

BLUE-TECH OIL BOILER



www.docherty.co.uk

**docherty**[®]
SINCE 1960



Docherty[®] delivers!

Fully automated, sustainable heating solutions

Since it was founded in 1960, Docherty[®] has grown to become one of the largest independent manufacturers and distributors of flue and chimney products and heating appliances in the UK.

The company's vision has always been to provide its customers with superior products, offering excellent customer service, making them market leaders in solid fuel heating products for over 55 years.

Today Docherty[®] continues to evolve by extending their product range with quality wood burning and multi-fuel stoves and a greater range of renewable solutions.

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INTRODUCTION

An oil fired condensing boiler system is a key alternative for the estimated 4 million households in the UK that are not connected to the gas network.

Oil fired condensing boilers are suitable for those who live outside the city being cut off from gas and electricity supplies. As an alternative to gas heating, oil boilers allow you to keep fuel stored near your property and top-up the unit according to the need.

Modern oil fired boilers can be very energy efficient and there are many 'A' rated models on the market.

Docherty's new Blue-Tech boiler uses the very latest Blue Flame technology and is currently the most energy-efficient domestic oil boiler in Europe. The boiler offers customers the benefit of even greater fuel efficiency and significant saving on their annual heating costs as well as being environmentally friendly.



BLUE-TECH OIL BOILERS

Built with the installer and environment in mind

The Blue-Tech oil boiler uses the very latest **Blue Flame technology** and is currently the **most energy-efficient domestic oil boiler in Europe**.

The Blue Flame technology ensures a cleaner **soot free flame** through secondary burn of combustion air which also reduces pollution to the lowest possible level, achieving an impressive level of NOx emissions of only 65mg/kW hour.

Blue-Tech is available in three models, Utility, Boilerhouse and External with two fixed outputs, 20kW and 26kW.

4 million
UK households not connected to the grid

Oil is an attractive option for heating those properties that are not connected to the main gas grid

Affordable heating fuel

	pence/kWh*
Electric	7.21
LPG	6.66
Oil	3.58

*prices correct Spring 2016



Blue-Tech Utility **A**

Blue-Tech External **A**

Blue-Tech Boilerhouse **A**

BLUE-TECH OIL BOILERS

Performance at a glance

- ✓ Environmentally friendly – Low NOx and Soot Free
- ✓ Unbeatable efficiency – The No.1 most efficient domestic oil boiler in Europe
- ✓ German **MHG burner technology** with built-in fault diagnostics
- ✓ Ultra quiet operation
- ✓ Easy to install and service
- ✓ Retro-friendly: boiler heat exchanger with 4 tappings for ease of installation in replacement situations
- ✓ Low in maintenance due to long life serviceable components
- ✓ Future proof – ErP Rating 'A' and meets future 2018 regulations
- ✓ Easy to operate with user friendly digital control panel

BLUE-TECH OIL BOILERS

Performance at a glance

- ✓ Oil turns into gas: extremely low oil consumption and particularly low emissions are the results of perfect, soot-free combustion.
- ✓ For a particularly great future: all figures fall below the statutory limits: soot count, nitrogen oxide, and exhaust gas losses
- ✓ The fan is particularly efficient and its high pressure overcomes any resistance on the combustion chamber side.
- ✓ Whisper-quiet operation because of the innovative, patented mixing system
- ✓ Absolutely reliable operation and low maintenance
- ✓ Suitable to burn both 28sec or 35sec oil



92.5%
efficiency **A**

Unbeatable efficiency:
The most efficient
domestic oil boiler in
Europe

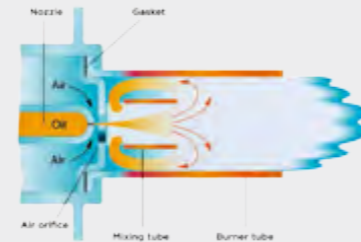
*SAP 2009/2012 annual
efficiency (%)

Latest Blue-Flame technology

MHG Burner (made in Germany)
with **Blue-Flame** technology:

Hot combustion gases are
re-circulated through the burner
blast tube, reducing consumption of
heating oil and reducing emissions
to the lowest possible level

Future proof on NOx emissions



Clean burn

only
65
mg/kWh NOx



compared to the average 140mg/kWh

The clean burning Blue Flame allows
for **totally soot free** combustion.

Built with the installer in mind

- ✓ **Retrofit-friendly:** boiler heat exchanger fitted with 4 tappings for ease of installation in replacement situations
- ✓ **Front access** for quick and easy service and maintenance
- ✓ Easy baffle system to **save time**



LATEST BLUE-FLAME TECHNOLOGY

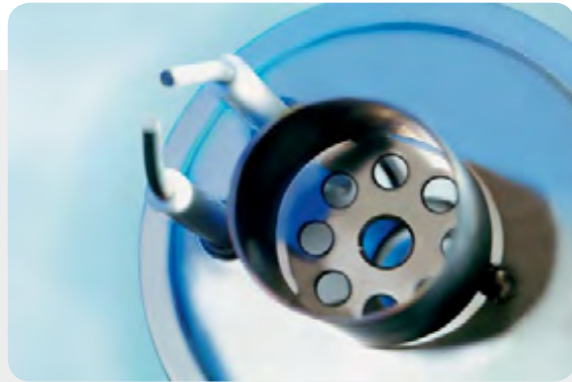
Space-age technology for oil-fired heating systems

The Rocket burner® from MHG has been on the market since 1977, using technology derived from aviation and aerospace engineering; with its blue flame it has launched a new age in heating technology.

