



VORTEX BOILERS (INDOOR & OUTDOOR)



POWERED BY

A small graphic consisting of five colored dots (purple, blue, green, yellow, red) arranged in a horizontal line.
WATERWARE

waterware.co.nz



GRANT VORTEX DIESEL BOILER

THINK HEATING.THINK GRANT.



Grant Vortex Diesel Boilers

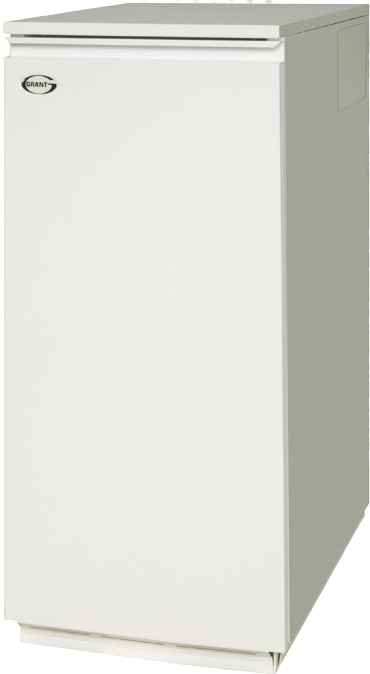
The Grant Vortex diesel boilers are a practical option particularly in areas lacking reticulated gas.

The installation of a diesel boiler is typically more involved and costly than gas boilers but offer significant running cost savings over LPG options.

- Indoor and Outdoor models available
- Capable of heating and domestic hot water
- Grant Vortex boilers have also adopted flue condensing technology resulting in running efficiencies up to 97%
- Whisper quiet operation
- Advanced digital control panel enables the boiler to automatically switch duty from heating to domestic hot water production.
- Premium quality powder coated EZI-Fit high level flue set.

Grant Vortex diesel condensing boilers utilize advanced combustion technology to deliver class leading performance, efficiency and reliability.

