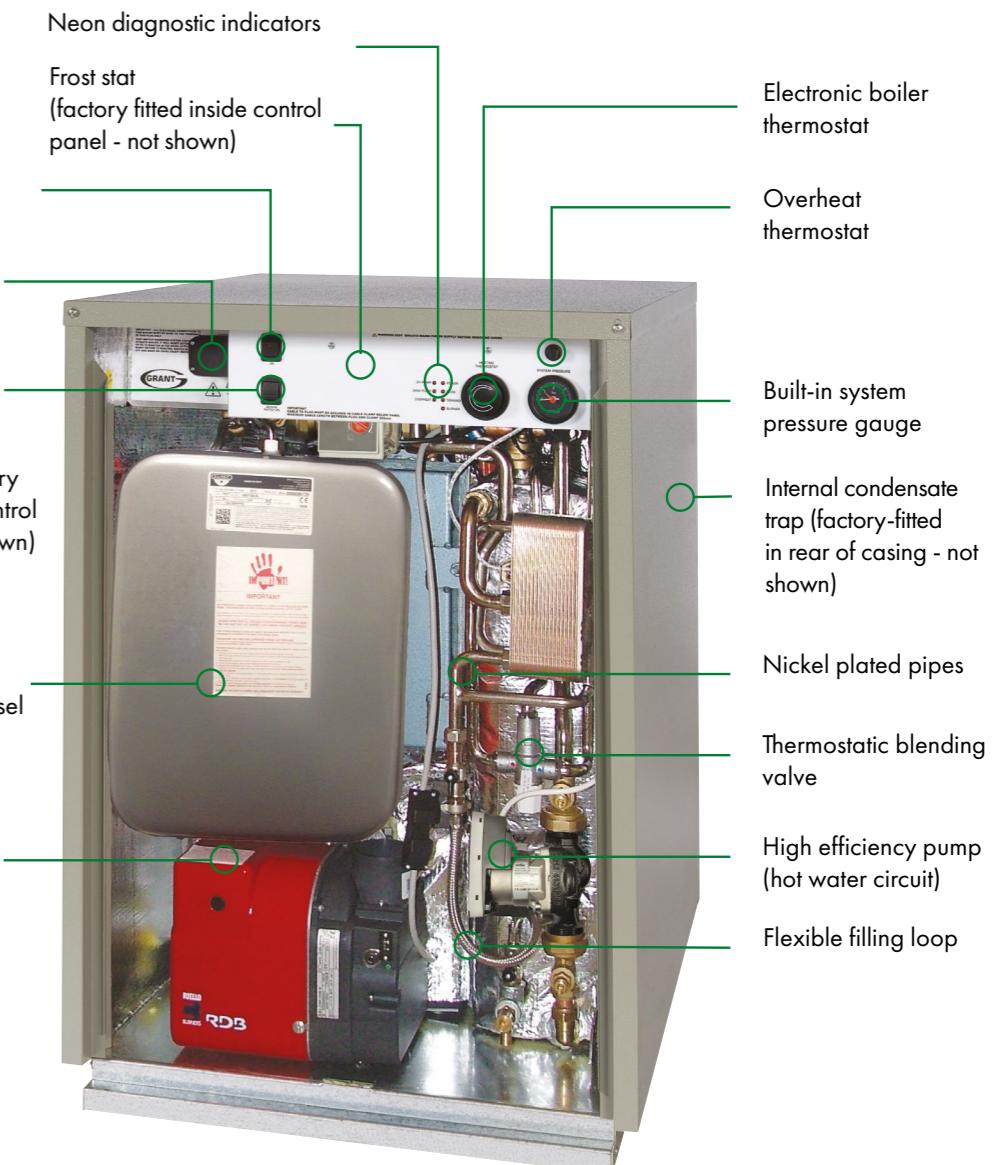
The Vortex Pro External Combi boiler range comprises of three models. Each external combination boiler from Grant is supplied with a 24ltr expansion vessel as well as neon diagnostic indicators to allow for easy operation. The Pro External Combis, which have larger than normal heat exchangers, deliver excellent hot water performances and are highly efficient.



## Models

VTXOMCOMBI21 Vortex External Combi 21kW  
VTXOMCOMBI26 Vortex External Combi 26kW  
VTXOMCOMBI36 Vortex External Combi 36kW

- 21kW, 26kW and 36kW outputs available
- High quality external powder coated paint finish
- Features two accurate electronic temperature controls allowing for condensing mode operation for central heating while also maintaining instant hot water production



\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTXOMCOMBI26



## VortexBlue Oil Boiler Range

Grant's VortexBlue condensing oil boilers have the same qualities as their Vortex counterpart models but with the added benefit of greener credentials. The VortexBlue models feature the latest Riello RDB BLU ultra-low NOx blue flame burner technology which has a specially designed blast tube. The combustion gases recirculate within this tube so that they mix with atomised droplets of fuel and fresh air to produce a distinct blue flame with incredibly low NOx emissions. While the burner technology is sophisticated, the VortexBlue heat only and combi boilers, available in internal and external versions, are installer friendly, simple to operate and highly efficient.

# VortexBlue Internal Range

The VortexBlue Internal oil-fired boiler range has been designed to suit kitchen and utility room installations. The boilers feature a sleek white casing, neon diagnostic indicators within the control panel, and a simplified pipework arrangement. With Grant's proven boiler technology, the VortexBlue Internal boilers deliver reliable, efficient operation with ultra-low NOx emissions.

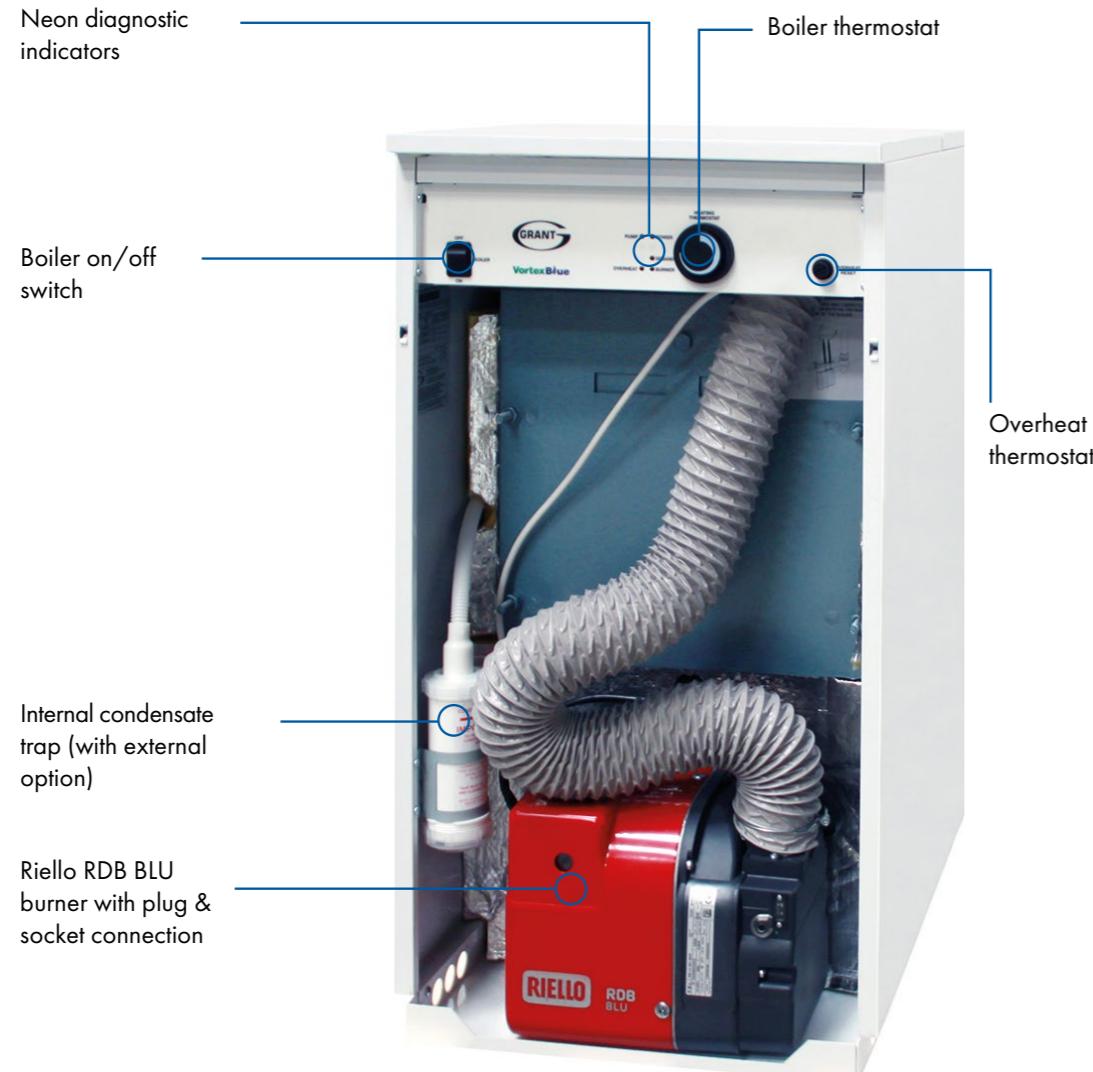
## Models

VTXBF21 VortexBlue Internal 15-21kW  
VTXBF26 VortexBlue Internal 21-26kW  
VTXBF36 VortexBlue Internal 26-36kW

- 15kW - 36kW outputs available
- Designed for straightforward installation, maintenance and servicing
- Compatible with Grant's EZ-Fit flue systems



year  
guarantee\*



\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTXBF26

# VortexBlue Internal System Range

All three VortexBlue Internal boilers are available in sealed system versions. Each VortexBlue Internal System model is supplied with a factory fitted expansion vessel, filling loop, pressure gauge, automatic air vent, pressure relief valve and high efficiency circulating pump. These system boilers are designed for simple installation and reliable, cleaner burning operation.

