



**HOUNSFIELD
BOILERS**

*At the heart of every
good heating system*



**Domestic Oil Fired Boilers
Designed & Made in Britain**

www.hounsfieldboilers.co.uk





My name is Andrew Hounsfield, inventor of the Hounsfield Boiler.

I would like to thank you personally for your interest in our advanced design oil-fired boilers.

You may ask, what sets our boilers apart from the rest?

We are in the business of making **superior quality boilers** rather than generating an income stream from spare parts sales. Unlike our competitors who opt for cheaper components that will last only for the warranty period, we invest in the best engineering and design solutions. A benchmark of the inherent quality in the Hounsfield boiler is the provision of an aircraft grade "life-long" flexible hose for the burner. You will not find this feature on any other domestic oil-fired boiler, despite the well-known problems associated with the degradation of rubber and thermoplastic hoses.

Our boilers have been developed with the benefit of hands-on experience as well as input from other professionals in the trade. This will be immediately evident to an installer or service engineer. From the **ease of service and installation** to ensuring "everything's in the box", right down to the inclusion of stainless-steel screws for securing the oil filter, the engineer can look forward to a straight forward installation and the customer to ongoing reliability from a Hounsfield Boiler. Our **attention to detail** is greatly appreciated, as our customers testify.

As well as providing many years of trouble-free service, our boilers are **easy to use, exceptionally quiet** and **extremely efficient**. Hounsfield Boilers meet and exceed the latest European Boiler Efficiency Regulations and safety standards, so by upgrading to one of our boilers you could **reduce your heating costs by at least 15%**. This means our customers can look forward to enjoying high performance and low maintenance costs which are **backed up by industry-leading warranty terms**.

Industry Recommendations

We are proud that our boilers have been recognised by the heating industry for their high quality and innovative design. At the prestigious H&V News Awards for 'Domestic Product of the Year 2020' we achieved a "highly commended" and we were the only boiler manufacturer in the category. We were also shortlisted for the HVR Awards for 'Best Domestic Heating and Ventilation Product' 2020, proving you don't have to be a big brand to achieve awards.

Once again, many thanks for your interest, please order your boiler directly from us or via your merchant – you will not be disappointed!

Kind regards

Andrew Hounsfield

Managing Director

andrew@hounsfieldboilers.co.uk


Tel. 01449 722461



"If you don't deal with oil boilers on a daily basis it's difficult to appreciate the difference between one boiler and the next. In this brochure we'll highlight some of the important features to consider."

www.hounsfieldboilers.co.uk



A photograph of a warehouse interior showing a long row of Hounsfield boilers. The boilers are white and dark grey, standing on wooden pallets. In the background, there are orange metal shelving units and a wooden staircase. The lighting is bright, coming from a large window or skylight at the top of the frame.

*"No other manufacturer
comes close to the
simplicity of servicing a
Hounsfield Boiler."*

Tim Clarke, Manor Heating & Plumbing





Setting the benchmark

Make sure the boiler you choose ticks all the boxes...

Paper element oil filter included

Historically, paper element oil filters were supplied as standard with most oil-fired boilers. Unfortunately, this is seldom the case these days.

A paper element filter is essential. Gauze filters commonly used do not provide adequate filtration and often lead to expensive premature boiler failure.

In supplying a filter kit, we're controlling the quality of filter installed. This will save you money in the long term and save your installation engineer the hassle of sourcing these components.



Life-long flexible oil line

Industry standard hoses are date coded. Some are referred to as "long-life" but all are made of rubber or thermoplastic, which will degrade and require regular replacement. Some are even recommended to be replaced annually.

Oil leaks caused by failed out-of-date hoses can result in expensive insurance claims for you or your engineer. We think that's unacceptable.

For peace of mind for you and your service engineer, our aircraft grade hoses are "life-long" rather than just "long-life". Teflon™ cored with stainless steel braiding, they will not degrade or require regular replacement.

Elco Burner by Ariston Thermo

We're delighted to introduce a new burner to our oil-fired boilers.

Installers know that the components we use are second to none and because our aim is to produce the very best boilers on the market, we have been working hard with Elco, part of the Ariston Thermo Group, to develop a burner of exceptional quality that is easy to service and is at the fore front of combustion technology.