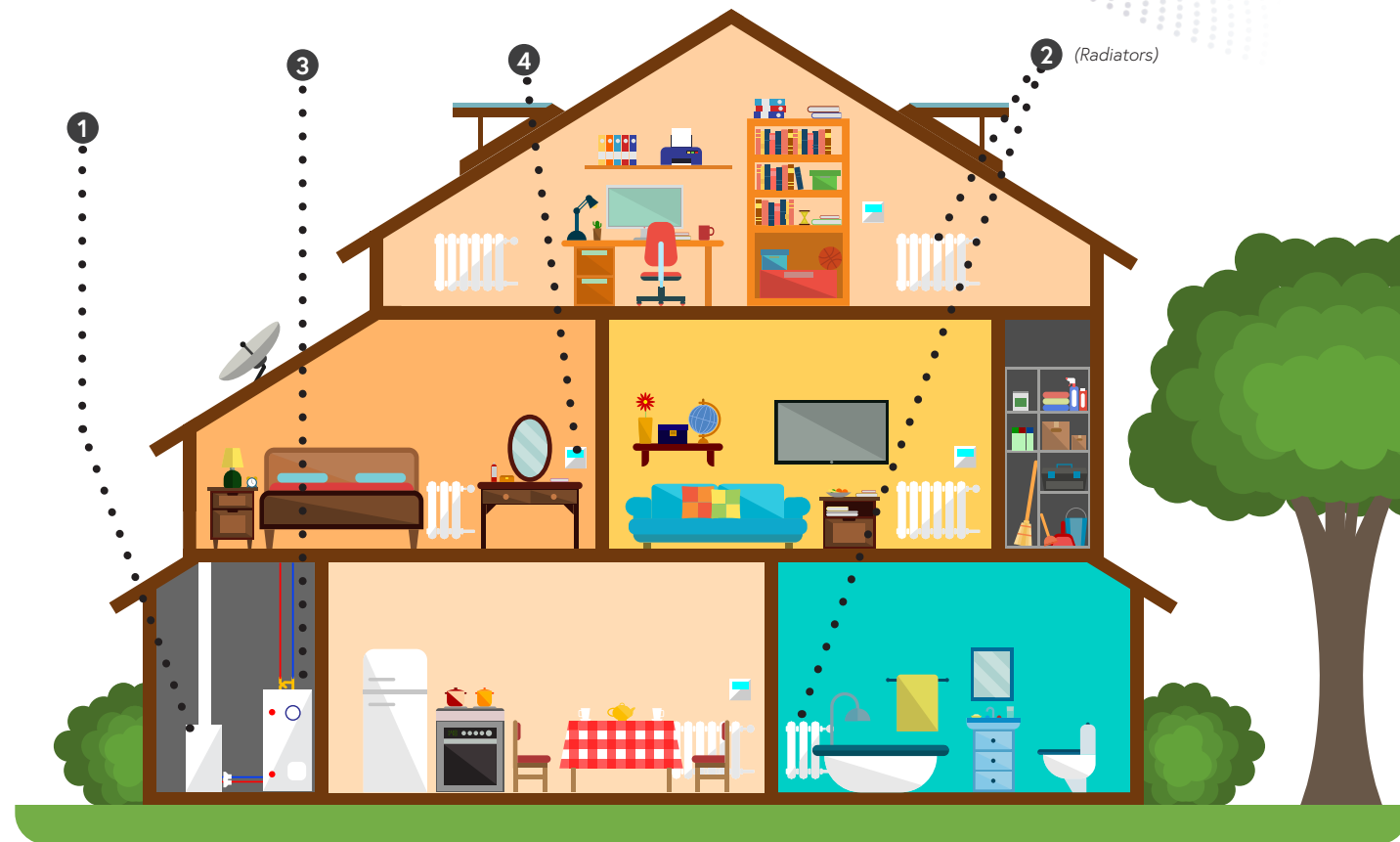
Typical running cost: 18c/kWh



Model	DBV26	DBV36	DBV46
Radiator heating capacity	250m ²	350m ²	450m ²
Maximum efficiency	95%	97%	93%
Height:	860mm	900mm	1234mm
Width:	470mm	470mm	563mm
Depth:	603mm	603mm	786mm

HOW IT WORKS

COMPLETE THE COMFORT IN YOUR HOME



1. Grant Vortex Diesel Boilers (heat source)

A premium quality, high performance *condensing* boiler made in Ireland. They are quiet, clean burning and reliable. Diesel condensing boilers utilize advanced combustion technology to deliver class leading performance, efficiency and reliability.

Refer to Quick Guide for other heat source options



2. Radiator Heating

Radiators emit warmth via a combination of natural convection and radiant heat. They offer the lowest running cost, are suitable for renovation or new build and suit concrete or timber floor construction.



3. Protank with Valve Set

Indirect hot water cylinder with high capacity and mains pressure water delivery. Designed to take the energy from the high efficiency heat source and convert it into hot water for your taps and showers.



4. Heatmiser neoStat Thermostat (system control)

Multiple neoStats are used to build a network of wired thermostats throughout your home. Modern touch button technology and an intuitive menu navigation is simple for the home owner to program and operate.

DOMESTIC HOT WATER

Domestic Hot Water

Water heating is a heat transfer process that uses an energy source to heat water above its initial temperature. In domestic installations, potable water heated for uses other than space heating is also called domestic hot water (DHW).

✓ High Efficiency Hot Water

HOT WATER PRODUCTION

When you're looking for a reliable hot water system, the Grant Vortex diesel boiler can provide all the hot water required for the sanitary needs of your house or building using the boiler as the primary source of energy without the need for backup. Waterware also offer an extensive range of high-quality stainless steel indirect hot water cylinders with heat exchange coils sized specifically for Grant diesel boilers