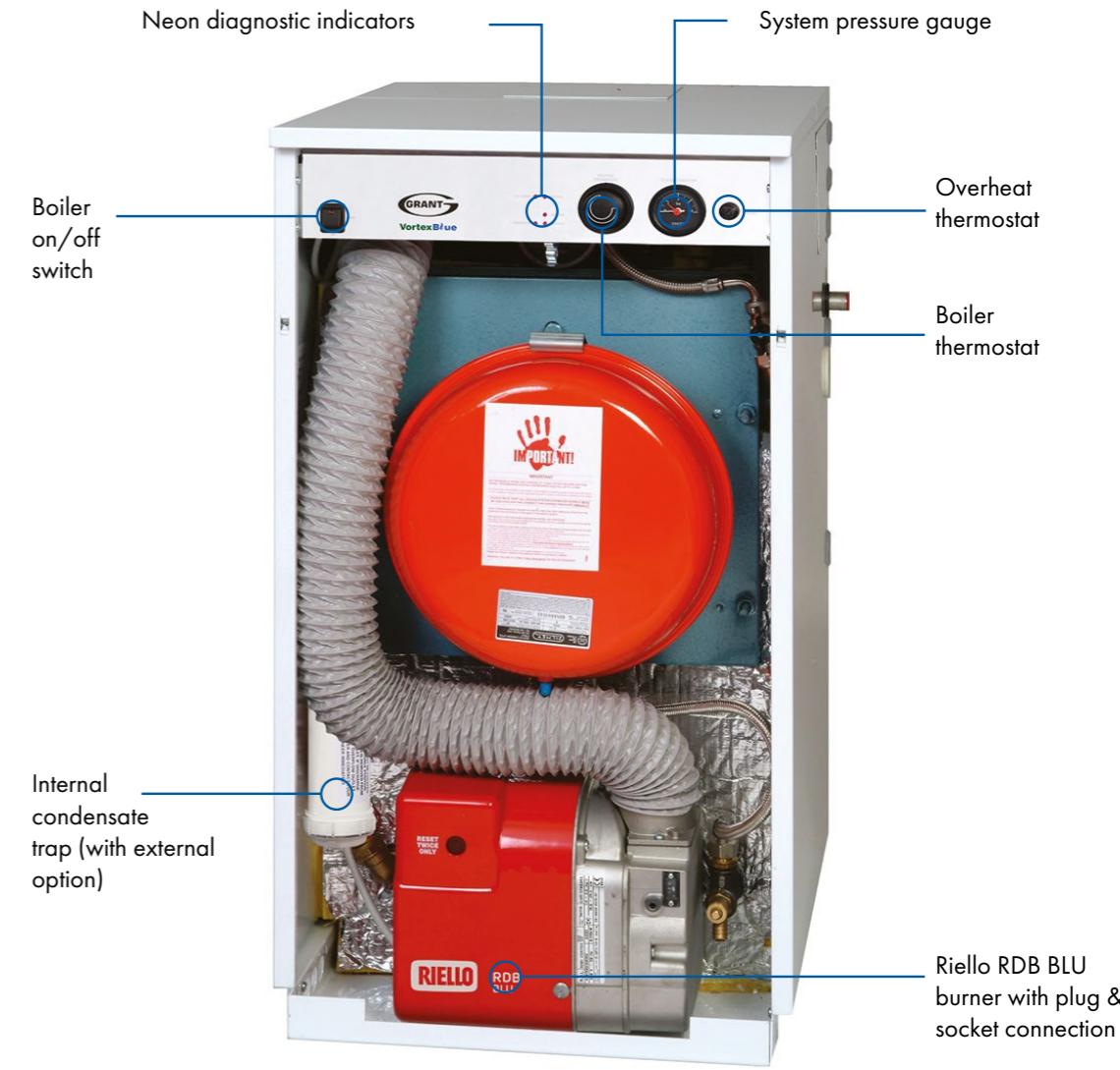
## Models

VTXSBF21 VortexBlue Internal System 15-21kW  
VTXSBF26 VortexBlue Internal System 21-26kW  
VTXSBF36 VortexBlue Internal System 26-36kW

- 15kW - 36kW outputs available
- No need for a feed and expansion tank in the loft
- System pressure gauge display in control panel



year  
guarantee\*



\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTXSBF26

# VortexBlue External Range

Grant's VortexBlue External boilers achieve incredible operating efficiencies. Featuring a high quality external powder coated paint finish, built in frost protection, mains isolating switch and test switch, the VortexBlue External models are designed for durability while also incorporating the sophisticated ultra-low NOx burner. With a choice of three models available, a VortexBlue External boiler is the ideal solution when space within the home is limited.



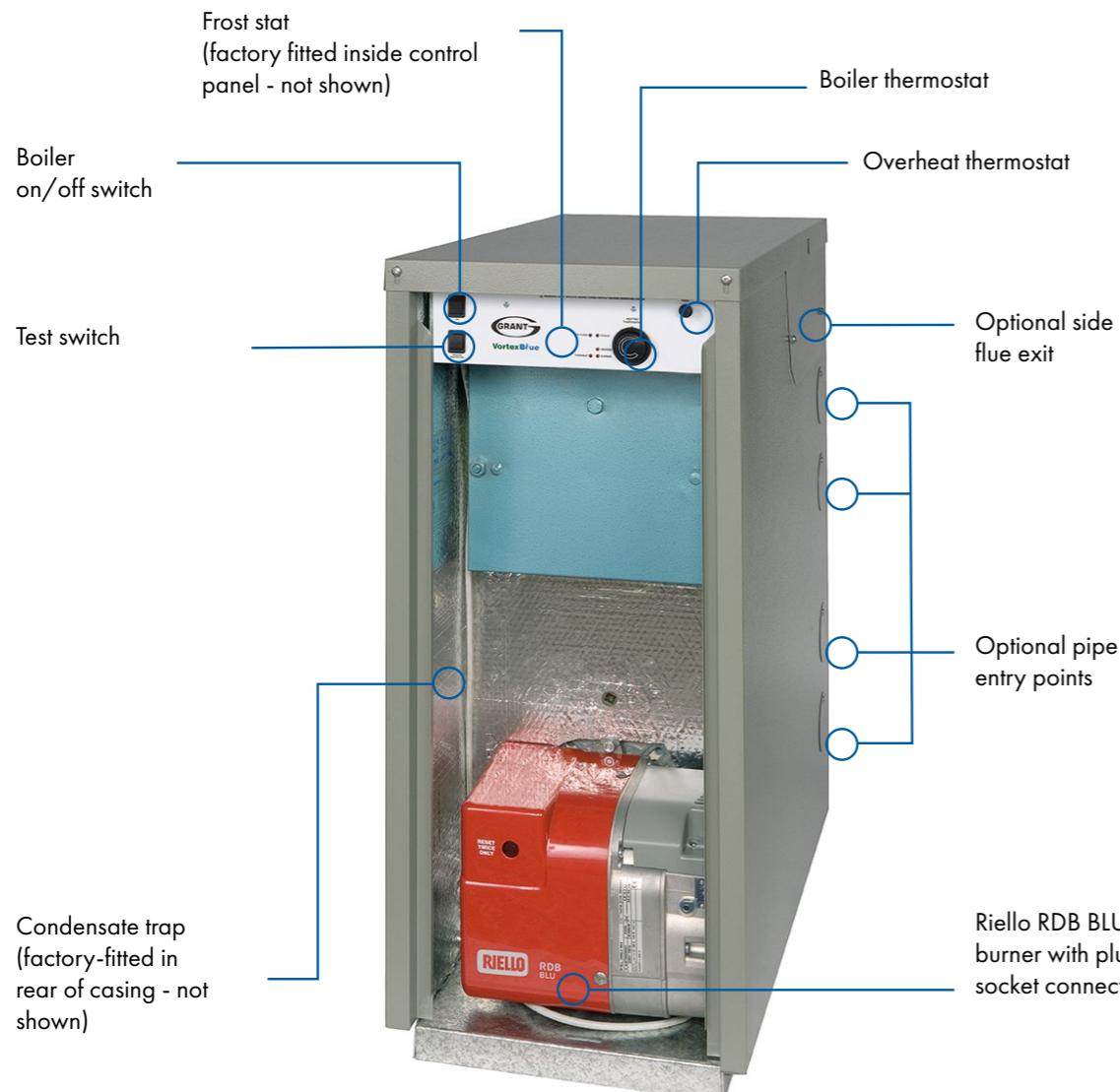
## Models

VTXBFIOM21 VortexBlue External 15-21kW  
VTXBFIOM26 VortexBlue External 21-26kW  
VTXBFIOM36 VortexBlue External 26-36kW

## Sealed System Kits

VTXOMSSKIT26 Vortex Pro External S/S Kit 21-26kW  
VTXOMSSKIT36 Vortex Pro External S/S Kit 36kW

- 15kW - 36kW outputs available
- Factory fitted multi-directional flue supplied as standard
- Sealed system kits available for all models\*



\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTXBFOM26

\*All the VortexBlue External heat-only models can be converted to sealed system operation with a pre-assembled sealed system kit, which include expansion vessel (size varies), automatic air vent, pressure relief valve and circulating pump. A filling loop and pressure gauge are also included and these can be fitted within the module casing or, ideally, in a convenient site within the property located between the cold main and central heating return.

# VortexBlue External Combi Range

Similar to the Vortex Pro Combis, Grant's VortexBlue External Combi boilers have large heat exchangers and accurate electronic temperature controls. These features allow the boilers to greatly increase their hot water performances as well as maintaining instant hot water production during condensing mode in central heating. Teaming Grant's patented technologies with Riello's ultra-low NOx burner enables the VortexBlue External Combis to deliver heating and hot water efficiently and sustainably.



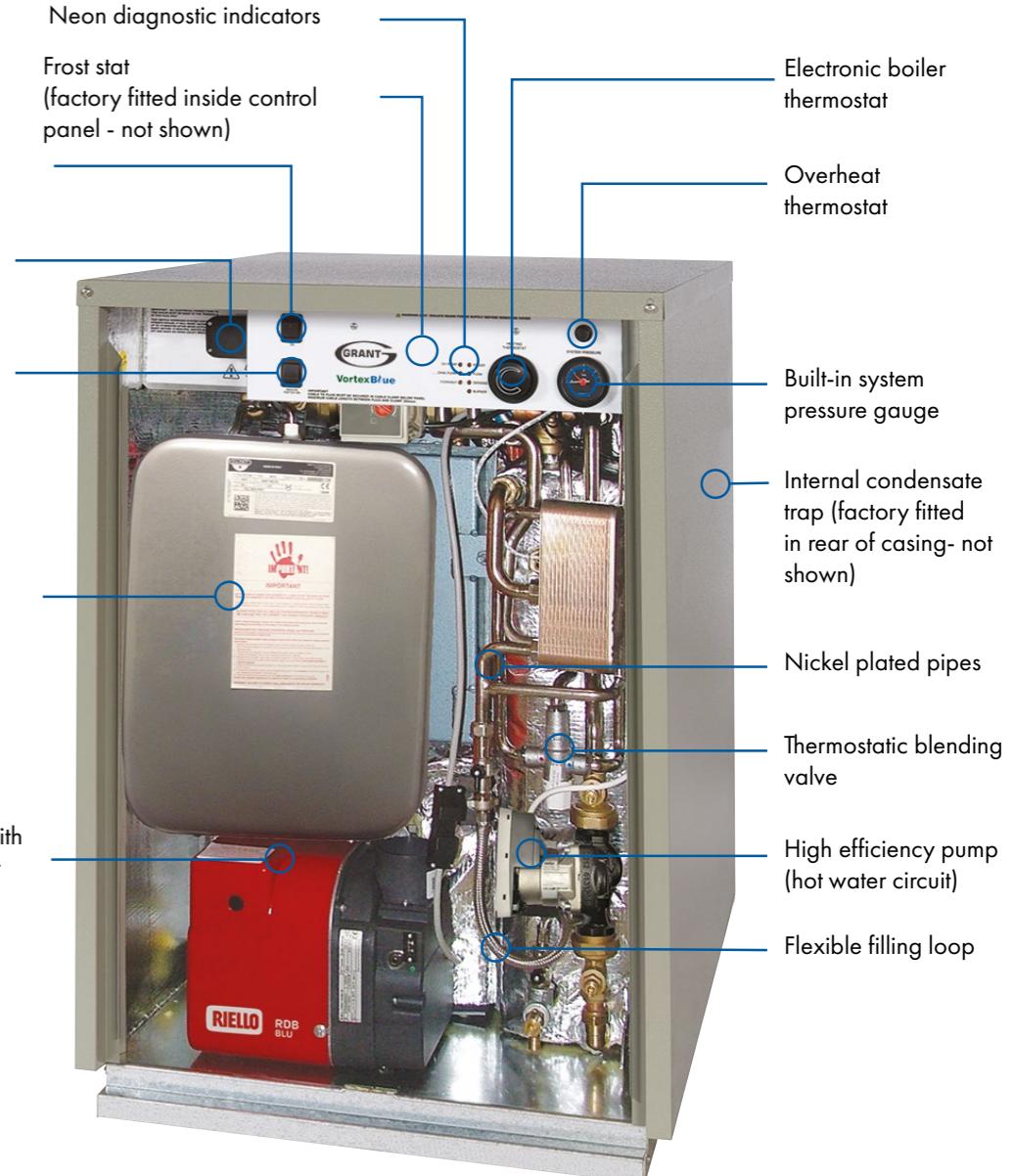
\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTXBFOMCOM26

## Models

VTXBFIOMCOM21 VortexBlue External Combi 21kW  
VTXBFIOMCOM26 VortexBlue External Combi 26kW  
VTXBFIOMCOM36 VortexBlue External Combi 36kW

- 21kW, 26kW and 36kW outputs available
- 24 litre expansion vessel supplied as standard
- Factory fitted multi-directional flue included