Its perfectly functioning system of converting oil into gas was the very first of its kind to provide absolutely soot-free, total combustion.

The MHG burner represents the sum total of the experience accumulated over a period of nearly 30 years.

In 1999 the MHG blue flame burner was given the **iF Ecology Design Award** for its excellent design and ecologically leading position.



The patented mixing system in the MHG burner makes a substantial contribution to its particularly quiet operating noise.

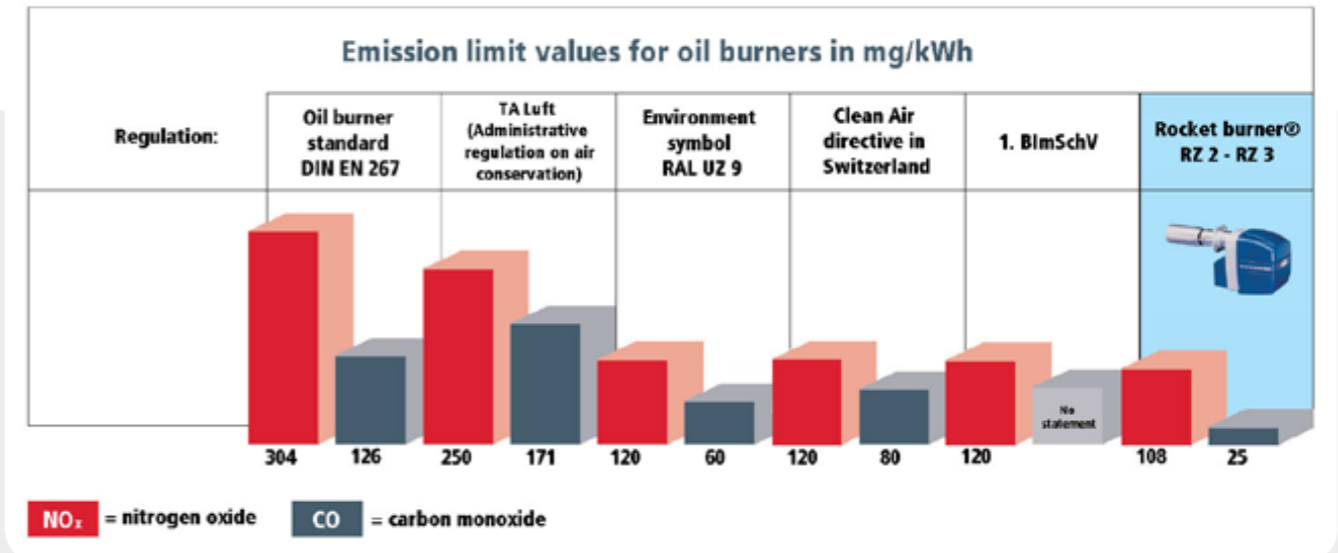


LATEST BLUE-FLAME TECHNOLOGY

Safe for the future with even less NOx

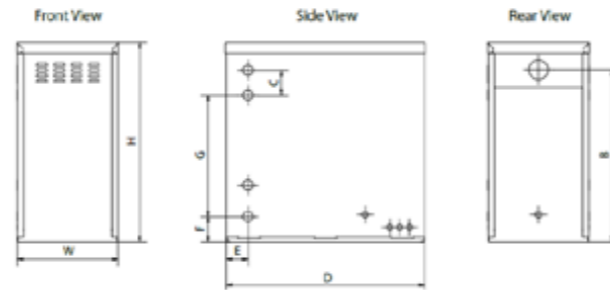
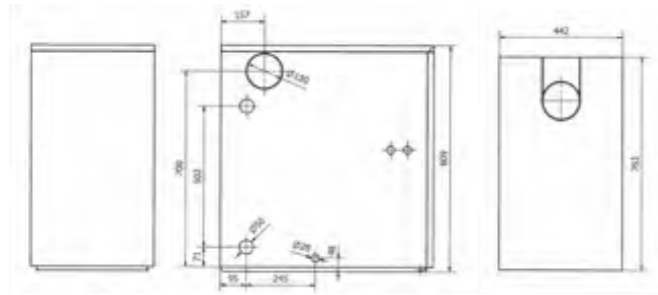
Is it possible to improve on the unsurpassable?