The team at Elco is managed by Guiliano Corticini, formerly with Riello. He has many years' experience in the design of domestic oil burners together with a passion for attention to detail.

Our Elco burner utilises the same industry standard components we specified on the Bentone BF1 burner which means lower lifetime costs for spare parts. These are around 30% lower than bespoke Riello burner components.



elco





Boiler controls, child proof, user friendly, ultra safe

Every Hounsfield Boiler has neon indicators that are clearly visible through the casing to communicate boiler status for mains power, burner lockout and high temperature lockout. In our experience these are an essential aid for you and your engineer but are by no means an industry standard. They can also save you the cost of calling out an engineer to press a reset button.

We fit over heat limit thermostats and set these at 90°C. The industry norm is 110°C but we believe this temperature is too high and unsafe when the industry has incidents of boiling water pouring through ceilings. A lower temperature setting is safer and also provides additional protection to the boiler and its components.

Flue options: "One system fits all"

Our balanced flue twin wall system is common to all our boiler models, making selection of components easy, whether you're installing a kitchen, external or internal wall-mounted boiler.

For open-vented, conventional chimney systems we have a range of single wall rigid flue components combined with a corrugated flexible chimney liner. The flexible liner has a secondary inner smooth skin for easy drain down of condensates. It also prevents condensate penetrating the corrugated liner.

Components are manufactured using 316L stainless steel with a polished finish. Seams are laser-welded to provide an accurate and unobtrusive joint. Flue joints are "push-fit" utilising high-grade Viton seals and will not degrade as others may. Please refer to our 'Flue Options' brochure for more details.



TRADITIONAL DESIGN



HOUNSFIELD DESIGN



Modern efficient heat exchanger design

Traditionally designed boilers have a fire brick in the base with a steel plate or covers on the top.

Our design, with water surrounding the combustion box, requires a more specialised manufacturing process but produces a more efficient unit by maximising the heat transfer surface area.

Stress fractures caused by "hot spots" are avoided. Improved water circulation reduces the potential for corrosion caused by debris accumulation in the bottom of the heat exchanger.

High quality welding is a key feature of a Hounsfield Boiler. State-of-the-art Fronius synergic pulsed arc welding equipment ensures consistent weld quality.

Why choose a Hounsfield Boiler?

For the Homeowner

- ✓ Modern Compact Design
- ✓ Low Lifetime Costs
- ✓ Made in Britain
- ✓ Whisper Quiet Operation
- ✓ Five Year No Quibble Warranty
- ✓ High Quality Materials for Longer Life
- ✓ Industry Standard Components
- ✓ Laser cut 'knock-outs' leaves the casings crevice free for easy cleaning

Made in Britain

We've been granted use of the "Made in Britain" logo. Tuscan Boilers are manufactured at our premises near Stowmarket in Suffolk.



For the Installer

- ✓ Fittings Included
- ✓ Oil Filter Kit Included. Easy Installation
- ✓ Practical Design for Hassle Free Servicing & Installation
- ✓ Plug & Play Electrics
- ✓ Versatile Flue Options
- ✓ 'One System Fits All' Flue System
- ✓ Five Year No Quibble Warranty

Award Finalists

We're proud that our boilers have been shortlisted and won prestigious industry awards in recognition for their high-quality and innovative design. We won a 'Highly Commended' for the H&V News Awards for 'Domestic Product of the Year', and were a finalist for the HVR Awards for 'Best Domestic Heating and Ventilation Product'.



Five Year No Quibble Warranty

Our industry-leading warranty covers all components for five years, rather than just the heat exchanger, as you'll find with many manufacturers. On the rare occasion of either a manufacturing or installation fault occurring, we have a "no quibble" policy.

For heat exchanger replacement after the warranty period, we have a discounted pricing structure based on age. The full price is only chargeable in year eleven.

Our only condition of warranty is that the boiler installation is registered with us and is serviced annually. On registration of their boiler, homeowners are sent a warranty certificate.



Don't take our word for it...



Here's what our customers and installers have to say about our boilers...

"Thanks to Andrew Hounsfield's desire to produce a great product. We have been installing Hounsfield Boilers for some time and the small but important improvements over the years is keeping the Tuscan range at the top of the league for both ease of installation, servicing and performance."