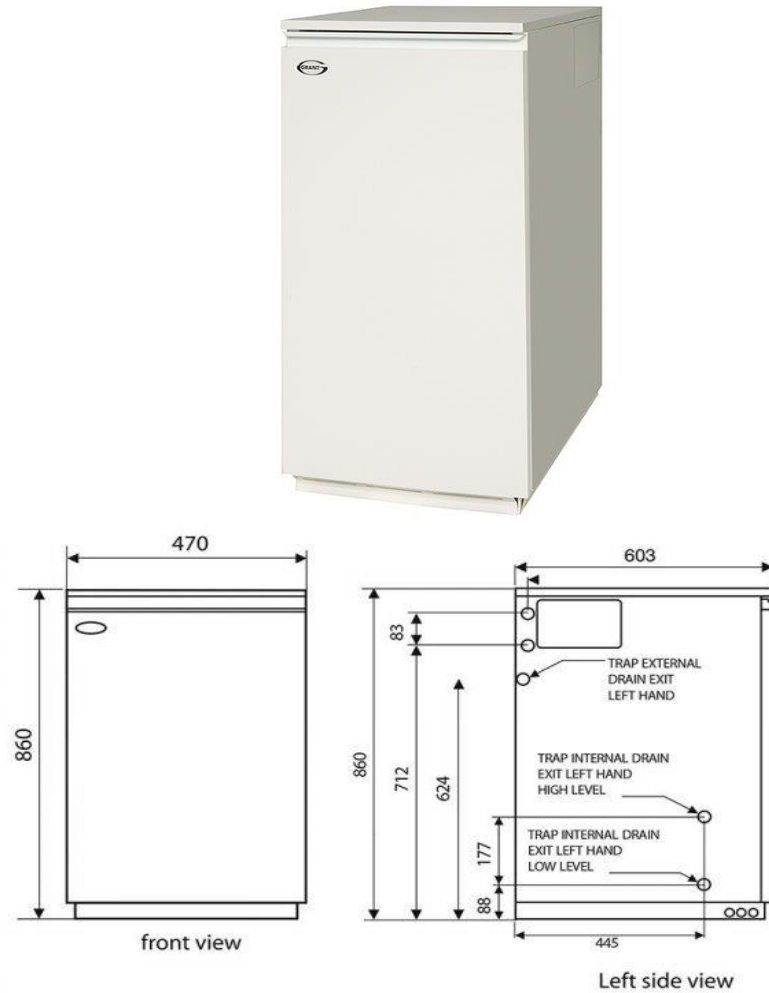
DBV26

Grant Vortex Diesel Condensing Boiler 26kW



Technical Specification

Water content litre: 19
Weight (dry) kg: 112
Max. heat output kW: 26
Flow & Return connections: 22mm
Min. flow rate ($\Delta T=10^{\circ}\text{C}$) l/h: 2,200
Condensate connection: 22mm
Flue diameter: 150mm
Waterside resistance: 26 mbar
Maximum static head: 28m
Boiler thermostat range: 65°C to 75°C
Limit (safety) stat shut off temp: 111°C
Max. hearth temperature: 50°C
Electricity supply: 240v - 50hz @ 5amp
Motor power: 90 watts
Starting current: 2.6 amps
Running current: 0.85 amps
Oil connection: 1/4" BSP
Max operating press: 2.5 bar



Application

The Grant Vortex Diesel Condensing Boiler 26kW is used in heating systems to generate mechanical hot water and is installed mostly in plant rooms.

Warranty

[Download the latest warranty statement](#)

Features

Floor standing indoor 15.0 - 26kW diesel condensing boiler with dual set point for central heating and or an indirect domestic hot water system.
High efficiency three pass cast iron heat exchange sections with an internal Riello RDB blown diesel burner, automatic air vent valve, circulating pump, expansion tank and safety valve.
860mm high x 470mm wide x 603mm deep
Made in Ireland