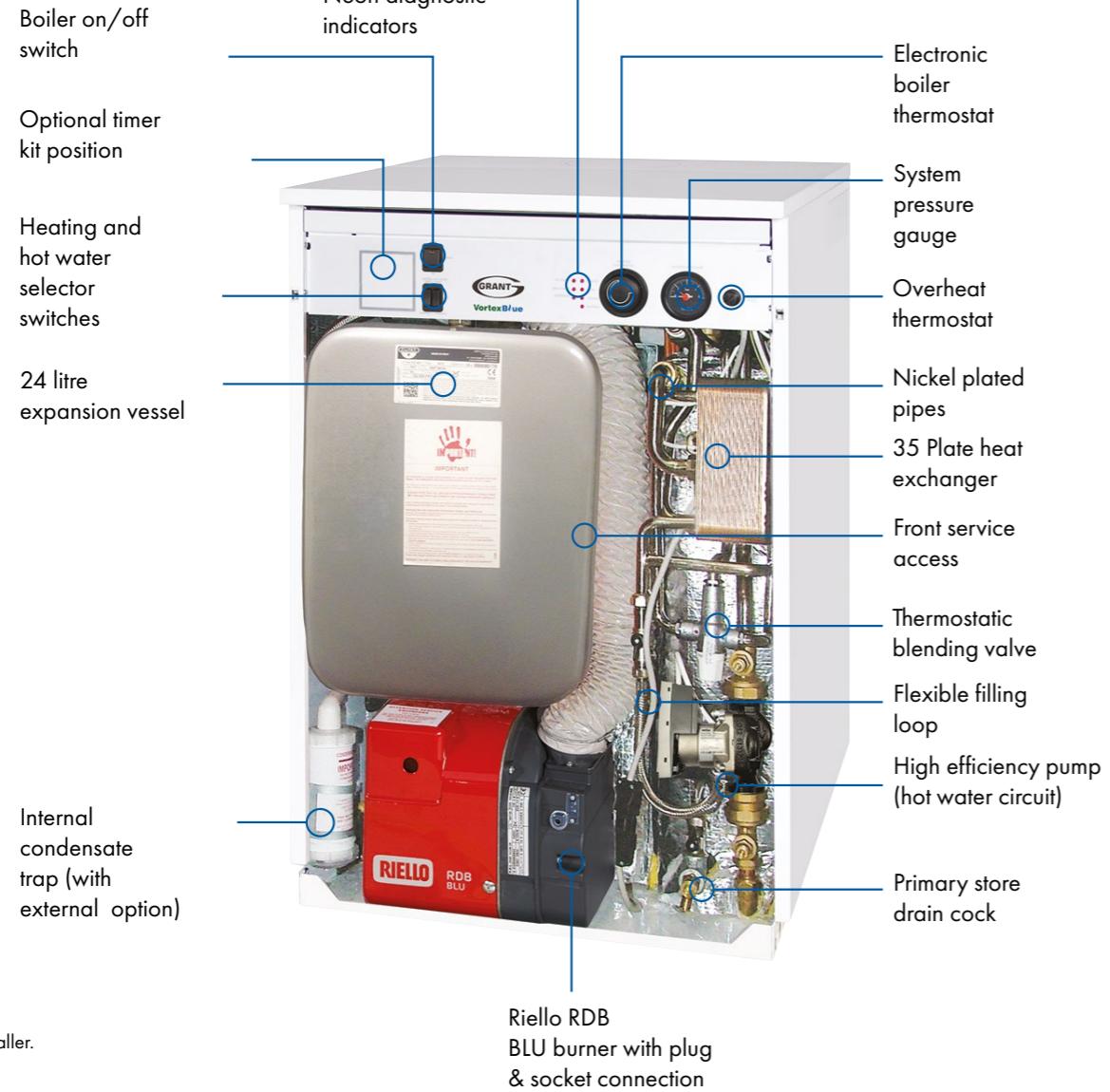


# VortexBlue Internal Combi Range

Featuring three white cased models, the VortexBlue Internal Combi range is designed to meet a home's heating and hot water requirements effectively. A 24ltr expansion vessel is supplied as standard and each VortexBlue Internal Combi model features large heat exchangers which have low water content and a larger surface area, greatly increasing the hot water performance. The highly efficient VortexBlue Internal Combis can help homeowners lower both their fuel bills and emissions.



10  
year  
guarantee\*



\*When installed by a G1 Installer.  
Subject to full T&C's.

Model shown: VTXBFCOMBI26

## Models

VTXBFCOMBI21 VortexBlue Internal Combi 21kW  
VTXBFCOMBI26 VortexBlue Internal Combi 26kW  
VTXBFCOMBI36 VortexBlue Internal Combi 36kW

- 21kW, 26kW and 36kW outputs available
- Features two accurate electronic temperature controls allowing for central heating while also maintaining instant hot water production
- Neon diagnostic indicators for user-friendly operation

# Mag One Central Heating Filter

The Mag One is the perfect solution to prevent breakdowns caused by both magnetic and non-ferrous particulate in the central heating system.

Using a simple to install, triple action filtration design, the Mag One filters magnetite and nonferrous debris from central heating systems with a 12,000 gauss neodymium magnet. The unit is also compatible with all system inhibitors and glycol solutions.

One Mag One filter provides innovative protection for up to 36kW. For larger systems you can fit two Mag One filters in a parallel circuit.

## Models

VM01/x Mag One Central Heating Magnetic Filter 22-28mm  
VM04 Mag One Fill and Flush Connector Kit

- Simple to install, easy to clean and drain
- 12000 gauss neodymium magnet
- 28mm chrome isolation valves with 22mm reducers
- 360° installation



VM04 fill and flush connector kit

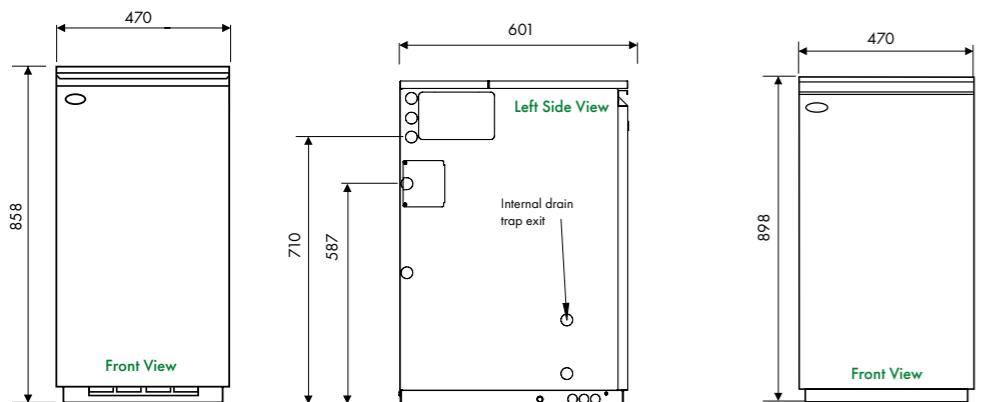


New and improved design

## Vortex Eco Utility Range Technical Specifications

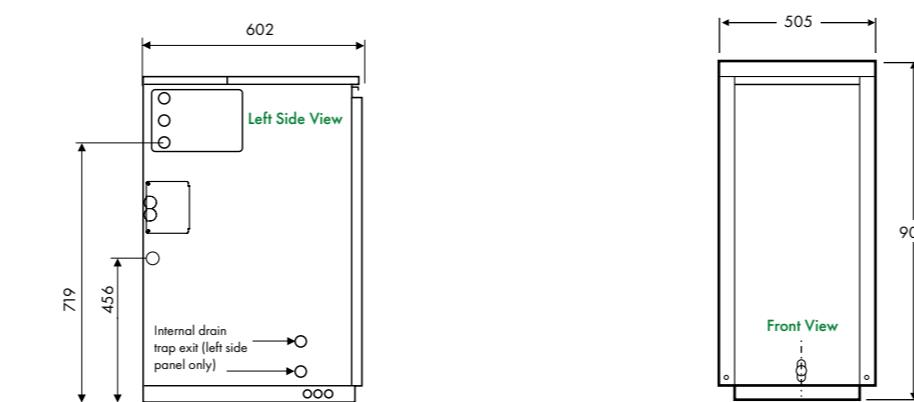
Model	Output kW	Output Btu/h	Set Output kW	Flow Connection mm	Return Connection mm	Cold Water In mm	Pressure Relief mm	Weight (dry) kg
VTXECO15/21	15 - 21	50 - 70,000	21	22	22	n/a	n/a	97
VTXECO21/26	21 - 26	70 - 90,000	23.5	22	22	n/a	n/a	97
VTXECO26/35	26 - 35	90 - 120,000	31	22	22	n/a	n/a	127
VTXSECO15/21	15 - 21	50 - 70,000	21	22	22	15	15	123
VTXSECO21/26	21 - 26	70 - 90,000	23.5	22	22	15	15	123
VTXSECO26/35	26 - 35	90 - 120,000	31	22	22	15	15	138

Dimensions (mm)



Vortex Eco 15-21, 21-26kW Utility and System

Dimensions (mm)

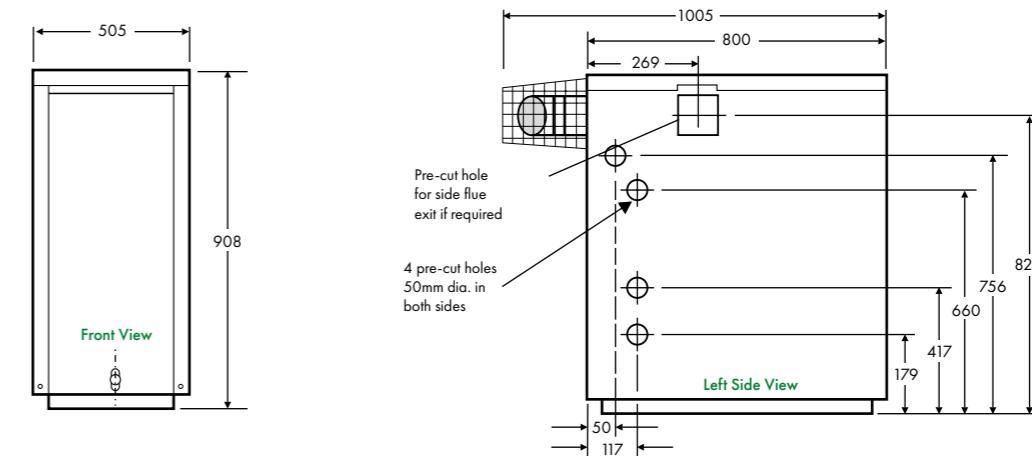


Vortex Eco 26-35kW Utility and System

## Vortex Eco External Range Technical Specifications

Model	Output kW	Output Btu/h	Set Output kW	Flow Connection mm	Return Connection mm	Cold Water In mm	Pressure Relief mm	Weight (dry) kg
VTXOMEKO15/21	15 - 21	50 - 70,000	21	22	22	n/a	n/a	113
VTXOMEKO21/26	21 - 26	70 - 90,000	23.5	22	22	n/a	n/a	113
VTXOMEKO26/35	26 - 35	90 - 120,000	31	22	22	n/a	n/a	142
VTXSOMEKO15/21	15 - 21	50 - 70,000	21	22	22	15	15	136
VTXSOMEKO21/26	21 - 26	70 - 90,000	23.5	22	22	15	15	136
VTXSOMEKO26/35	26 - 35	90 - 120,000	31	22	22	15	15	152

Dimensions (mm)