Ricky Dudderidge - Elanar Technical Services Ltd

"The best oil boiler on the market, with thought given to the installer and the service engineer, and customer."

Ray Corder - Only Oil Ltd

"Like night and day compared to other oil-fired boilers on the market. Just looking inside the case you can see the heat exchanger and welding is far superior quality."

Darian Takieh - Dynamic Mechanical Ltd

"This is to say how delighted we are with our new Hounsfield Boiler. We have enjoyed the most comfortable winter since we moved into our house in Cornwall almost 17 years ago. We wish you well with your business which is exactly the type of business our country needs. Thank you for providing an excellent British Product."

David & Iris Laycock

Order your boiler today...

Via your merchant or directly on:

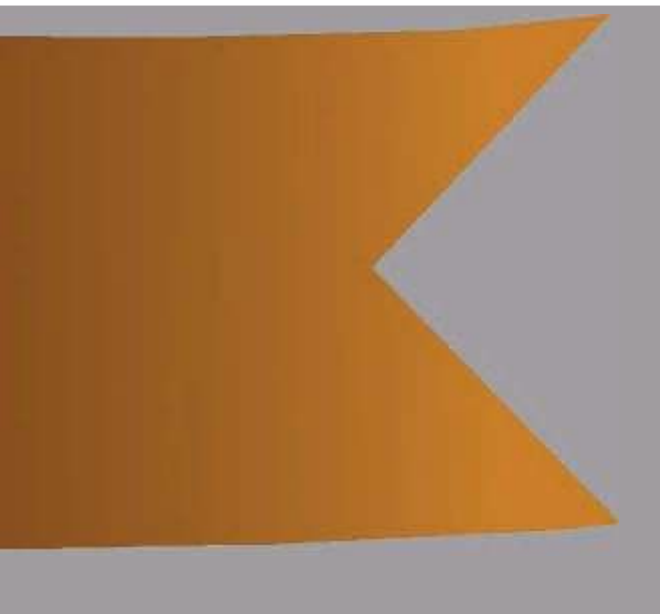
01449 722461

enquiries@hounsfieldboilers.co.uk

www.hounsfieldboilers.co.uk



**HOUNSFIELD
BOILERS**



TUSCAN Kitchen Model

The detail that makes the difference...



Laser Cut Knock-Out options ensure a neat and tidy finish to the casing

Visible Neons

Left or Right Side Water Connections

Smart, Fully Enclosed Casing



ADVICE

Watch our installation video by scanning the QR code



SAFETY FEATURE

Limit thermostat set to 90°C



Out-Of-Sight Option for Oil Line

Fire Valve Clip

Plug & Play sockets For mains and burner



Life-Long Stainless Steel Turbulators

Fully Insulated Casing & Heat Exchanger

elco

Hounsfield Burner

QUALITY POINT

Every burner is test fired and comes pre-bled with kerosene but will need commissioning once installed.