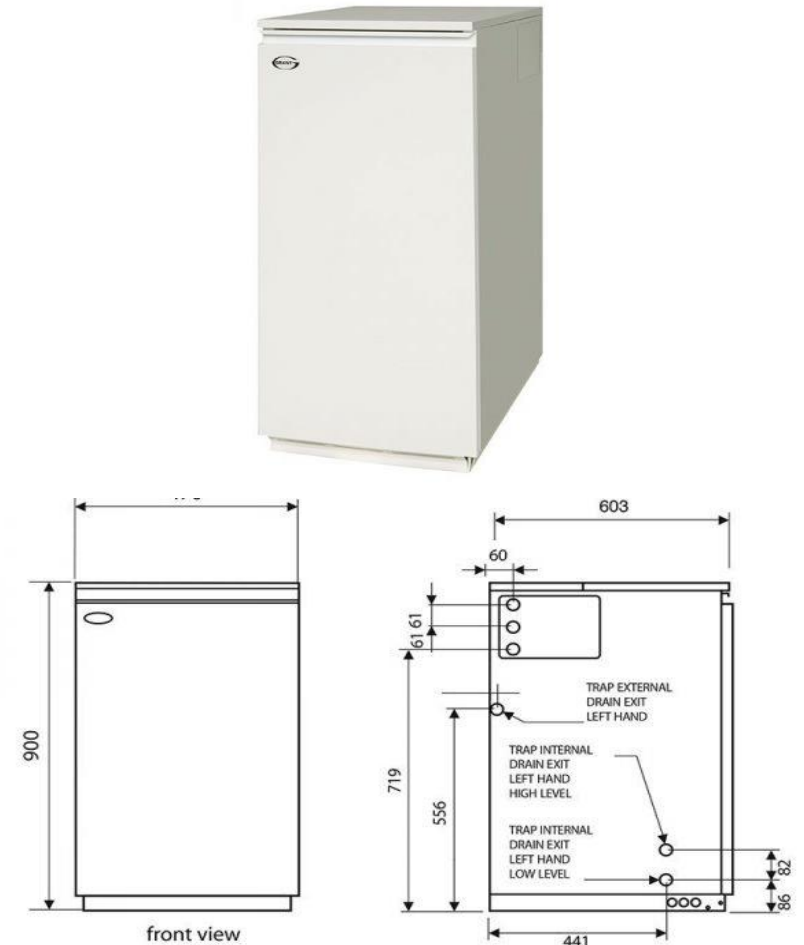
DBV36

Grant Vortex Diesel Condensing Boiler 36kW



Technical Specification

Water content litre: 21
Weight (dry) kg: 134
Max. heat output kW: 36
Flow & Return connections: 28mm
Min. flow rate ($\Delta T=10^{\circ}\text{C}$) l/h: 3,000
Condensate connection: 22mm
Flue diameter: 180mm
Waterside resistance: 26 mbar
Maximum static head: 28m
Boiler thermostat range: 65°C to 75°C
Limit (safety) stat shut off temp: 111°C
Max. hearth temperature: 50°C
Electricity supply: 240v - 50hz @ 5amp
Motor power: 90 watts
Starting current: 2.6 amps
Running current: 0.85 amps
Oil connection: 1/4" BSP
Max operating press: 2.5 bar



Application

The Grant Vortex Diesel Condensing Boiler 36kW is used in heating systems to generate mechanical hot water and is installed mostly in plant rooms.

Warranty

[Download the latest warranty statement](#)

Features

Floor standing indoor 26.0 - 36.0 kW diesel condensing boiler with dual set point for central heating and or an indirect domestic hot water system.
High efficiency three pass cast iron heat exchange sections with an internal Riello RDB blown diesel burner, automatic air vent valve, circulating pump, expansion tank and safety valve.
900mm high x 470mm wide x 603mm deep
Made in Ireland

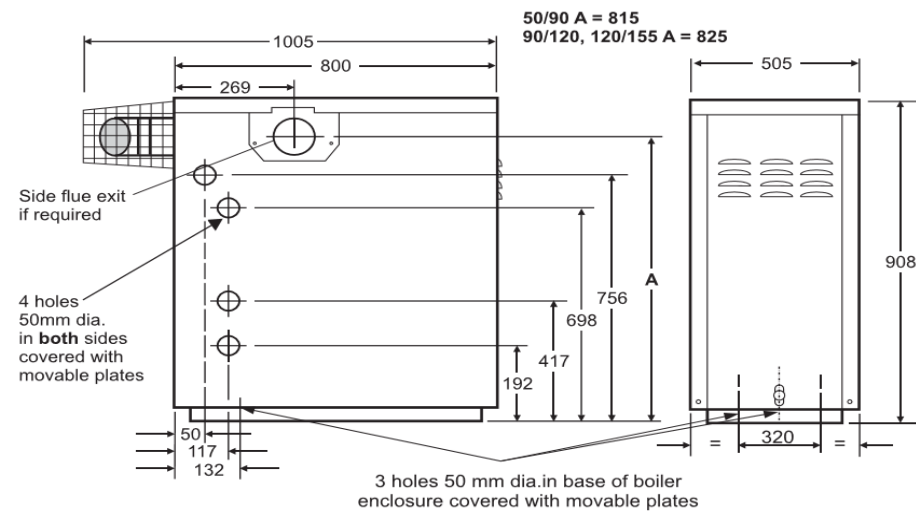
DBVO26

Grant Vortex Outdoor Diesel Condensing Boiler
26kW



Technical Specification

Water content litre: 19
Weight (dry) kg: 126.5
Max. heat output kW: 26
Flow & Return connections: 22mm
Min. flow rate ($\Delta T=10^{\circ}\text{C}$) l/h: 2,200
Condensate connection: 22mm
Waterside resistance: 26 mbar
Maximum static head: 28m
Boiler thermostat range: 65°C to 75°C
Limit (safety) stat shut off temp: 111°C
Max. hearth temperature: 50°C
Electricity supply: 240v - 50hz @ 5amp
Motor power: 90 watts
Starting current: 2.6 amps
Running current: 0.85 amps
Oil connection: 1/4" BSP
Max operating press:



