



PRODUCT RANGE

Dependable Heat. Smart Solutions



sapphireheatsolutions.co.uk



Welcome to Sapphire

Sapphire Heat Solutions, under the EOGB Group, specialise in market-leading oil-fired boilers and a growing portfolio of renewable systems — including air source heat pumps and hybrid solutions.

At Sapphire Heat Solutions, precision engineering, innovation, and long-term value work together to create sustainable heating products trusted by installers and homeowners alike.

Although the technology behind our systems is advanced, our products are designed to be easy to install, simple to maintain, and supported by outstanding after-sales service.

Continuous product development lies at the core of our work; Sapphire Heat Solutions delivers heating products built not just for today's requirements, but for the demands of the future.



Why choose Sapphire?

17%

Reduction in fuel consumption

Thanks to Sapphire's unique control system, we observed fuel consumption reductions of up to 17%. *

This improvement is driven by Sapphire working alongside a smart thermostat, enabling continuous communication between the thermostat and the boiler, allowing the system to adjust heat output precisely.



Peace of mind

Our heat exchanger is backed by an incredible warranty, reflecting its robust design, high-grade materials, and long-term resistance to corrosion and thermal stress.

This warranty provides assurance of durability and sustained performance over the full lifecycle of the system.



Made in the UK

Designed and manufactured in the UK, Sapphire boilers are built to the highest standards of quality, reliability, and performance.

UK manufacturing allows for close control over materials, production processes, and quality assurance, ensuring every boiler meets stringent performance and safety requirements.



Award Winning Boiler

The H&V News Awards represent the pinnacle of achievement in the heating sector, recognising excellence and innovation across a wide range of categories.

To have been selected as a winner from such an esteemed group of entrants reflects our dedication to pushing the boundaries of heating technology.

Before leaving our production area, every boiler undergoes thorough testing to ensure they meet all the safety & performance requirements.

This is how we ensure the boilers are of the highest standards.



We design and manufacture our boiler components to the highest standards, ensuring reliability and optimal performance.

*Test house data is available on request

SAPPHIRE BOILER RANGE











INTERNAL



EXTERNAL

SAPPHIRE 6 - 32 kW BOILER

-  Fully Certified ERP and BED compliant boiler range
-  Fully stainless-steel internally welded construction
-  Soot free combustion chamber with no baffles
-  Fully modulating, with 15 points of modulation
-  Up to 17% fuel savings with smart heating controls*
-  Four position flue connection options
-  Stainless Steel Heat Exchanger built to last
-  All stainless-steel multiple flue and plumbing kit options

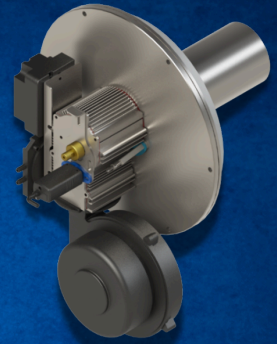


Low NOx

Sapphire Boilers are highly efficient and are leading the transition from yellow flame to advanced blue flame technology in oil heating.

*Test house data is available on request

Combi Model - Coming Soon!



Our unique burner system

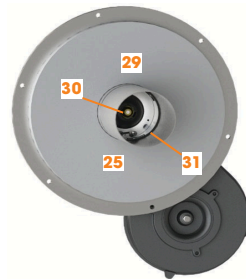
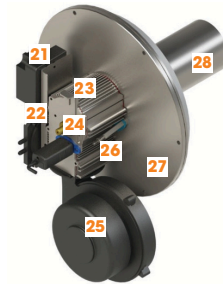


The industry's most efficient oil boiler

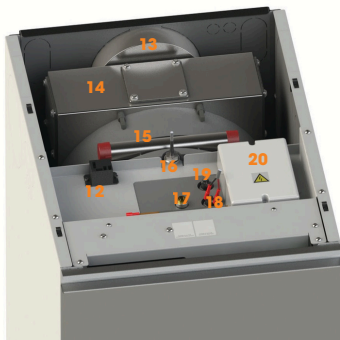
The Sapphire Combi Boiler is a high-performance combination boiler designed to provide reliable central heating and instantaneous domestic hot water from a single compact appliance.

The Sapphire Combi Boiler provides fast hot water delivery with strong, stable flow rates, making it suitable for everyday household demand.