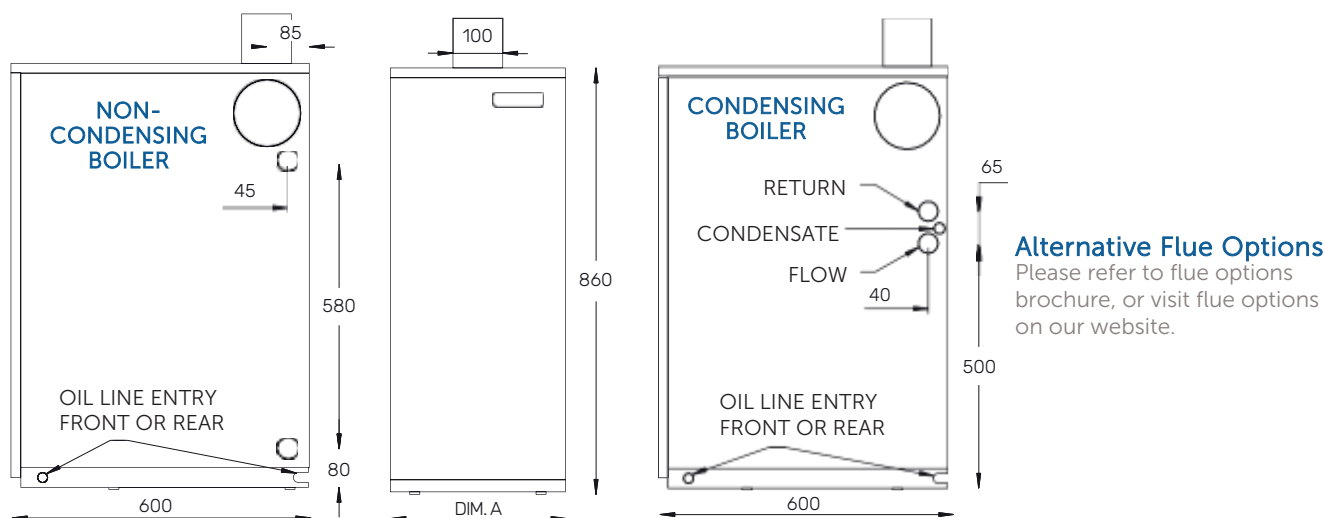
Life-Long Flexible Oil Line

Single Pipe Oil Supply System



Technical Data

Model	Condensing	Dim.A	Output kW	Output BTU/hr x 1000	ERP Rating	Full load efficiency %	Water connections		
							Flow	Return	Drain
12/19	yes	350	12-19	41-65	A	96-97	¾" BSP	22 mm	21.5 mm
20/25	yes	350	20-25	68-85	A	96-97	¾" BSP	22 mm	21.5 mm
26/30	yes	460	26-30	90-100	A	96-97	¾" BSP	22 mm	21.5 mm
50/70	no	460	14-21	50-70	C	92-93	1" BSP	1" BSP	-
75/95	no	460	22-28	75-95	C	92-93	1" BSP	1" BSP	-



Installation of non-condensing boilers is only permitted for replacement of existing installations, essentially where a boiler is not located near an external wall. Please refer to the exemption criteria in the technical section of our web site.

OPTIONS

- ✓ Condensate soakaway kit with lime chippings
- ✓ Remote acting fire valves 3-35 mtrs.
- ✓ Control panel with integral frost thermostat i.e. for garage installations.

“ We bought one of these on the recommendation of our heating engineer. Absolutely reliable and we have been very pleasantly surprised at how economical it is.”

Paul Barnard



TUSCAN External Model

The detail that makes the difference...



ADVICE

Watch our installation video by scanning the QR code



SAFETY FEATURE

Limit thermostat set to 90°C



Stainless Steel Fasteners

True Balanced Flue

Visible Neons

Small Footprint

Fire Valve Clip

Plug & Play sockets for mains and burner

Life-Long Stainless Steel Turbulators

40 mm 45 kg Insulation

Condensate Trap

elco
Hounsfield Burner

Press & Hold Service Test Switch

Integral Water Temperature Frost Thermostat

Life-Long Flexible Oil Line

Single Pipe Oil Supply System

Adjustable feet

Front or Rear Entry for oil and condensate

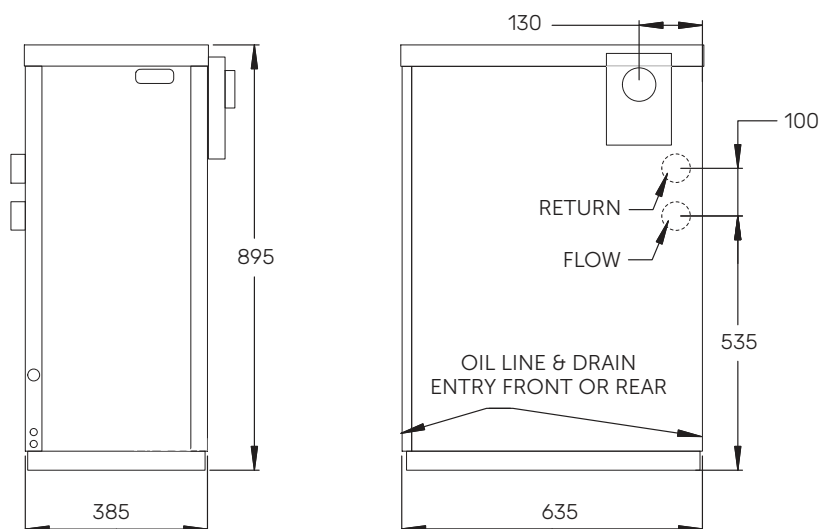
QUALITY POINT

Every burner is test fired and comes pre-bled with kerosene but will need commissioning once installed.