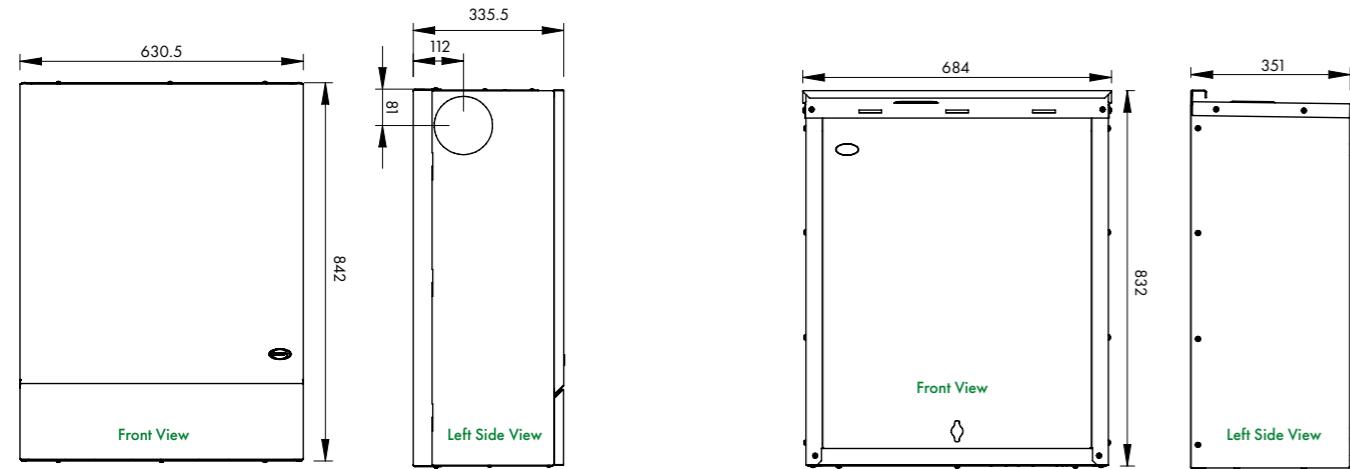
Vortex Eco 15-21, 21-26, 26-35kW External and External System



## Vortex Eco Wall Hung Range Technical Specifications

Model	Output kW	Output Btu/h	Set Output kW	Flow Connection mm	Return Connection mm	Cold Water In mm	Pressure Relief mm	Weight (dry) kg
VTXWH12/16	12 - 16	40 - 55,000	14	22	22	n/a	n/a	91.1
VTXWH16/21	16 - 21	55 - 70,000	18.7	22	22	n/a	n/a	91.1
VTXSWH12/16	12 - 16	40 - 55,000	14	22	22	15	15	98
VTXSWH16/21	16 - 21	55 - 70,000	18.7	22	22	15	15	98
VTXOMWH12/16	12 - 16	40 - 55,000	14	22	22	n/a	n/a	92.4
VTXOMWH16/21	16 - 21	55 - 70,000	18.7	22	22	n/a	n/a	92.4
VTXSOMWH12/16	12 - 16	40 - 55,000	14	22	22	15	15	99.3
VTXSOMWH16/21	16 - 21	55 - 70,000	18.7	22	22	15	15	99.3

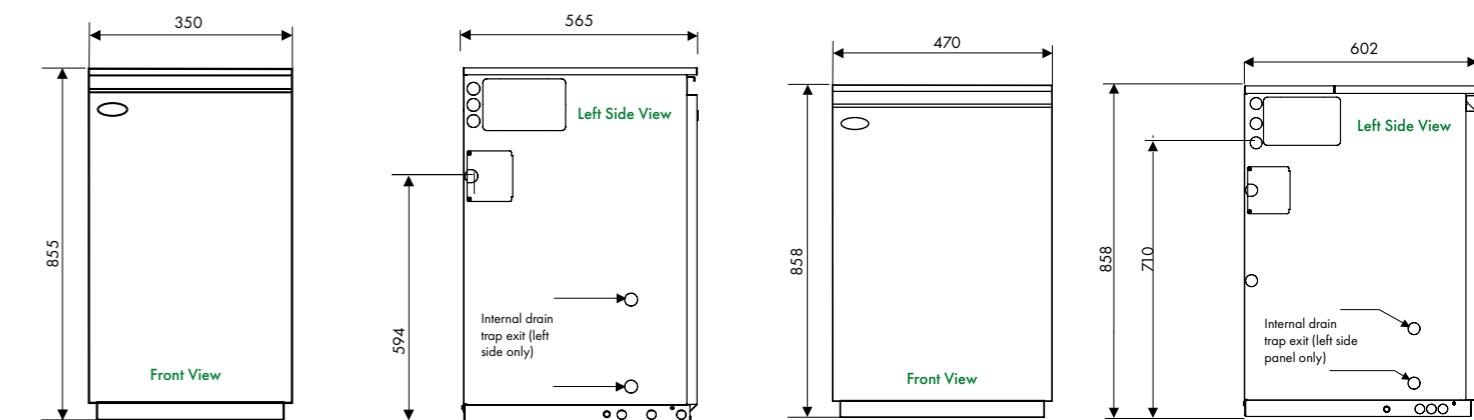
Dimensions (mm)



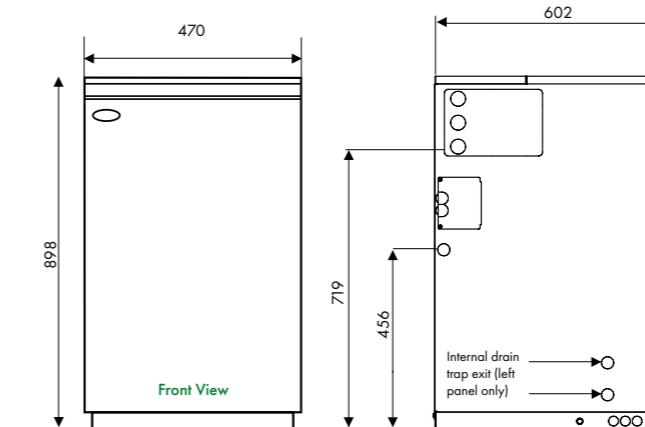
## Vortex Pro Utility Range Technical Specifications

Model	Output kW	Output Btu/h	Set Output kW	Flow Connection mm	Return Connection mm	Cold Water In mm	Pressure Relief mm	Weight (dry) kg
VTX15/21	15 - 21	50 - 70,000	21	22	22	n/a	n/a	97
VTX15/26	15 - 26	50 - 90,000	21	22	22	n/a	n/a	130
VTX26/36	26 - 36	90 - 123,000	31	28	28	n/a	n/a	144
VTX36/46	36 - 46	123 - 157,000	41	28	28	n/a	n/a	144
VTX46/58	46 - 58	157 - 200,000	52	1 1/4" BSP	1 1/4" BSP	n/a	n/a	268
VTX58/70	58 - 70	200 - 240,000	64	1 1/4" BSP	1 1/4" BSP	n/a	n/a	282
VTXS15/26	15 - 26	50 - 70,000	21	22	22	15	15	138
VTXS26/36	26 - 36	50 - 90,000	31	28	28	15	15	167
VTXS36/46	36 - 46	90 - 123,000	41	28	28	15	15	168

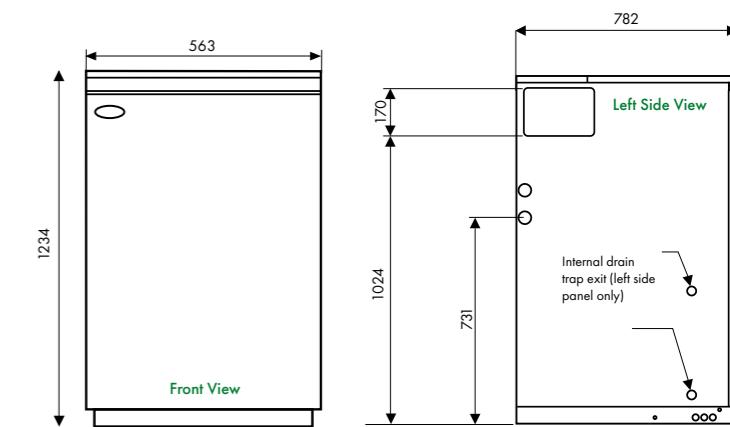
Dimensions (mm)



Vortex Pro 15-21kW Utility



Vortex Pro 15-26kW Utility and System



Vortex Eco Wall Hung 12-16, 16-21kW Internal

Vortex Eco Wall Hung 12-16, 16-21kW External

Vortex Pro 26-36, 36-46kW Utility and System

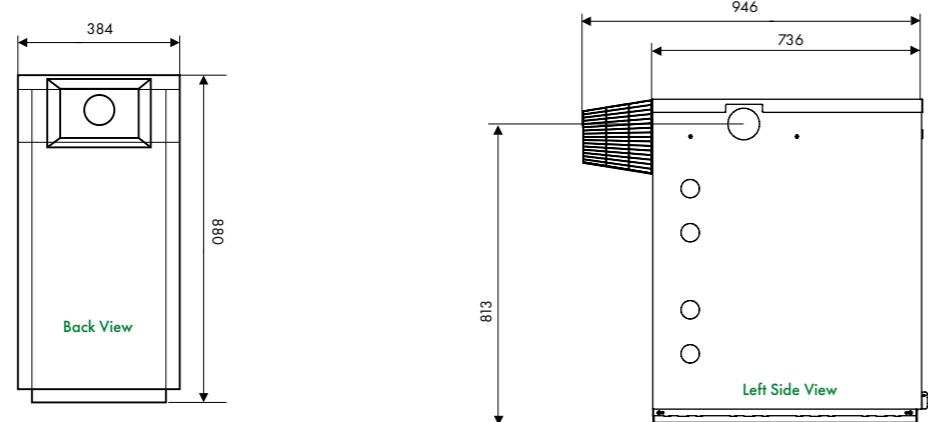
Vortex Pro 46-58, 58-70kW Utility and System

## Vortex Pro External Range Technical Specifications

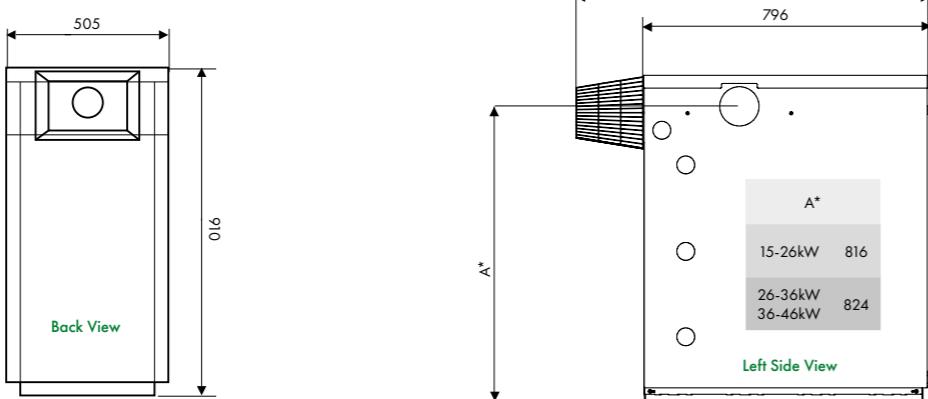
Model	Output kW	Output Btu/h	Set Output kW	Flow Connection mm	Return Connection mm	Cold Water In (system kit) mm	Pressure Relief mm	Weight (dry) kg
VTXOM15/21	15 - 21	50 - 70,000	21	22	22	15	15	109
VTXOM15/26	15 - 26	50 - 90,000	21	22	22	15	15	143
VTXOM26/36	26 - 36	90 - 123,000	31	28	28	15	15	162
VTXOM36/46	36 - 46	123 - 157,000	41	28	28	15	15	162
VTXOM46/58	46 - 58	157 - 200,000	52	1 1/4" BSP	1 1/4" BSP	15	15	274
VTXOM58/70	58 - 70	200 - 240,000	64	1 1/4" BSP	1 1/4" BSP	15	15	288

## Dimensions (mm)

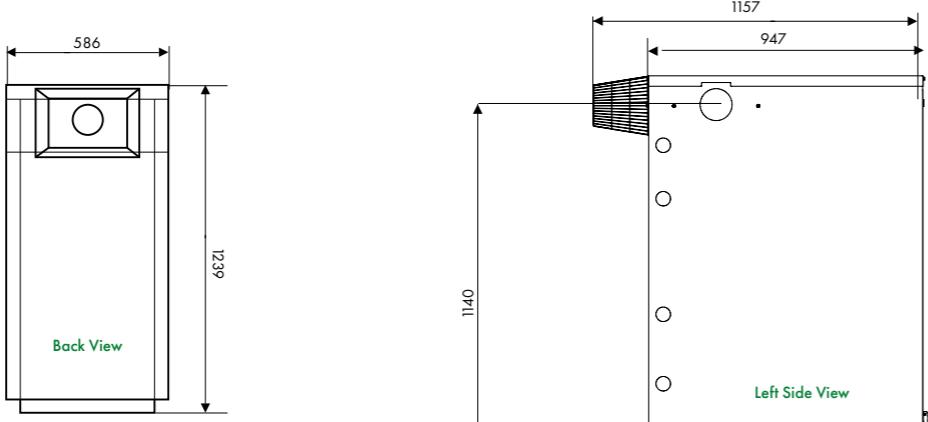
Vortex Pro External  
15-21kW



Vortex Pro External  
15-26, 26-36, 36-46kW



Vortex Pro External  
46-58, 58-70kW



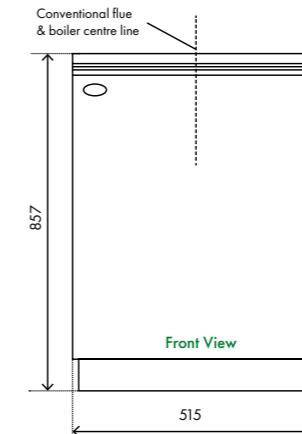
## Vortex Pro Combi Range Technical Specifications