The strict conditions imposed by the Clean Air regulation (LRV) in Switzerland, the tightening up of the Federal Emission Protection Regulation (BimSchV) and the similarly tightened specifications for awarding the environment symbol "Blue Angel" have presented the engineers at MHG with a true challenge: In view of the fact that the other emission values of the Rocket burner® are already at the lowest possible level, the main focus of attention in further development work on this burner has been to achieve a further reduction in the NOx values, which are already very low.

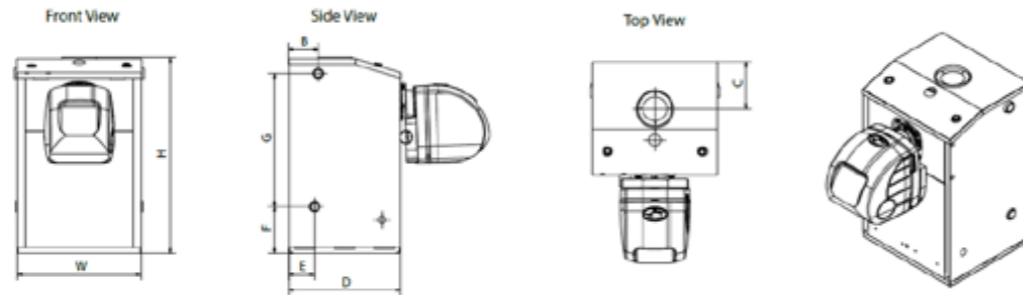


BLUE-TECH UTILITY

BLUE-TECH EXTERNAL



BLUE-TECH BOILERHOUSE



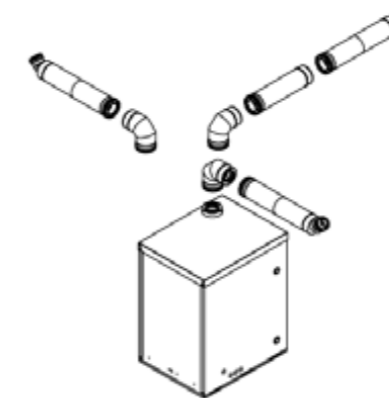
Model	Utility 20	Utility 26	Boilerhouse 20	Boilerhouse 26	External 20	External 26
Product code	DOC20K	DOC26K	DOC20BH	DOC26BH	DOC20EXT	DOC26EXT
Output	20kW	26kW	20kW	26kW	20kW	26kW
SAP 2009/2012 annual efficiency (%)	92.5%	92.5%	92.5%	92.5%	92.5%	92.5%
Weight			125 kg	125 kg	143 kg	143 kg
Dimensions (H - W - D) mm	945 x 720 x 785	945 x 720 x 785	740 x 470 x 425	740 x 470 x 425	920 x 465 x 920	920 x 465 x 920

CONDENSING FLUE KITS

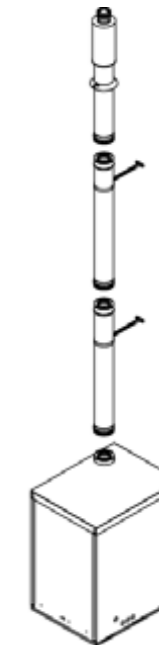
Flues are a critical part of a boiler installation. A correctly installed flue will ensure clean and efficient operation of the boiler. Firebird offer a range of high quality stainless steel and white flue kits for the Blue Supreme Oil Boiler that ensure optimum boiler performance and are designed for longer life. Two types are available:

- ✓ **TOP OUTLET LOW LEVEL FLUE**
Low level flue kits have become popular in recent years due to their convenient size and ease of installation. When installing a condensing low level flue, consideration should be given to the discharge of the condensate plume as it may cause a nuisance to neighbouring properties.
- ✓ **HIGH LEVEL FLUE (VERTICAL & HORIZONTAL)**
High level flue kits are the optimal flue system as they provide good natural draft and ensure that the flue gases are discharged away from habitable areas.

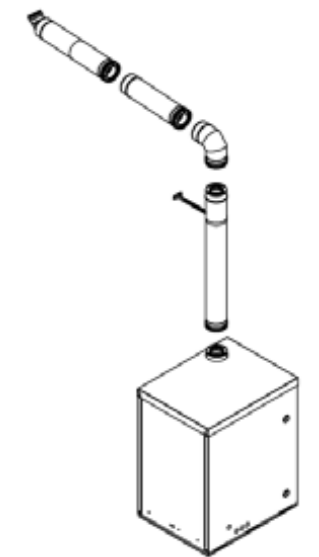
Blue-Tech flue kits	Product code
Low Level Balance Flue Stainless Steel	DOCCBF
Low Level Balance Flue White	DOCWBF
High Level Horizontal Flue Kit	DOCHFK
High Level Vertical Flue Kit	DOCVFK



Low level flue



High level vertical flue



High level horizontal flue



Docherty[®] delivers!

Quality, innovation and design

With an extensive range available in stock and our fast, reliable service and support, we make it easy for you to find the products you need.

Unrivalled branch network

Our network of 9 branches across the UK are ideally located to make your life easier, giving you same day access to 1000's of products and special offers.

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