Technical Data

Model	Output kW	Output BTU/hr x 1000	Full load efficiency %	ERP Rating	Water connections		
					Flow	Return	Drain
12/19E	12-19	41-65	96-97	A	¾" BSP	22 mm	21.5 mm
20/25E	20-25	68-85	96-97	A	¾" BSP	22 mm	21.5 mm



Alternative Flue Options

Top outlet balanced flue, ideally suited for installation in out-buildings or where condensate plumbing is an issue. Flue options are as Kitchen Model Boilers. Please refer to flue options brochure, or visit flue options on our website.

Right Side, Low Level Balanced

IMPORTANT: Right side flue is standard, as above and photo opposite. If left side flue is required please specify when ordering.

OPTIONS

- ✓ Condensate soakaway kit with lime chippings
- ✓ Remote acting fire valves 3-35 mtrs.
- ✓ Vertical or horizontal balanced flue options



Just to say thanks very much for a very prompt service and delivery. On first inspection I have to say I'm very pleased and impressed with the build quality."

Con Millar & Sons

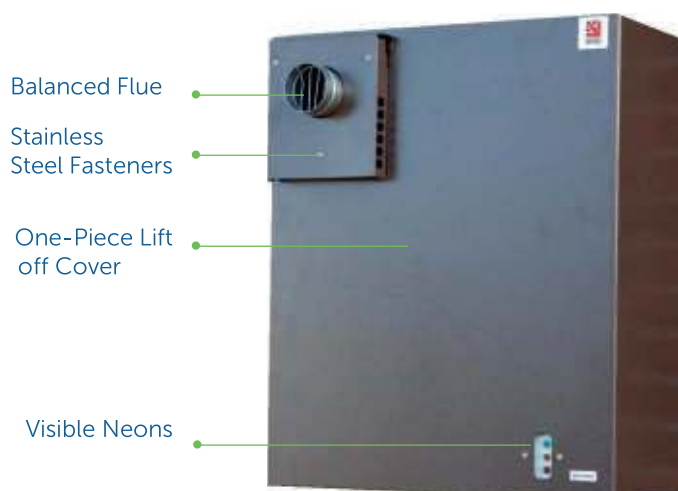
UNIQUE FEATURES & BENEFITS

- ✓ **Small foot print** - just 385 mm wide by 635 mm depth.
- ✓ **Suitable for installation in outbuildings** - when installed with high level or vertical balanced flue kit.
- ✓ **Front or rear entry** - for oil line, fire valve and condensate drainage provide optimum installation flexibility.
- ✓ **A true "balanced flue" terminal** - eliminates combustion problems associated with exhaust simple pipe outlets.
- ✓ **Integral frost thermostat** - senses water temperature rather than air temperature, prevents nuisance unnecessary boiler ignition.
- ✓ **Press and hold** service test switch avoids the hassle with a rocker switch left in the "test" position.
- ✓ **Single pipe** suction lift oil supply system means no deaerators such as Tigerloops are required.