Model	Output kW	Output Btu/h	Set Output kW	Flow Connection mm	Return Connection mm	Cold Water In mm	Pressure Relief mm	Weight (dry) kg	Typical Hot Water Performance * L/min	Approx recovery time ** min
VTXCOMBI21	21	70,000	21	22	22	15	15	160	12	4
VTXXSCOMBI26	26	90,000	26	22	22	15	15	165	15	4
VTXCOMBI26	26	90,000	26	22	22	15	15	177	15	4
VTXCOMBI36	36	123,000	36	28	28	22	15	200	20	3
VTXOMCOMBI21	21	70,000	21	22	22	15	15	181	12	4
VTXOMCOMBI26	26	90,000	26	22	22	15	15	206	15	4
VTXOMCOMBI36	36	123,000	36	28	28	22	15	225	20	3

\*Hot water flow rate is dependent on mains pressure available. Figures are based upon an incoming mains water temperature of 10°C \*\* Based upon 100 litre draw off.

## Dimensions (mm)

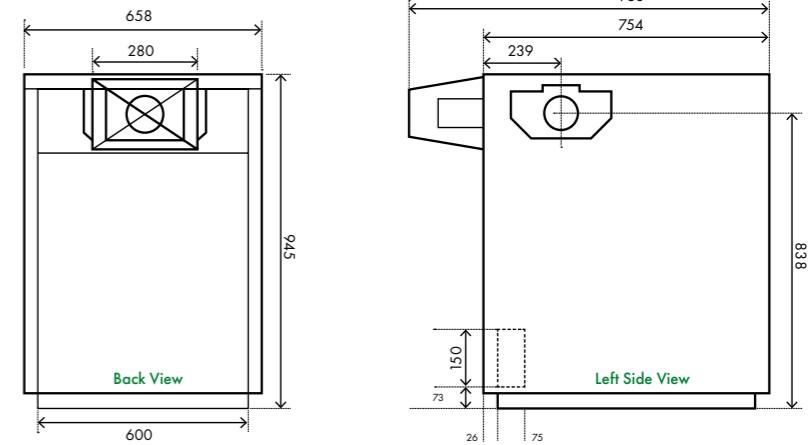
Vortex Pro Combi  
26XS



Vortex Pro Combi  
21kW, 26kW, 36kW



Vortex Pro Combi External  
21kW, 26kW, 36kW

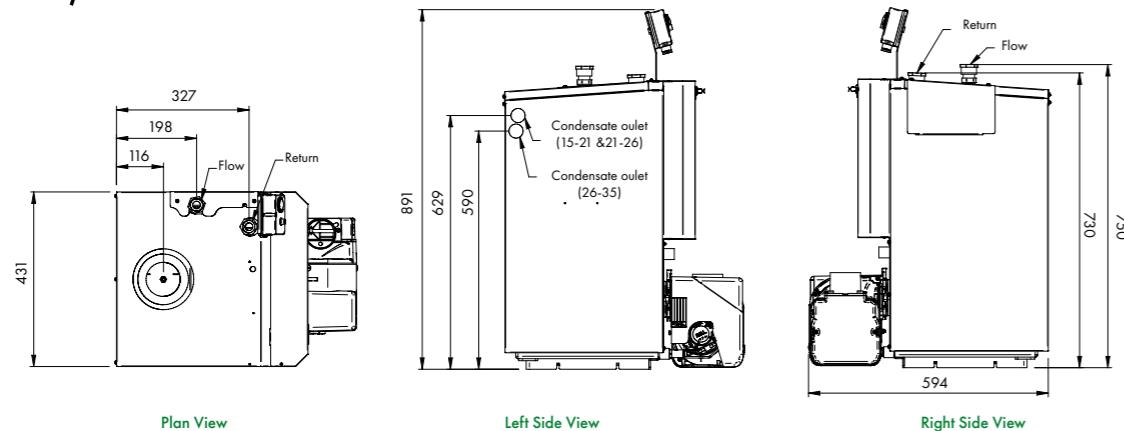


## Vortex Boiler House Range Technical Specifications

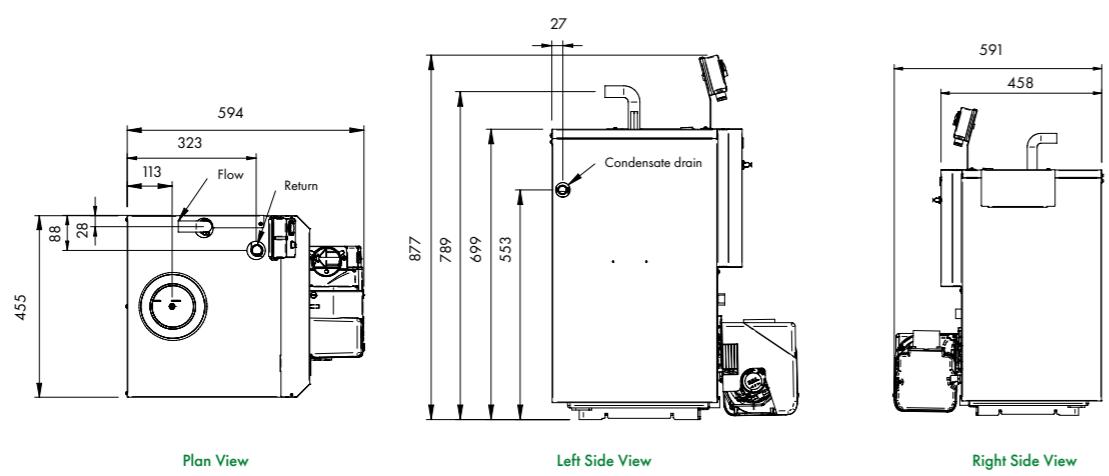
Model	Output kW	Output Btu/h	Set Output kW	Flow Connection mm	Return Connection mm	Cold Water In mm	Pressure Relief mm	Weight (dry) kg
VTXBH1521	15-21	50 - 70,000	21	1" BSP	1" BSP	n/a	n/a	125
VTXBH2126	21-26	70 - 90,000	23.5	1" BSP	1" BSP	n/a	n/a	125
VTXBH2635	26-35	90 - 120,000	31	1" BSP	1" BSP	n/a	n/a	143
VTXBH3646	36-46	123 - 157,000	41	28mm	1" BSP	n/a	n/a	145
VTXBH4658	46-58	157 - 200,000	52	1¼" BSP	1¼" BSP	n/a	n/a	257
VTXBH5870	58-70	200 - 240,000	64	1¼" BSP	1¼" BSP	n/a	n/a	301

## Dimensions (mm)

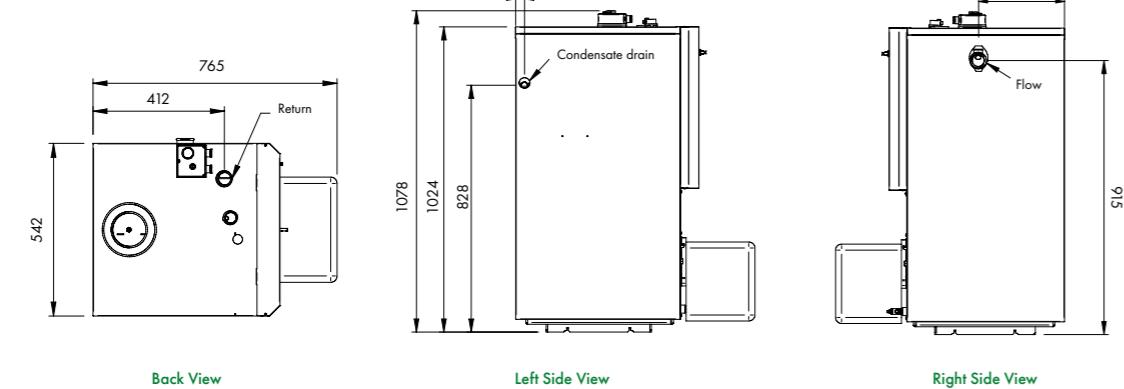
Vortex Boiler House  
15-21, 21-26, 26-35kW



Vortex Boiler House  
36-46kW



Vortex Boiler House  
46-58, 58-70kW

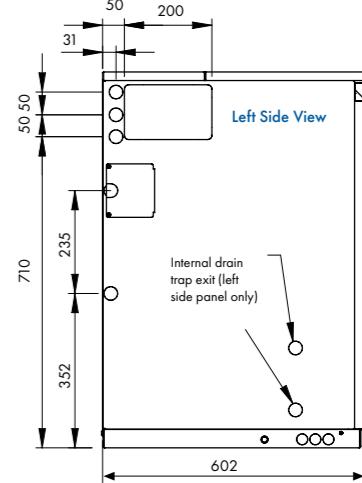
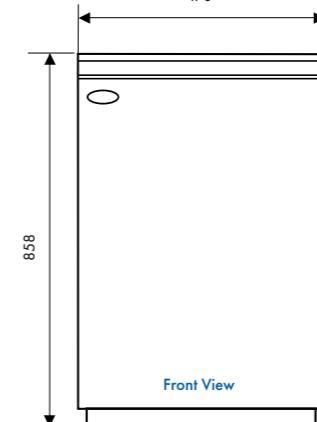


## VortexBlue Internal Range Technical Specifications

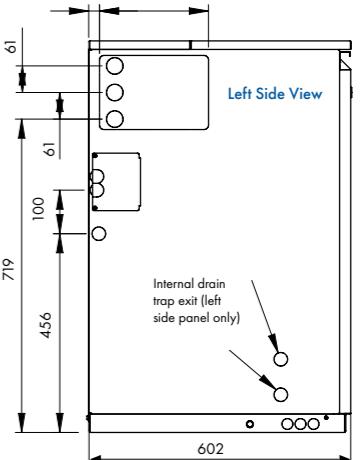
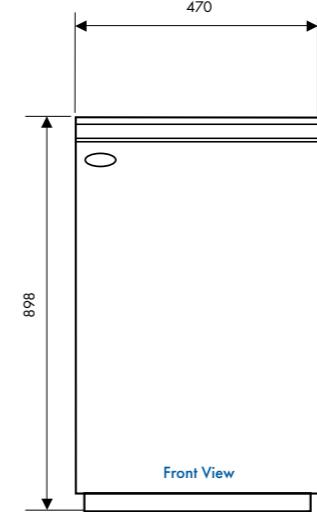
Model	Output kW	Output Btu/h	Set Output kW	Flow Connection mm	Return Connection mm	Cold Water In mm	Pressure Relief mm	Weight (dry) kg
VTXBF21	15-21	50 - 70,000	21	22	22	n/a	n/a	130
VTXBF26	21-26	70 - 90,000	26	22	22	n/a	n/a	130
VTXBF36	26-36	90 - 123,000	31.5	28	28	n/a	n/a	144
VTXSBF21	15-21	50 - 70,000	21	22	22	15	15	130
VTXSBF26	21-26	70 - 90,000	26	22	22	15	15	130
VTXSBF36	26-36	90 - 123,000	31.5	28	28	15	15	144