Warranty

[Download the latest warranty statement](#)

Features

Floor standing outdoor 15.0 - 26kW diesel condensing boiler with dual set point for central heating and or an indirect domestic hot water system.
High efficiency multipass combustion chamber with an internal Riello RDB blown diesel burner, automatic air vent valve, circulating pump, expansion tank and safety valve.
908mm high x 505mm wide x 800mm deep
Made in Ireland

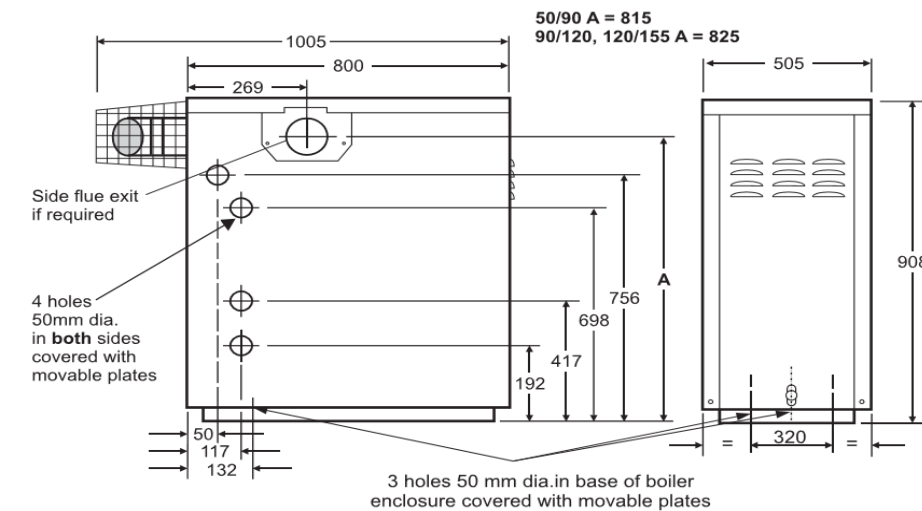
DBVO36

Grant Vortex Outdoor Diesel Condensing Boiler
36kW



Technical Specification

Water content litre: 21
Weight (dry) kg: 142
Max. heat output kW: 36
Flow & Return connections: 28mm
Min. flow rate ($\Delta T=10^{\circ}\text{C}$) l/h: 3,000
Condensate connection: 22mm
Waterside resistance: 26 mbar
Maximum static head: 28m
Boiler thermostat range: 65°C to 75°C
Limit (safety) stat shut off temp: 111°C
Max. hearth temperature: 50°C
Electricity supply: 240v - 50hz @ 5amp
Motor power: 90 watts
Starting current: 2.6 amps
Running current: 0.85 amps
Oil connection: 1/4" BSP
Max operating press:



Warranty

[Download the latest warranty statement](#)

Features

Floor standing outdoor 26.0 - 36.0 kW diesel condensing boiler with dual set point for central heating and or an indirect domestic hot water system.
High efficiency three pass cast iron heat exchange sections with an internal Riello RDB blown diesel burner, automatic air vent valve, circulating pump, expansion tank and safety valve.
900mm high x 505mm wide x 800mm deep
Made in Ireland