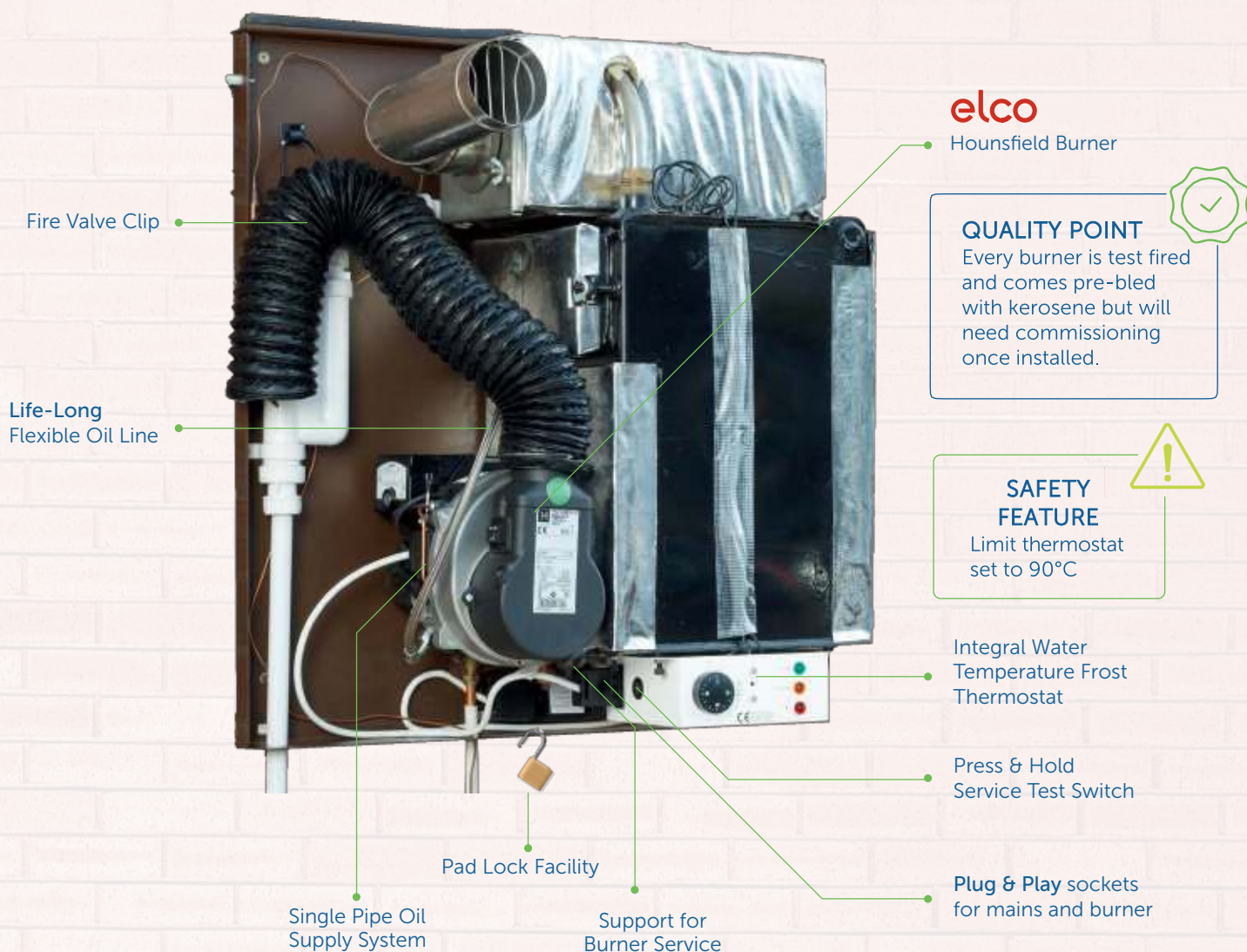


TUSCAN Wall-mounted External Model

The detail that makes the difference...



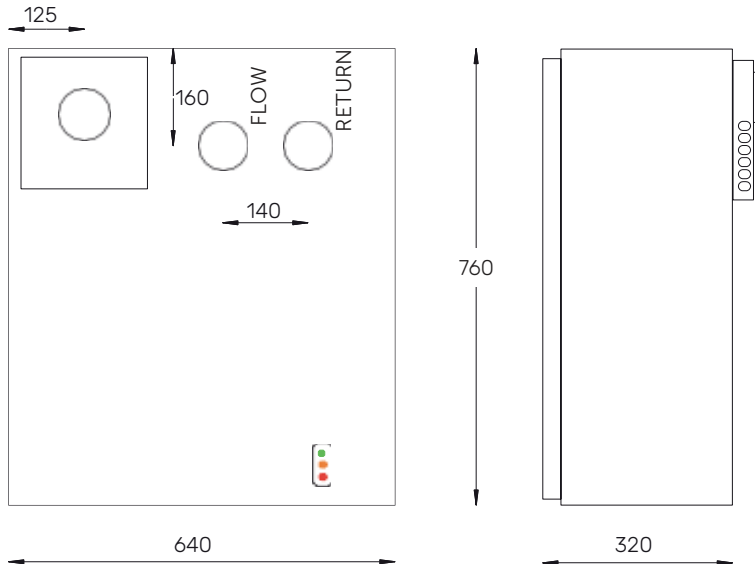
Burner Service Position



Technical Data

Part No.	Model	Output kW	Output BTU/hr x 1000	Full load efficiency %	ERP rating	Water connections Flow		
						Flow	Return	Drain
12/19WM-EXT	12/19 External	12-19	41- 65	96- 97	A	22 m	22 m	21.5 m

Utilising the “*tried and tested*” heat exchanger of our Tuscan floor standing boiler.