Optional 1



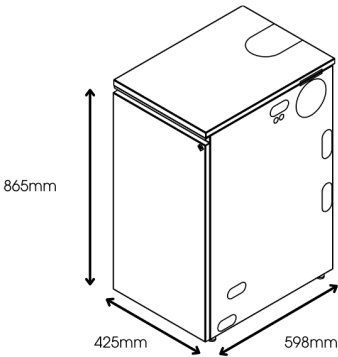
- 1 - Modulating Fuel Pump
- 2 - Burner Plug
- 3 - Burner Plug
- 4 - TouchScreen Interface
- 5 - On/Off Switch
- 6 - Modulating Sapphire Burner
- 7 - Heat Exchanger
- 8 - PCB Board Housing
- 9 - Drain Cock
- 10 - Return Connection (3/4" BSP)
- 11 - Condensate Trap
- 12 - Switch Live Controls Relay
- 13 - Air Damper Adaptor
- 14 - Flue Manifold
- 15 - Flow Connection (2 x 3/4")
- 16 - Temperature Thermowell
- 17 - Air Vent Port (1/8")
- 18 - Primary Overheat Thermostat
- 19 - Secondary Overheat Thermostat
- 20 - EOGB Sapphire Wiring Case
- 21 - EBI Transformer
- 22 - Air Pressure Switch
- 23 - Nozzle Assembly
- 24 - KLC Flame Scanner (24v)
- 25 - Inverter Driven Fan Motor
- 26 - Electrodes
- 27 - Burner to Boiler Flange Plate
- 28 - Blast Tube
- 29 - Burner to Boiler Gasket
- 30 - Atomising Nozzle
- 31 - Sight Glass
- 32 - Danfoss BFPM61 Pump
- 33 - Solenoid Coil
- 34 - Pressure Transducer
- 35 - Pump Motor Optional 1 - Condensate Pump

The Sapphire Boiler's high-performance heat exchanger, engineered to maximise heat transfer.

Constructed from premium-grade stainless steel, the heat exchanger offers excellent resistance to surface corrosion and thermal stress, ensuring sustained efficiency, durability, and consistent performance over the operational lifetime of the boiler, outlasting other standard oil boilers.



Heat Only - Internal

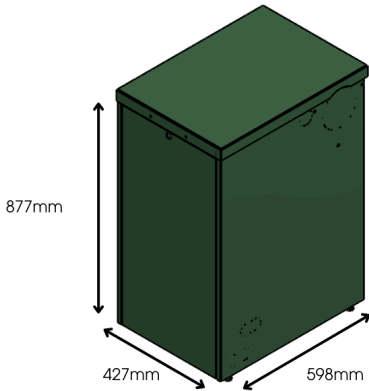


Internal Installer Manual



		EOGB Sapphire 6-32 kW
Water Content	Litre	26
Weight (Dry) Heat Exchanger	Kg	46
Weight (Dry) Overall	Kg	88
Max. Heat output (Kerosene)	kW	32
Min. Heat output	kW	6
Flow connection	mm	22
Return connection	mm	22
Condensate connection	mm	22
Flue diameter	mm	81
Maximum static head	m	7.2
Minimum circulating head	m	0.5
Boiler thermostat range	°C	Variable
Primary limit thermostat (safety shut off temp)	°C	95+/-3 °C
Secondary limit thermostat (safety shut off temp)	°C	110+/- 3 °C
Maximum hearth temperature	°C	100
Electrical supply	Volts	1ph-230-50Hz
Total consumption	kWh	0.66
Oil connection		2 x 1/4" BSP F
Max operating pressure - sealed systems	bar	3

Heat Only - External



External Installer Manual



		EOGB Sapphire 6-32 kW
Water Content	Litre	26
Weight (Dry) Heat Exchanger	Kg	46
Weight (Dry) Overall	Kg	88
Max. Heat output (Kerosene)	kW	32
Min. Heat output	kW	6
Flow connection	mm	22
Return connection	mm	22
Condensate connection	mm	22
Flue diameter	mm	81
Maximum static head	m	7.2
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Maximum hearth temperature	°C	100
Electrical supply	Volts	1ph-230-50Hz
Total consumption	kWh	0.66
Oil connection		2 x 1/4" BSP F
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Touchscreen

Our boilers are set up using a unique integrated touchscreen.

This screen allows qualified engineers to set the correct parameters, water flow temperatures as well as setting the safe, efficient combustion figures.



What type of controls can I use?

Traditional boilers simply switch on at full power or off completely. Once the room reaches temperature, the boiler shuts off — then starts up again when it cools down. This can cause temperature swings and waste energy.

With modulating control, the boiler adjusts its heat output to match what your home actually needs.

A smart thermostat constantly monitors the temperature and tells the boiler to increase, reduce, or maintain its power. If only a small amount of heat is needed, the boiler runs gently at a lower level. If more heat is required, it increases output — automatically adjusting as temperatures change.

The result is steadier comfort, improved efficiency, and lower energy use.



However, your existing or standard controls can still be used on the Sapphire Boiler, thanks to the switch live option.