DBV26FST

Grant Vortex Top Flue Set 3m 26kW

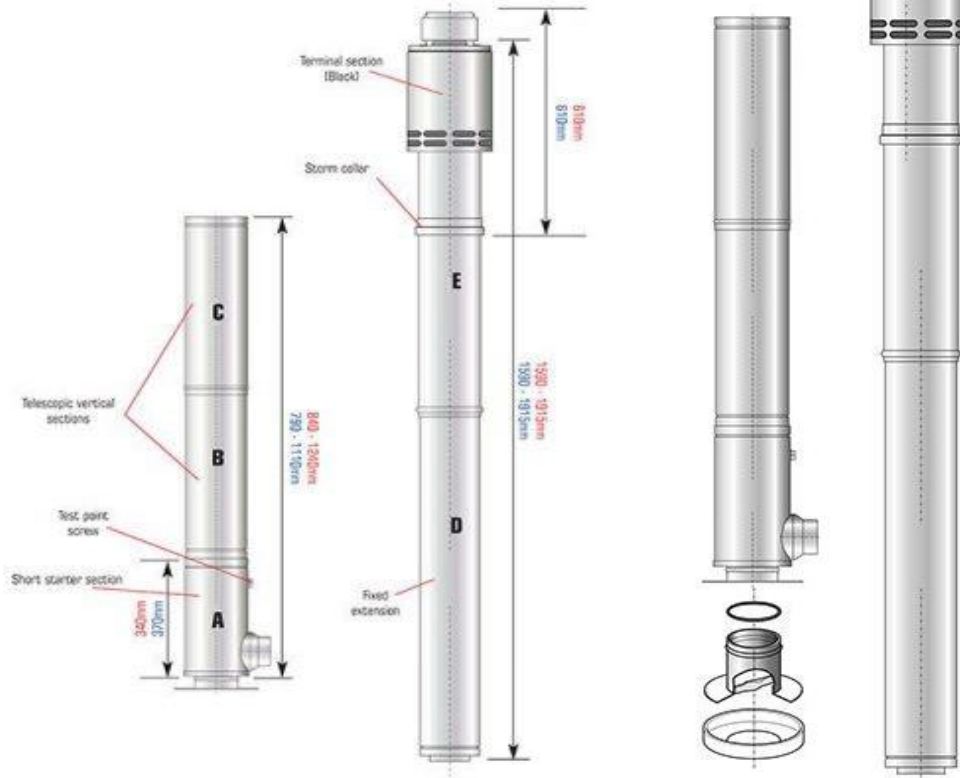


Technical Specification

Maximum boiler output: 26kW
Diameter: 150mm
Maximum possible length: 8m

26 kW: Ø150mm
36 and 46 kW: Ø180mm
*Max. possible length 10m

Contents of 3m top flue set:
Short starter section A
Vertical telescopic section B/C
Fixed section 950mm D
Terminal section E (inc storm collar)
Locking bands (not shown)
Inner seals (red)
Boiler connector (low clamp)
Galing dress plate (not shown)
Froststop spacers (not shown)
Wall bracket
Fitting instructions



Application

The Grant Vortex Top Flue Set 3m 26kW is used in heating systems to generate mechanical hot water and is installed mostly in plant rooms.

Warranty

[Download the latest warranty statement](#)

Features

Vertical balanced flue kits share the same EZ-Fit boiler connections as our high level kits. The unique clamping system on the vertical balanced flue ensures easy assembly thereby reducing installation costs.

As with our high level kits it is now possible to create offsets in straight flue runs by using our 45° elbows and adjustable extension kits – increasing the versatility of this new range.

Vertical balanced flues can be extended to a maximum length of 8 metres on condensing boilers in a straight run using the extension kits. Deduct one metre for each additional 45° elbow [maximum 4 elbows]