Included, and pre-assembled, oil filter, fire valve and non-return valve.

OPTIONS

- ✓ Condensate soakaway kit with lime chippings



I love the compact design of Hounsfield Boilers – it makes for a really neat installation.”

Andrew Mugleston, Mugleston Heating & Plumbing

UNIQUE FEATURES & BENEFITS

- ✓ Compact size - 315 depth, 640 width & 750 high.
- ✓ A true “balanced flue” terminal- eliminates combustion problems associated with exhaust simple pipe outlets.
- ✓ Integral frost thermostat - senses water temperature rather than air temperature, prevents nuisance unnecessary boiler ignition.
- ✓ Press and hold service test switch avoids the hassle with a rocker switch left in the “test” position.
- ✓ Pre-assembled oil filter / valve kit saves time and hassle on site.
- ✓ Stainless fasteners- complement a tough weather proof casing, painted inside and out for additional protection.
- ✓ Keep it simple installation- with a “two-piece casing” and just three principal stages for installation.
- ✓ Single pipe suction lift oil supply system means no dearerators such as Tigerloops are required.



TUSCAN Wall-mounted Internal Model

The detail that makes the difference...



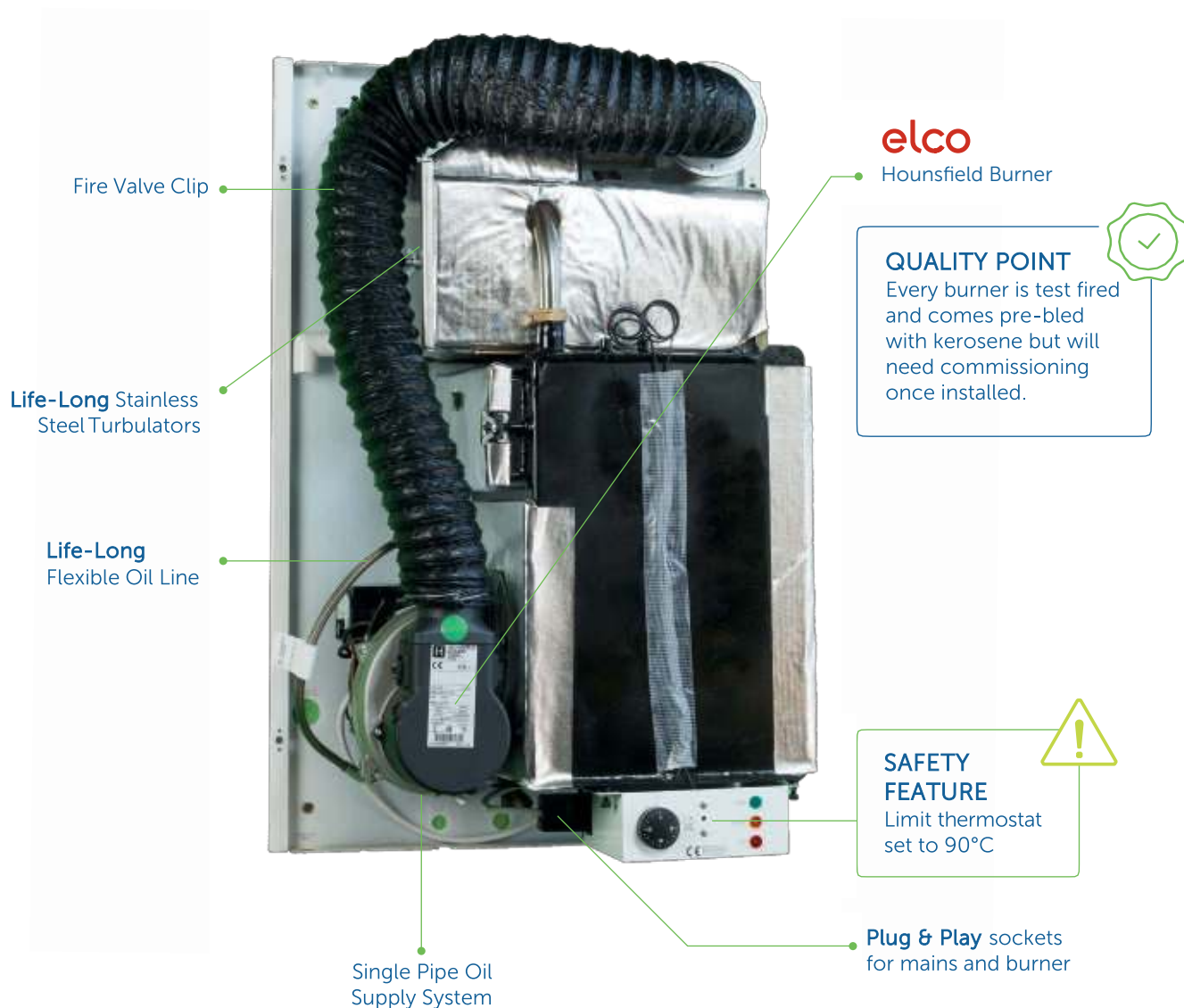