## Dimensions (mm)

VortexBlue Internal & System  
21, 26kW



VortexBlue Internal & System  
36kW

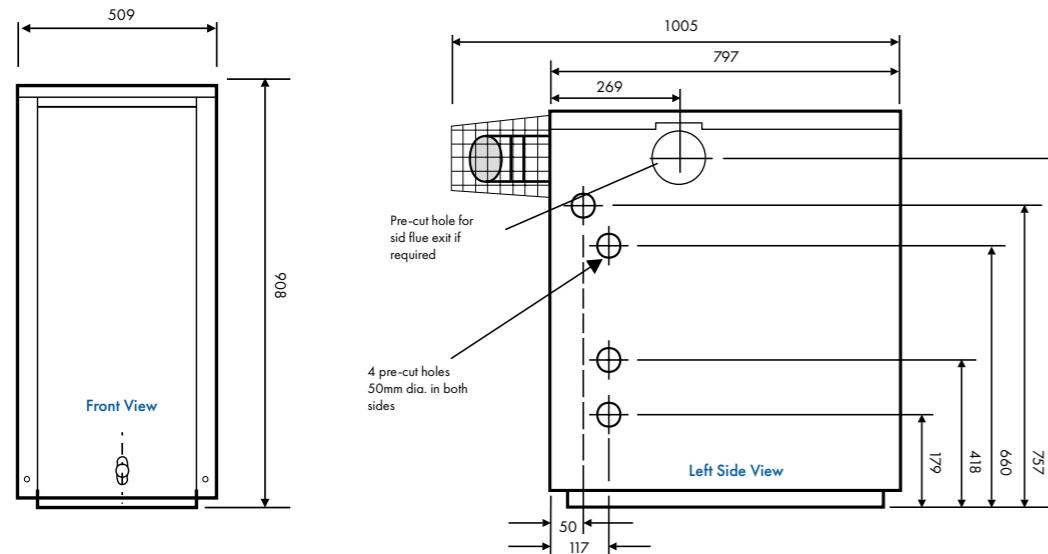


## VortexBlue External Range Technical Specifications

Model	Output	Output	Set Output	Flow Connection	Return Connection	Cold Water In	Pressure Relief	Weight (dry)
	kW	Btu/h	kW	mm	mm	mm	mm	kg
VTXBFIOM21	15-21	50 - 70,000	21	22	22	15	15	143
VTXBFIOM26	21-26	70 - 90,000	26	22	22	15	15	143
VTXBFIOM36	26-36	90 - 123,000	31.5	28	28	15	15	162

## Dimensions (mm)

VortexBlue External  
15-21, 21-26, 26-35kW



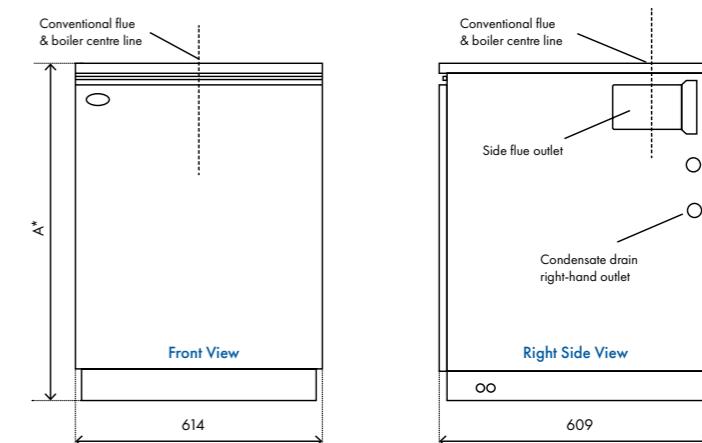
## VortexBlue Combi Range Technical Specifications

Model	Output	Output	Set Output	Flow Connection	Return Connection	Cold Water In	Pressure Relief	Weight (dry)	Typical Hot Water Performance *	Approx recovery time **
	kW	Btu/h	kW	mm	mm	mm	mm	kg	L/min	min
VTXBFCOMBI21	21	70,000	21	22	22	15	15	160	12	4
VTXBFCOMBI26	26	90,000	26	22	22	15	15	177	15	4
VTXBFCOMBI36	36	123,000	36	28	28	22	22	200	20	3
VTXBFIOMCOMBI21	21	70,000	21	22	22	15	15	181	12	4
VTXBFIOMCOMBI26	26	90,000	26	22	22	15	15	206	15	4
VTXBFIOMCOMBI36	36	123,000	36	28	28	22	22	225	20	3

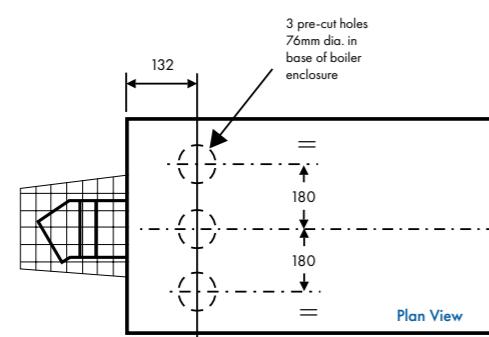
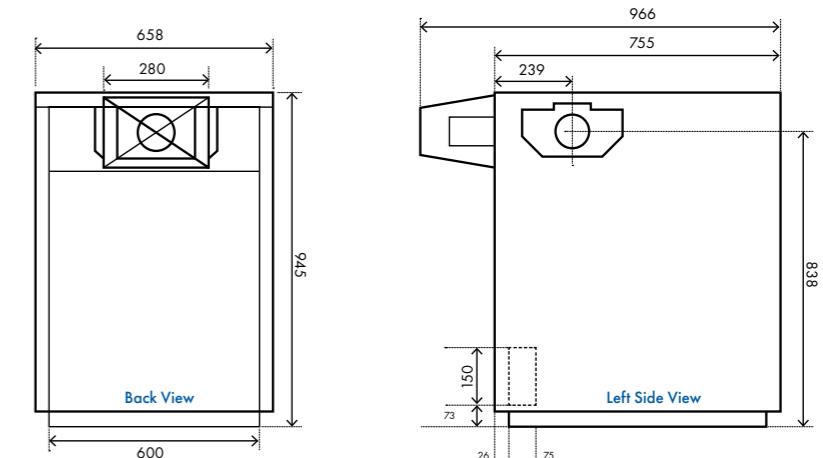
\*Hot water flow rate is dependent on mains pressure available. Figures are based upon an incoming mains water temperature of 10°C \*\* Based upon 100 litre draw off.

## Dimensions (mm)

VortexBlue Combi Internal  
21, 26, 36kW



VortexBlue Combi External  
21, 26, 36kW



## Energy Management Range

Heating controls can affect system performance and efficiency. The correct control system not only makes it easier to maintain a more comfortable temperature within the home, but it keeps heating bills and CO<sub>2</sub> emissions down by using less fuel.

Grant has a range of individual control solutions that cleverly work together to enable the heating system to operate at optimal efficiency, ensuring householders get the best out of their system. These include weather compensation, sequence controllers, zone pumps and distribution headers. The systems are suitable for individual dwellings, properties with several zones, installations with multiple heat sources or a combination of different technologies.



## Weather compensation

Heating systems should be designed to provide the required comfort condition inside the property when the outside temperature is at its lowest. However, this level of heating will not be required for every day of the heating season as the outside temperature will vary and only be at the lowest level for a relatively small number of days per year.

As the heat demand for a building is inversely proportional to the difference between the indoor and outdoor temperatures, the higher the outdoor temperature the lower the amount of heat required from the heating system. With the heat output of the heating system being determined by the water temperature within it, the system water will be at its hottest when the outside temperature is at its lowest.

Weather compensation controls the temperature of the water in the system such that it delivers the required amount of heat for the prevailing outside temperature, giving a better system efficiency.

### Systems with weather compensation

Boiler flow and return temperatures will be monitored and controlled and the system can react promptly to internal and external air temperature changes.



#### Autumn

- Room thermostat calls for heat on a cool autumn night
- A signal is sent for the control to turn the boiler on and warm the house
- Control uses the outdoor temperature to calculate the water temperature to give required system output
- Control operates the boiler and the mixing valve to achieve the required water temperature (using less fuel)



#### Winter

- Room thermostat calls for heat on a cold winter day/night
- A signal is sent from the control to turn the boiler on and warm the house
- Control uses the outdoor temperature to calculate the water temperature required. This will be higher in colder weather
- Control operates the boiler to maximum and modulates the heating system to the desired temperature



## GEO360 Weather Compensator

The Grant GEO360 weather compensation control system constantly monitors the outside air temperature and determines the required system water temperature for the current conditions. It then determines whether or not the boiler or heat pump needs to start and automatically varies the heat output of the system by controlling the temperature of the system water. This is achieved by using a mixing valve to blend the hotter flow from the boiler or heat pump with the cooler return water from the heating system.

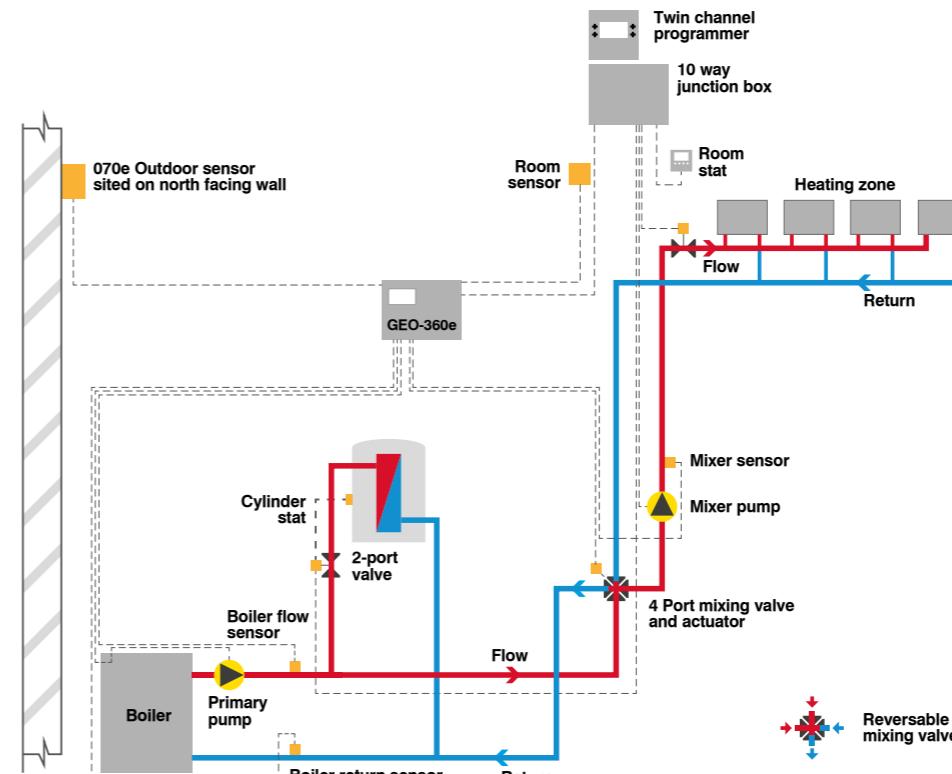
### Models

GEO360/28	GEO360 with 28mm valves (Vortex models up to 36kW)
GEO360/35	GEO360 with 35mm valves (Vortex models from 36 to 70kW)

- Cost effective to install and run
- The unit monitors weather conditions throughout the year so that the correct flow and return temperatures are maintained, thereby enabling the boiler to operate efficiently.
- System reacts promptly to internal and external temperature changes making it easier to maintain a more comfortable temperature within the home and keeps heating bills and CO<sub>2</sub> emissions down by using less fuel.



