

# Sapphire

## 6-32kW Liquid Fuel Boilers

### INTERNAL & EXTERNAL MODELS

Kerosene and HVO bioliiquid ready



**SAPPHIRE was designed with the FUTURE IN MIND!**

**Make a return on your investments circa 4 years**

Sapphire Fully Modulating Liquid Fuel Boiler, Operates via OpenTherm Protocol for smart connectivity, Intelligent flame detection functionality.

ErP and BED tested and approved.

Exceed the 2018 ErP Directive for NOx Emissions.



**OFFICIAL CLUB PARTNER**





# ABOUT US

The Sapphire Oil Boiler is manufactured by EOGB, a UK based company with over 30 years of experience in the Domestic Oil heating industry.

At EOGB, we are not only a trusted Burner & Boiler manufacturer but also a leading distributor of oil, gas, and dual-fuel burners and industry spare parts. As the principal supplier of Baltur (Italy) burners in the UK, we bring cutting-edge heating technology to homes and businesses nationwide.

Manufacturing high-performance boilers is a key part of our business, with a focus on delivering energy-efficient solutions to homeowners. Our commitment to innovation, quality, and sustainability ensures that Sapphire boilers offer exceptional reliability, performance, and cost savings.

Sapphire was officially launched in 2021, and since then become the number 1 boiler choice for many engineers and homeowners!

At EOGB, we strive to set new standards in heating technology, providing products that meet the evolving needs of modern homes while reducing energy consumption and environmental impact. With a strong network of installers and service professionals, we support our customers at every stage—from installation to ongoing maintenance.

Sapphire is the perfect solution for decarbonising as it can be converted from Kerosene to HVO bio-liquid very easily.



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# SAPPHIRE BOILERS' MODELS

All Sapphire boilers are **HVO ready** and can switching from kerosene to HVO (Hydrotreated Vegetable Oil) in future, in case of the extension of the ban on home heating oil boilers until 2035.

Sapphire boilers offer a future-proof solution, allowing you to transition to greener energy sources as they become more widely available.

## SS-SAPPHIRE-STD-04

### Sapphire 6-32kW Liquid Fuel Boiler INTERNAL KERO



A highly efficient, compact liquid fuel boiler designed for use with kerosene. Perfect for indoor installation in off-grid areas. It offers reliable heating performance while minimizing fuel consumption and NOx emissions. Its internal design makes it easy to install and maintain, providing homeowners with a cost-effective and environmentally friendly heating solution. With a wide range of outputs, it's ideal for a variety of property sizes.

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## SS-SAPPHIRE-EHK-02

### Sapphire 6-32kW Liquid Fuel Boiler EXTERNAL KERO



This boiler is designed for outdoor installation, offering efficient and reliable heating using kerosene fuel. Built with durability in mind, this weather-resistant boiler is ideal for properties with limited indoor space. It provides excellent performance, low NOx emissions, and significant fuel savings, making it both eco-friendly and cost-effective. Its robust design ensures easy maintenance and long-term reliability, making it a great choice for homes of varying sizes.

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# WHY CHOOSE A SAPPHIRE BOILER

- 🔹 25-Years Warranty on the stainless steel Heat Exchanger
- 🔹 5-Years Warranty on all Non-Serviceable components
- 🔹 Can be converted to BIO-fuel in a future.
- 🔹 Openterm thermostatic controls are compatible
- 🔹 Fuel Savings between 15-25%
- 🔹 Finance options available
- 🔹 90% carbon reduction

The Sapphire blue flame boiler provides heating engineers with a solution to fit efficient oil boilers with significantly lower NOx emissions and reduced heating bills for the customers.

Sapphire fully stainless-steel boilers are available in Kerosene and **HVO bioliquid ready variants**.

**OUR HEAT EXCHANGER IS MADE OF 316TI STAINLESS STEEL AND DESIGNED TO LAST A LIFETIME.**

**OTHER BOILERS ARE OFTEN CONSTRUCTED OF MILD STEEL AND IS LESS RESISTANT TO CORROSION.**



The Sapphire heat exchanger is designed for maximum efficiency and durability. It ensures optimal heat transfer while minimizing energy loss, This not only improves the boiler's performance but also reduces your energy bills.

# SAPPHIRE IS THE ONLY LIQUID FUEL BOILER THAT CAN DEMONSTRATE A RETURN ON YOUR INVESTMENT

With Sapphire you are investing in the future. We can give you the peace of mind knowing your boiler is futureproofed with its ability to easily transition to renewable liquid fuel HVO.

## WHAT IS MY RETURN ON INVESTMENT?

Compared to installing an alternative boiler, it's possible you will see a complete payback on your Sapphire Boiler within 4 years. By this time your boiler will still have 21 years warranty left on the heat exchanger!