Vertical or Horizontal
Balanced Flue

One-Piece Lift Off Cover

Visible Neons



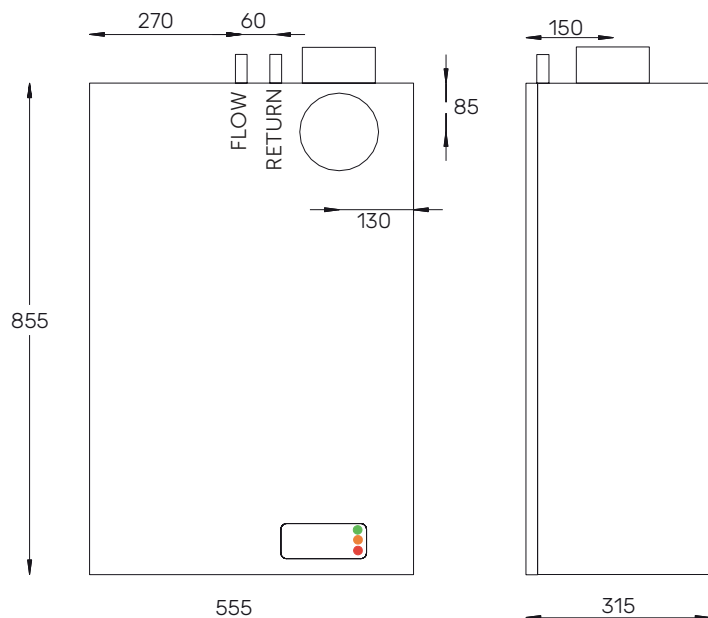
Burner Service Position



Technical Data

Part No.	Model	Output kW	Output BTU/hr x 1000	Full load efficiency %	ERP rating	Water connections		
						Flow	Return	Drain
12/19WM-INT	12/19 Internal	12-19	41-65	96-97	A	22 mm	22 mm	21.5 mm

Utilising the “*tried and tested*” heat exchanger of our Tuscan floor standing boiler.



Included, and pre-assembled, oil filter, fire valve and non-return valve.

OPTIONS

- ✓ Condensate soakaway kit with lime chippings.
- ✓ Control panel with integral frost thermostat i.e. for garage installations.

“ Just commissioned first Hounsfield boiler. What a dream to fit. Simple wiring. Connections either side.”
K. Fisk Plumbing

UNIQUE FEATURES & BENEFITS

- ✓ Compact size - 315 depth, 555 width & 855 high.
- ✓ Vertical or Horizontal flue options.
- ✓ Keep it simple installation- with a “two-piece casing” and just three principal stages for installation.
- ✓ Pre-assembled oil filter / valve kit saves time and hassle on site.
- ✓ Single pipe suction lift oil supply system means no deaerators such as Tigerloops are required.