### Simple system incorporating a GEO360 weather compensator



Concept drawing only - not site specific

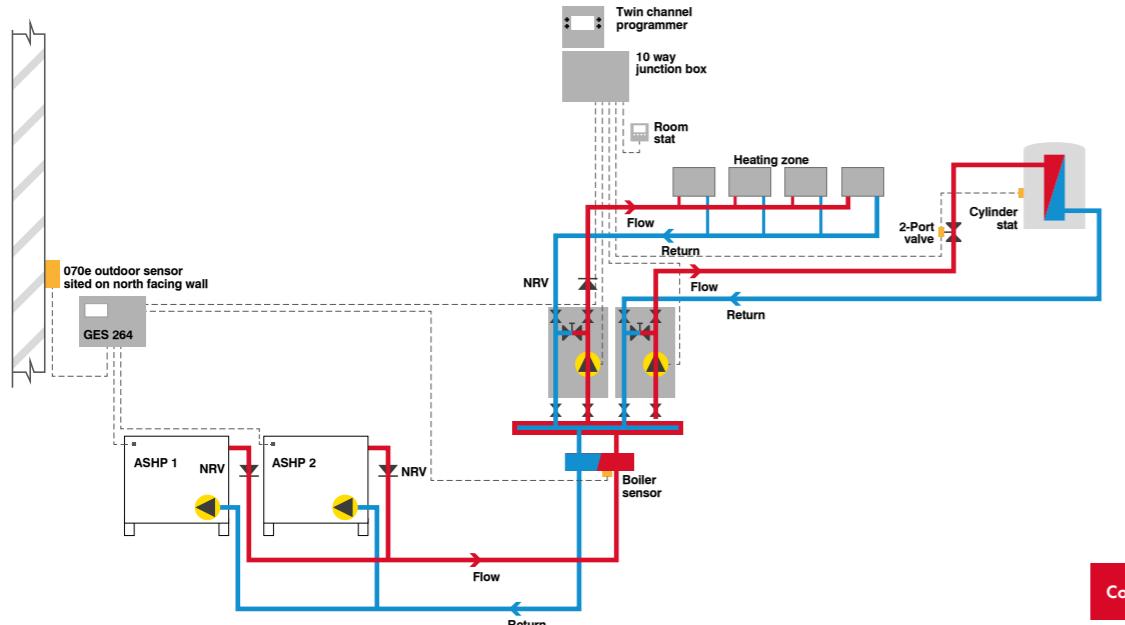
# GES264 Sequence Controller

The Grant 264 sequence controller is designed to manage from two to four heat sources. These may include renewable technologies such as airsource heatpumps and wood pellet boilers or alternatively oil/gas boilers. The controller is able to cope with a mix of fuels all at the same time. This is achieved by using a common flow sensor and using the heat sources installed to satisfy the demand.

The water temperature may be weather compensated and used with or without hot water priority, depending on the pipework layout, pumps and motorised valve set up.

When controlling up to 4 appliances the controller will record the time run for every heat source/boiler and rotate the firing sequence to provide an equal burn time for all units. This will ensure that all appliances share the load throughout the year. When firing takes place each unit will only run when required, depending on the load placed on the system. This ensures maximum efficiency and prevents unnecessary firing and wasted energy.

Depending on the system design and layout it is possible to include pump overrun. Primary and hot water pumps can also be controlled by the controller. When used in conjunction with a buffer/thermal store the weather compensation facility will be disabled as the store would be kept at a constant temperature. The control recognises this as a set point temperature and is preset at commissioning along with a check of all other parameters.



## Models

GES264 sequence controller (for two to four heat sources)



# Header Systems

Header systems are a cost effective way of installing multiple heat sources and feeding more than one heating zone which have different temperature requirements. This is achieved by using a small low loss header (known as a hydraulic switcher) and a distributor manifold.

Depending on the system load, two sizes are available (up to 70kW and up to 165kW @  $\Delta t$  20 °C flow and return set up temperature). The heating appliances are then connected to the switcher, which provides an open circuit for the appliance system water to feed the heating distribution header. This can be supplied with two to six Grant zone pump kits for each heating and hot water circuit, as required.

The Grant header system provides the installer and the customer with a professional installation which is both cost effective to install and run.

## Technical Specification

### 70kW Header

Maximum flow rate	up to 3m³/h, 6bar
Distribution Header	110 x 110 x 508mm (min) - 1508mm (max) (depending on model)
Zone Pump Kit	1" male
Hydraulic switcher connection	1 1/4" male
Side connection	3/4" female

## Technical Specification

### 165kW Header

Maximum flow rate	up to 7m³/h, 6bar
Distribution header	152 x 152 x 625mm (min) - 1625 (max) (depending on model)
Pump unit connection	1 1/4" male
Hydraulic switcher connection	2" male
Side connection	2" male



## Components

GHS70/1252	1" flow and return distributor (2 zone)
GHS70/1253	1" flow and return distributor (3 zone)
GHS70/1254	1" flow and return distributor (4 zone)
GHS70/1255	1" flow and return distributor (5 zone)
GHS70/1256	1" flow and return distributor (6 zone)
GHS60/125	1 1/4" hydraulic switcher
GHS/WF100	Header bracket set wrap over 100mm
GHS/WF150	Header bracket set wrap over 150mm
GHS/WFHV	Header bracket set 90°
GHS05629	1 1/4" connector (quantity: 1) please note: 2 connectors per switcher required
GHS/0266M	1" isolation valve (quantity: 1) please note: 2 valves per pump station required
GHS/SG50*	Safety set up to 50kW (3 bar PRV) please note: if 70kW use GHS/SG200
GHS80/1252	1 1/4" flow and return distributor (2 zone)
GHS80/1253	1 1/4" flow and return distributor (3 zone)
GHS80/1254	1 1/4" flow and return distributor (4 zone)
GHS80/1255	1 1/4" flow and return distributor (5 zone)
GHS80/1256	1 1/4" flow and return distributor (6 zone)
GHS80/570	2" vertical hydraulic switcher
GHS/WF160	Header bracket set wrap over 160mm
GHS/WFHV160	Header wall fixing set - 160mm
GHS076929	2" connection kit
GHS/55AMMS	1 1/4" isolation valve (quantity: 1) please note: 2 valves per pump station required
GHS/HT07	2" nut & gasket for 1 1/4" isolation valves (quantity: 1) please note: 2 sets of nut & gaskets per pump station required
GHS/SG200	Safety set up to 200kW (3 bar PRV)

## \*IMPORTANT

GHS/SG50 can only be used with the 70kW system if the system output is less than 50kW. If the system output is between 50kW and 70kW then GHS/SG200 should be used

# Zone Pump Kits

Zone pump kits are available in two sizes, each with both constant temperature and variable temperature options. A variable temperature option (including a mixing valve and actuator) is used where weather compensation, using a Grant GEO360, is required.

The kits are designed to sit vertically on the header unit with a fully insulated compact black cover which house the high efficiency circulating pump and valves. The flow and return valves are colour coded to show flow and return with large handles incorporating a thermostat dial, giving a clear indication of the flow or return temperature.

The variable temperature pump kit has a mixing valve which is adjusted by an actuator to mix the flow temperature to the heating circuit. The actuator and valve respond to the GEO360 weather compensator to give the correct comfort level to the property. A non return valve is also supplied to prevent reverse circulation.



## Components

GHS/CT01	Constant temperature / variable speed 6 metre zone pump kit
GHS/CT02	Constant temperature / variable speed 8 metre zone pump kit
GHS/VT03	Variable temperature / variable speed 6 metre zone pump kit
GHS/VT04	Variable temperature / variable speed 8 metre zone pump kit
GHS/CT05	32mm constant temperature / variable speed 7 metre zone pump kit
GHS/CT06	32mm constant temperature / variable speed 8 metre zone pump kit
GHS/VT07	32mm variable temperature / variable speed 7 metre zone pump kit
GHS/VT08	32mm variable temperature / variable speed 8 metre zone pump kit



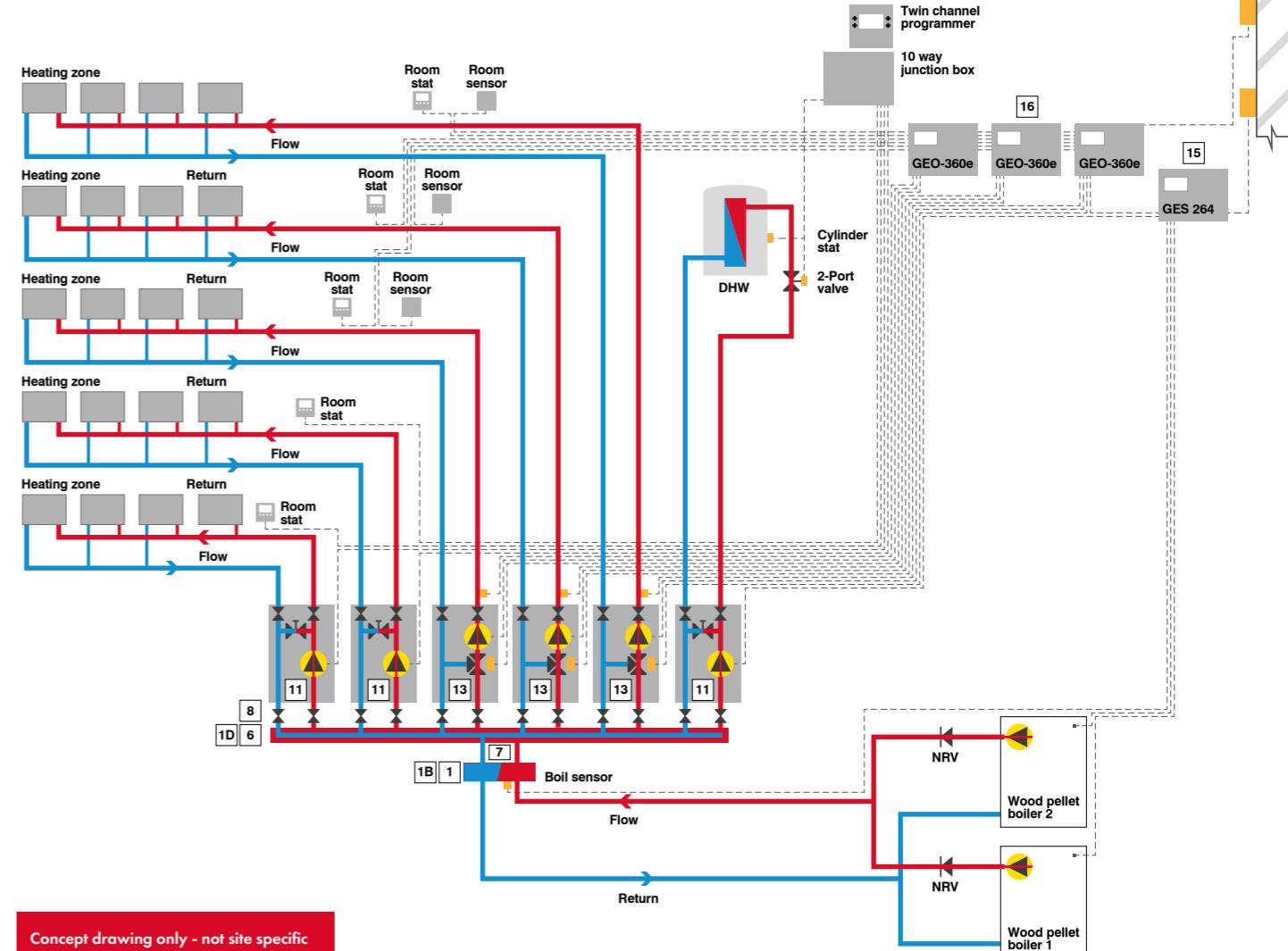
## Zone Pump Kit - Constant Temperature

Comprises	Zone pump, isolator ball valves, temperature gauges and non-return valve
Connections	1" (70kW header) and 1 1/4" (165kW header)
Dimensions	H250 x W390 x D190 mm
Maximum temperature	110 °C
Application	35kW max @ ΔT = 20K 1500l/h
High efficiency pump	6m, 8m - 70kW 7m, 8m - 165kW

## Zone Pump Kit - Variable Temperature

Comprises	Mixing valve and actuator
Connections	1" (70kW header) and 1 1/4" (165kW header)
Dimensions	H250 x W420 x D250 mm
Maximum temperature	110 °C
Application	35kW max @ ΔT = 20K 1500l/h
High efficiency pump	6m, 8m - 70kW 7m, 8m - 165kW