DBV26FSS

Grant Vortex Side Flue Set 1.2m 26kW

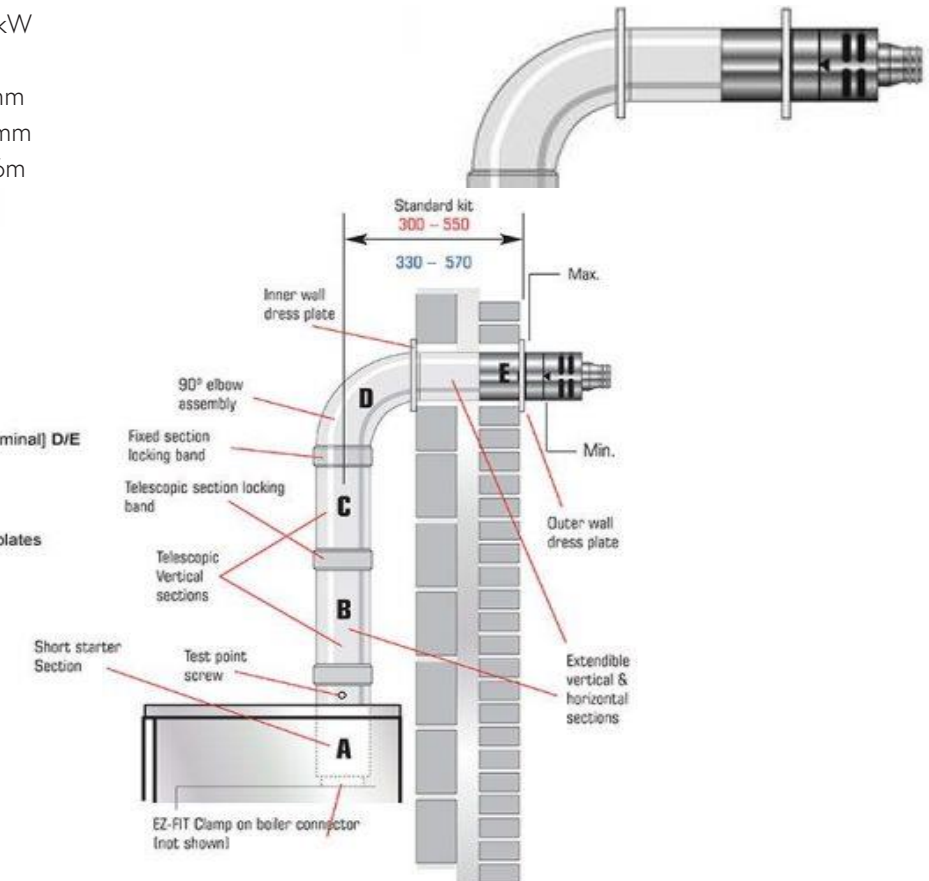


Technical Specification

Maximum boiler output: 26kW
Diameter: 150mm
Minimum exit height: 1215mm
Maximum exit height: 1715mm
Maximum possible length: 6m

26 kW: Ø150mm
36 & 46 kW: Ø180mm
*Max. possible length 6m (total)

Contents of 1.2m side flue set:
Short starter section A
Vertical telescopic section B/C
Horizontal telescopic section [inc. terminal] D/E
90° Elbow D
Locking bands
Inner seals (red)
Outer seal (black)
Boiler connector (with clamp) Dress plates (inner & outer) Fitting instructions



Application

The Grant Vortex Side Flue Set 1.2m 26kW is used in heating systems to generate mechanical hot water and is installed mostly in plant rooms.

Warranty

[Download the latest warranty statement](#)

Features

High level balanced flue kits feature the same EZ-Fit boiler connections as the low level flue. The unique clamping system on the high level flue ensures easy assembly thereby reducing installation costs. The kits may be extended horizontally and vertically. It is now possible to create offsets in standard high level flue systems by using our 45° elbows and extension kits – increasing the versatility of this new range.

The high level kits feature self sealing exhaust ducts and a quick-fit locking band connection for the air duct, which vastly reduces the time taken to complete the installation

HSSGHWK

Grant Vortex Domestic Hot Water Kit 25mm



Technical Specification

- body: brass, EN 12165 CW617N
- paddle stem: stainless steel
- paddle: EPDM
- Medium: water, glycol solutions
- Max. percentage of glycol: 30%
- Temperature range: 0 – 90°C
- Peak temperature of fluid: 110°C
- Max. working pressure: 16 bar
- Synchronous motor: Normally closed
- Supply: 230 V - 50/60 Hz
- Power consumption: 6,5 W; 7 VA
- Opening time: 70 – 75 s
- Closing time: 5 – 7 s
- Microswitch contacts rating: 0,8 A
- Protection class: IP 20
- Max. ambient temperature: 40°C
- Length of power cable: 5x0,75 mm2 - 95 cm

Associated products

DBV26	Vortex Deisel 26kW
DBV36	Vortex Deisel 36kW
DBV46	Vortex Deisel 46kW



Warranty

5 Years parts and labour

Features

Grant Vortex heat pump 25mm domestic hot water kit. 2x Two port valves and cylinder stat. Enables dual set point domestic hot water priority for the vortex series boilers 26-46kW