## FINANCE AVAILABLE

Spread the cost of your new, energy-efficient heating system with manageable monthly payments, ensuring you get the warmth and savings you need without the upfront expense.





## Performance of a Modern Condensing Boiler compared to Sapphire

Appliance	Outside Temperature (C)	Target Temperature (C)	Fuel Usage (kWh)	Electrical Usage (kWh)
Modern Condensing Boiler	6	21	220	1.87
Sapphire Boiler	6	21	152	0.66
Modern Condensing Boiler	11	21	174	1.50
Sapphire Boiler	11	21	121	0.52

\*Notified Test House Results

- Test house data to prove a saving of 15% on fuel usage, compared to a modern condensing boiler. This due to Sapphire's unique modulating control.
- Significantly 66% reduction in electricity consumption.
- Reduction in fuel consumption in "real world" installations - 10-17% decrease of oil usage (in excess of 100 litres per month ).
- No corrosion issues thanks to the fully stainless steel construction. Perfect for low temperature heating systems.

## WHAT IS SAPPHIRE MODULATION CONTROL?

Boiler modulation refers to the ability of a boiler to adjust its heat output in response to the specific heating demand at any given time. Unlike traditional boilers that operate on a basic "on/off" system, Sapphire modulating boilers adjust their output to provide only the heat needed.

With advanced modulation technology and the KLC flame monitoring system, Sapphire boilers constantly evaluate heating needs and adjust their output accordingly.

# SAPPHIRE BOILERS & OPENTHERM COMPATIBILITY

Sapphire Boilers are fully compatible with OpenTherm thermostats. Homeowners can benefit from enhanced zoning control, underfloor heating, advanced scheduling, and better overall energy efficiency.

To maximize the efficiency and comfort of your heating system, integrating EPH Controls or Honeywell Evohome with your Sapphire Boiler's OpenTherm interface is an excellent choice!



## HVO - THE FUEL OF THE FUTURE

Sapphire boilers can be easily transition from Kerosine to HVO - a certified net zero carbon fuel produced from waste cooking oils and fats. This step can reduce NOx emissions by up to 90%.

The Sapphire boiler produces very low NOx emissions unlike more out-of-date oil boilers. This makes it a more environmentally friendly choice, helping to reduce harmful pollutants that contribute to air pollution and climate change.



# REVIEWS

“

WE HAVE NOTICED A DECREASE IN OUR FUEL CONSUMPTION, WITH IT REDUCING BY ONE TANK FILL PER YEAR, SAVING 1000 LITRES LAST YEAR.

”

**ROBIN & LAURA SMITH**

“

IT'S THE BOILER THE OIL INDUSTRY HAS BEEN CRYING OUT FOR, A TRULY REVOLUTIONARY PRODUCT. INCREDIBLY WELL BUILT WITH THE ENGINEER.

”

**J T STEAD HEATING**

“

WITH THE PREVIOUS BOILER PROVIDING ALL THE HEAT. WITH THE PREVIOUS BOILER PROVIDING ALL THE HEATING AND HOT WATER FOR A LARGE HOUSE WE WERE USING ON AVERAGE 300 LITRES PER MONTH. WITH SAPPHIRE BOILER OUR USAGE HAS DROPPED TO 200 LITRES PER MONTH.

”

**ALISTAIR DINMORE**

“

I HAVE BEEN IN THE OIL HEATING INDUSTRY FOR 26 YEARS AND CAN SAY THAT THESE BOILERS ARE AN ABSOLUTE GAME CHANGER. FULLY MODULATING HVO READY BOILER IS FUTURE PROOFING THE OTHERWISE ARCHAIC LIQUID FUEL HEATING INDUSTRY.

”

**IAN BALLARD**

“

UPGRADING EXISTING BOILER AND HEATING CONTROL HAS IMPROVED THE ENERGY PERFORMANCE OF THE BUILDING FROM BAND D TO BAND A. OUR NEW ENERGY-EFFICIENT BOILER WORKS ON HVO AND WE OFTEN FORGET THAT WE'RE NO LONGER USING KEROSENE.

”

**MATTHEW THOMPSON  
EMMA FREEMAN**

“

I'M AN OIL INSTALLER AND I CAN'T PRAISE THE SAPPHIRE ENOUGH. IT IS THE MOST VERSATILE OIL BOILER THAT I HAVE EVER FITTED AND THOUGH FAR MORE ADVANCED THAN OTHER BOILERS, IS STRAIGHTFORWARD TO INSTALL AND SET UP.

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**KARL HOFMANN**