System incorporating 6x zones (70kW)  
low loss header system with 2x boilers



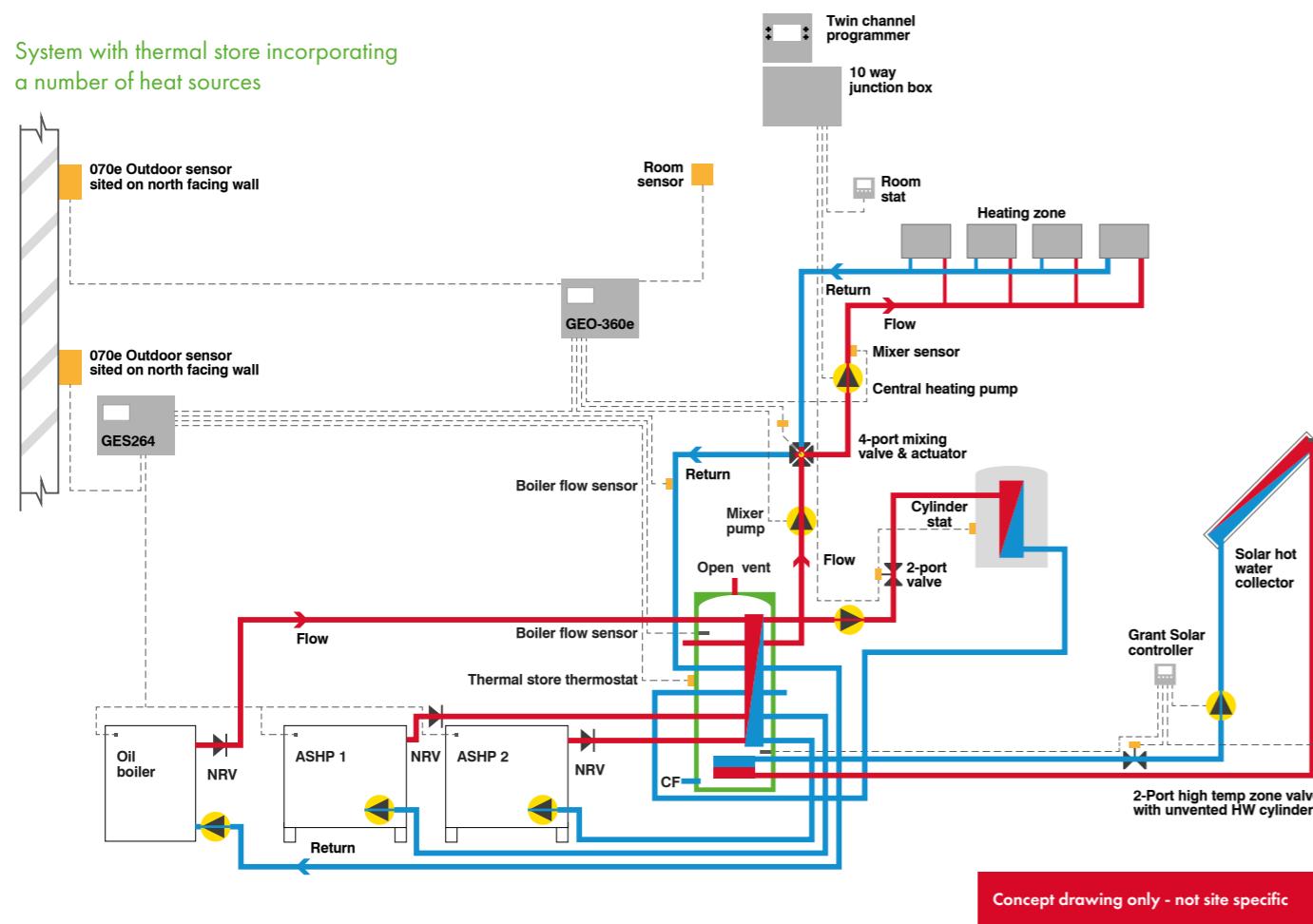
Ref	Part description	Further information	Product code
1	1 1/4" Hydraulic switcher – 70kW	Note: 70kW @ 20KΔt	GHS60/125
1B	Header bracket set wrap over 100mm	Only 1 set per header required	GHS/WF100
1C	Header bracket set wrap over 150mm	Only 1 set per header required	GHS/WF150
1D	Header bracket set 90°	Only 1 set per header required	GHS/WFHV
2	1" F&R Distributor*		GHS70/1252
3	1" F&R Distributor*		GHS70/1253
4	1" F&R Distributor*		GHS70/1254
5	1" F&R Distributor*		GHS70/1255
6	1" F&R Distributor		GHS70/1256
7	1 1/4" connector (1 qty)	2 connectors per switcher	GHS05629
8	1" valves (1 qty)	2 valves per zone pump kit	GHS/0266M
11	Constant temperature 6m zone pump kit	Constant temp, variable speed for heating hot water primary circuits	GHS/CT01
12	Constant temperature 8m zone pump kit*	Constant temp, variable speed for heating hot water primary circuits	GHS/CT02
13	Variable temperature 6m zone pump kit	For heating circuits only. With mixing valve used with GEO360 w/comp	GHS/VT03
14	Variable temperature 8m zone pump kit*	For heating circuits only. With mixing valve used with GEO360 w/comp	GHS/VT04
15	GES264 sequence controller	Up to 4 boiler sequence controller & weather compensation	GES264
16	GEO360	Weather compensator	GHS/GEO360

\* Note: component not shown on illustration

## Alternative use of energy management controls

This layout shows a system incorporating a ThermaWave thermal store, linking a number of different technologies such as an oil boiler, two air source heat pumps, a solar thermal system, a GES264 sequence controller and a GEO360 weather compensator.

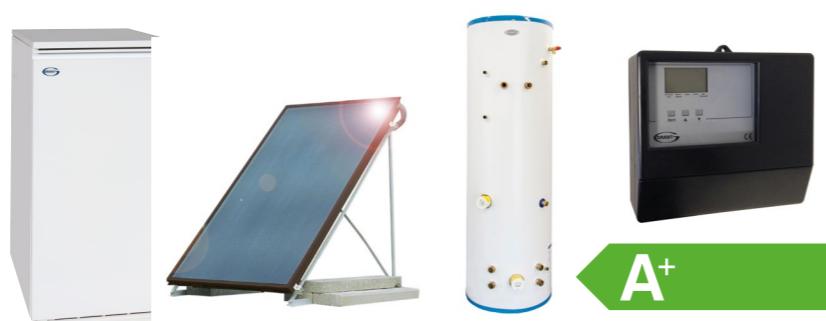
System with thermal store incorporating a number of heat sources



## ErP package uplift

In addition to increasing the overall efficiency of the heating system, by incorporating a GES264 controller or GEO360 optimiser, you will also benefit from an increase in efficiency under the Energy Related Products Directive (ErP) by up to 4%.

For example, a heating system using a Vortex Pro 15-21kW, a Sahara two panel solar kit and a 300lt DuoWave cylinder would have a package rating of A. Incorporate a GEO360 and the package rating will increase to A+.



A+

## High Performance Cylinders

The Grant high performance cylinders have been designed to heat the water faster than a traditional cylinder and have been developed to the highest specification, as you would expect from any Grant product. The cylinders have powerful mains-pressure performance with exceptionally high hot water flow rates and are designed to be coupled with almost any household hot water system from oil and gas boilers to electric heating, air source heat pumps and even solar thermal.



- Duplex stainless steel unvented indirect, mains pressure cylinders
- Incorporates a larger primary coil for quicker heat transference
- Fast recovery stainless steel coils to ensure a maximum transfer of the energy collected
- Pre-plumbed Monowave models and buffer tanks available
- Global warming potential (GWP) = less than 3

Discover the range at [www.grantuk.com](http://www.grantuk.com)

FIND OUT MORE



\*Subject to full T&C's

## Guarantees

Grant's products have been designed and built to last for years. Installers and homeowners who choose the Grant brand can be assured by the reliability, quality and value of each product. To reflect the confidence that the Company has in all of their appliances, standard and extended guarantees are available throughout the ranges.

### Quality guaranteed as standard

Grant UK guarantees the manufacture of their products for a period of twelve months from the date of installation as standard, provided that the product has been installed in full accordance with the installation and servicing manual supplied. This guarantee will be extended to a total period of two years if the product is registered with Grant UK within thirty days of installation and serviced at twelve monthly intervals. Please be advised that in cases when the installation is completed more than six months from the date of purchase, the guarantee period will commence six months from the date of purchase.

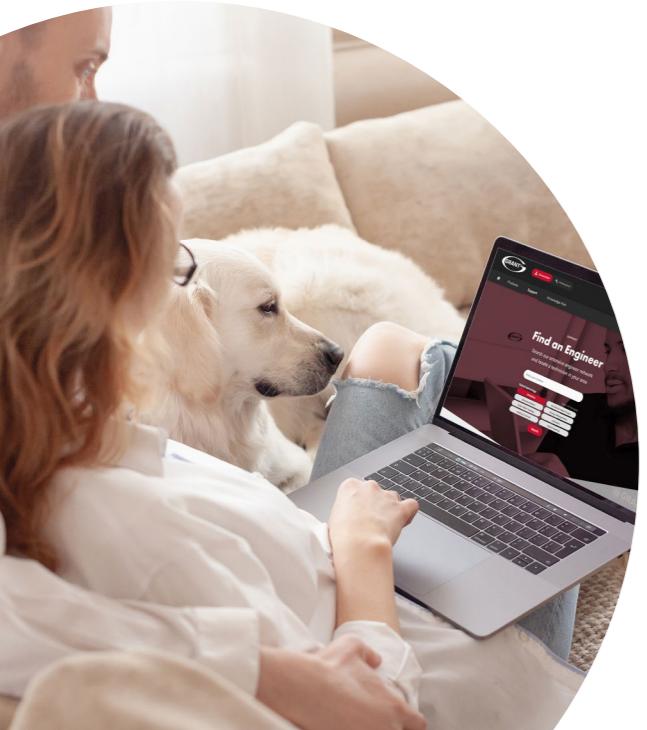
All Grant boilers are supplied with a copy of the standard guarantee Terms and Conditions within the supporting Installation and User Instruction documents. Grant UK strongly recommends that customers thoroughly read these Terms and Conditions to ensure that they comply and adhere to them in order to maintain their product's standard guarantee.

### Extended guarantees through the G1 Installer Network

The standard two year guarantee on Grant's oil boilers can be increased if the product is installed by one of Grant UK's G1 Installers. G1 Installers can offer extended guarantees on the Grant products that they install and register. The G1 extended product guarantees are subject to the product being installed in full accordance with both the installation and servicing instructions as well as the G1 Scheme Terms and Conditions. Please note, G1 extended guarantees are only activated when the G1 Installer registers the appliance via their G1 Portal or Click App.

Grant UK's G1 Scheme provides installers with the essential tools that they need to successfully fit and endorse Grant products, which in turn gives members confidence in the products they install. Homeowners who choose a G1 engineer can be confident that their Grant product is installed to the highest possible standards while also enjoying the peace of mind that comes with the extended guarantees that G1 installers can activate on their installations.

Homeowners looking to find a G1 Installer in their local area should visit Grant UK's website and use the Find an Engineer online search: [www.grantuk.com/support/find-an-engineer](http://www.grantuk.com/support/find-an-engineer).



FIND AN  
ENGINEER



## Guarantees

Provided below is a summary of the standard and G1 extended guarantees which are available from Grant UK on their Vortex and VortexBlue ranges.

	STANDARD	G1
Vortex Oil Boiler	2 years	5 years*
VortexBlue Oil Boiler	2 years	10 years*

All guarantees are subject to Terms & Conditions

\*Product must be fitted with Grant Mag One magnetic filter

### Extended Warranty Packages

When a Grant boiler is not installed by a G1 Installer, homeowners can still increase the warranty on their appliance. Grant UK offer a range of three year extended warranty options which are available for oil boilers registered within thirty days of installation. These are designed to give homeowners added peace of mind after the standard two year product guarantee has expired.

To read more about the extended product warranties available to purchase from Grant UK, please visit [www.grantuk.com/support/extended-warranties](http://www.grantuk.com/support/extended-warranties).

EXTENDED  
WARRANTIES





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