Flue Options

BALANCED
STAINLESS
STEEL FLUE &
PLUME KIT
OPTIONS
AVAILABLE



Flue Manual



WHAT FLUE OPTIONS DO WE PROVIDE?

Sapphire Boilers are equipped with fully stainless steel flue systems for enhanced durability and corrosion resistance.

Multiple flue configurations are available, including low, high, low-high, and vertical options. Low level plume kits and a variety of flue accessories are also offered, providing practical solutions for a wide range of installation scenarios.

We stock all flue options in our warehouse and can ship out any orders for next-day delivery.



4 different options on our internal range

Heat Pump Range



Find out more about our Heat Pump range



SHP290 HEAT PUMP RANGE



Our SHP290 range is available in 11 sizes, with power outputs between 6 - 50 kW. Cascade options also available.



Thanks to R290 technology, the system operates without the use of any fuel gas, ensuring efficient operation without any CO2 emissions.



2 Year Warranty as standard (further options available)*.



A +++ Energy Class.



Global Warming Potential (GWP) = 0,02 compared to 675 R32.



DIMENSIONS



		6 kW	9 kW	12 kW	15 kW	18 kW	21 kW	23 kW	25 kW	27 kW
L	mm	1105	1105	1105	1105	1105	1610	1610	1610	1610
D	mm	490	490	490	490	490	710	710	710	710
H	mm	870	870	1440	1440	1440	1270	1270	1270	1270

SHP290 e-PRO Controller



Our Smart Controller is a touchscreen control system suitable for the management of both individual systems and grouped systems. The controller seamlessly integrates with the temperature sensor to allow for the management of room temperature precisely for greater comfort.



RS485 & Modbus Connectivity



Over the air Firmware Update



Easy Set Up



Web Based Monitoring & Control

HEAT PUMP INSTALLATIONS MADE SIMPLE

We believe installing heat pumps should be straightforward, efficient, and stress-free for engineers and installers. That's why we've transformed the process from the ground up.

NO MORE SYSTEM-SIZING OR DESIGN HEADACHES

Engineers no longer need to worry about calculating heat losses, sizing systems, or making sure the specification is correct before installation. We know these steps can be time-consuming and often require specialist expertise — so we handle it for you.

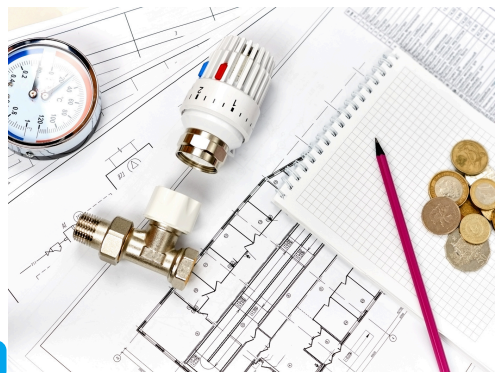
To ensure every installation is designed to the highest standard, our expert team carries out full system assessments, heat-loss calculations, equipment sizing, and compliance checks.

From the initial design right through to the final specification, we ensure every detail is accurate and aligned with current MCS standards.



What This Means for You

- No need to size systems yourself
- Accurate, compliant designs every time
- Less admin, fewer delays, smoother installations
- Confidence that every system is correctly matched to the property



Technical Support You Can Rely On

Sapphire Boilers & Heat Pumps are supported by an experienced and knowledgeable technical team, ready to assist with product guidance, installation queries, commissioning support, and ongoing technical advice.

Whether it's help during installation or advice at a later stage, our team is on hand to provide clear, practical support when it's needed most.

In the unlikely event of a fault, our straightforward warranty call-out service ensures prompt response and professional assistance from trained engineers.

Designed to minimise disruption and downtime, our warranty support gives both installers and end users complete peace of mind, knowing expert help is always available throughout the warranty period.



Training Courses

We offer comprehensive training sessions, free of charge and we cover all essential aspects of the Sapphire Boilers or Heat Pumps, equipping you with the skills and knowledge to excel in the field.

As a token of our appreciation, we also provide a complimentary lunch during the training day.

We understand that travel can be a constraint for some. We also have online courses available for the boiler range.

[BOOK YOUR COURSE HERE](#)



Dedicated Aftersales Care

Sapphire Boilers & Heat Pumps are backed by a professional aftersales service designed to provide long-term confidence and support.

Our team remains available beyond installation, offering continued assistance, coordination, and expert guidance whenever required.

We are proud that many of our new customers come through recommendation.

Our Referral Scheme rewards existing customers who introduce Sapphire to others — when a referred customer proceeds with a purchase, the original customer receives a referral reward in recognition of their recommendation.



To contact our support team, call:

01480 477066





VIEW OUR WEBSITE



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