PTPSC185I

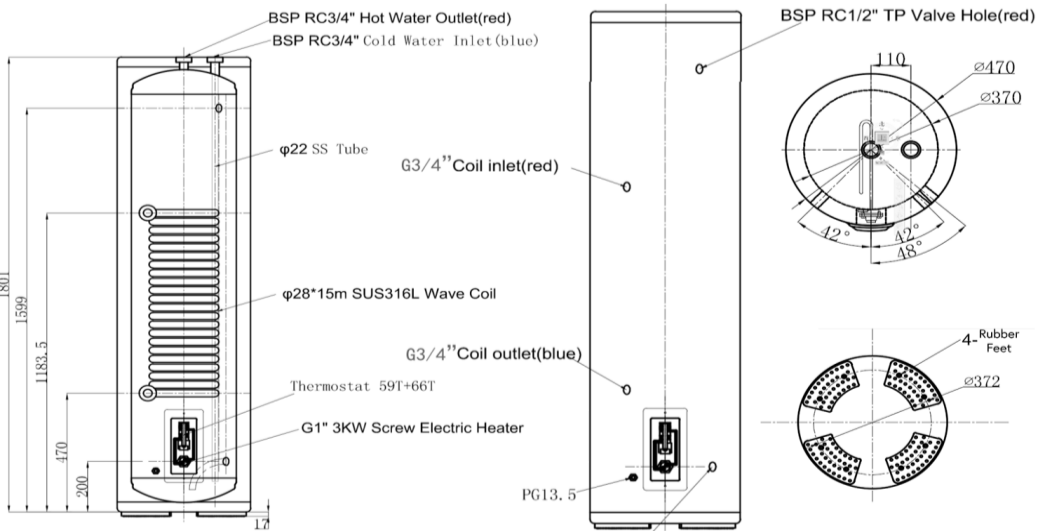
Protank Plus 2.0 Indirect 185L with Valve Set



Technical Specification

185L, 3kW
1780mm x 475mm (dimension of tank)

- Pressure Ratings
- TPR Setting 700 kPa
- Cold water expansion setting 600 kPa
- Maximum supply setting 500 kPa
- Factory supply set point 300 kPa



Application

The Protank Plus 2.0 Indirect 185L with Valve Set is used in plumbing systems to generate hot water for potable applications using an external heat source and is installed mostly in hot water cylinder cupboards.

Warranty

[Download the latest warranty statement](#)

Features

Protank Plus Indirect has been developed to meet the needs of those home owners wanting a high capacity, high pressure hot water system that is going to last. The internal tank and fittings are crafted from the highest possible spec 'Duplex' 2205 stainless steel and performance matched to Caleffi's latest high flow valve set. The high capacity coil allows large amounts of hot water to be generated from a small foot print

185L, 30kW coil, 3kW backup
1880mm x 475mm (dimension of tank)

Designed for indoor installation mains pressure domestic hot water systems
Models with valve set include: Protank hot water cylinder, Caleffi 'direct mount mono-block' combo set, Caleffi TPR valve, Heatrod element(s) and thermostat

PTPIK500R

Protank Plus Residential Installation Kit 500mm



Technical Specification

Cylinder diameter: 475mm
 Tray diameter: 500mm
 Compatible models: 135L & 185L



Application

The Protank Plus Residential Installation Kit 500mm is used in plumbing systems to generate hot water for potable applications using an electric element and is installed mostly in hot water cylinder cupboards.

Warranty

[Download the latest warranty statement](#)

Features

- The installation kit allows a rapid and professional installation.
- Custom sized tray with 500mm OD allowing a small HWC cupboard.
- Unique restraint blocks allow the straps to secure the tank without using timber blocks to prevent rotation.
- Star drive coach bolts supplied with washer heads.
- Insulation clam supplied to minimise the heatloss from the valve block.
- Simplex restraint straps with all required headware for installation.
- Allproof tundish to receive the CWE & TPR waste and allow drain collection.

PTPSAVK20

Protank Plus Indirect airvent kit, 20mm



Technical Specification

Connection size: 20mm
 Body and cover: brass EN 12165 CW617N
 Float: PP
 Obturator: silicone rubber
 Spring: stainless steel EN 10270-3/1.4310 NS (AISI 302)
 Seals: EPDM
 Seals on shut-off cock: PTFE
 Medium: water, glycol solutions
 Max. percentage of glycol: 30 %
 Max. working pressure: 10 bar
 Max. discharge pressure: 6 bar
 Max. working temperature: 115 °C



Application

The Protank Plus Indirect airvent kit, 20mm is used in heating & cooling systems to eliminate circulating air and is installed mostly at point of delivery.

Warranty

[Download the latest warranty statement](#)

Features

These automatic air vents eliminate residual air in heating and air conditioning systems without the need for manual intervention. This prevents undesired noise, wear of devices in the circuits and inefficient performance of heating units. This convenient kit allows the installer to site the air vent at the entry to the indirect cylinder coil connection.

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