



**HOUNSFIELD
BOILERS**

INSTALLERS' PRESENTATION FOLDER



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



www.hounsfieldboilers.co.uk

Why Specify a Hounsfield Boiler?

At Hounsfield Boilers we're proud of our boilers and their revolutionary design. We realise we're not the biggest or the most well-known boiler manufacturer in the UK, but that doesn't stop us from being the best.

Heating engineers love our boilers and once they specify a Hounsfield Boiler they remain loyal and often ensure their home is fitted with a Hounsfield Boiler too!

Why specify a Hounsfield Boiler?

- Our products have been designed without compromise using the best engineering solutions, aircraft grade materials and industry standard components. The company was set-up by Andrew Hounsfield in 2008 to introduce a revolutionary oil-fired boiler to the marketplace. Andrew has over 30-years' experience designing boilers for the biggest boiler companies, including Boulter.
- Our five-year no quibble warranty is industry-leading, the only condition is that the boiler is serviced annually. There are no other catches or small print – it really is that simple. We make exceptionally high-quality boilers that we believe in, so we don't need any get out clauses!
- Many big names in the boiler industry have disappeared over the years, such as Myson, Trianco and more recently Thermecon: this has generally been a result of poor-quality products and losing sight of customer needs. At Hounsfield the quality of our boilers speaks for itself and as we are not a large multinational company, we can remain committed to our customers and are always available to listen and advise installers.
- We know our boilers are the best on the market: that's why Andrew is proud to put his name on them.
- We're proud to announce our wall mounted boilers have made it to the shortlist for a prominent national award. The H & V News Awards showcase for the very best products within the heating and ventilating industry.



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Tuscan 20/25 External Model



A contemporary kitchen,
Tuscan 12/19 Kitchen Model.
Homeowners were delighted
with the slim size.



Tuscan 20/25 with 150 ltr.
pressurised domestic hot
water cylinder.
(Replaced a combi boiler)



Tuscan 12/19 with 150 ltr.
pressurised domestic hot
water cylinder.
(Replaced a combi boiler)



Pakenham Church
Tuscan 20/25 Kitchen Model provides
heating for what was originally a Victorian
coal fired under-floor heating system

Glenham Hall, Suffolk
Tuscan 20/25 Kitchen Model provides
heating for domestic hot water.





Helmingham Hall, Suffolk.
A Tuscan Kitchen model boiler converted to fit in the casing of an Agamatic boiler provides heating and hot water to living quarters.



Rock star Suzi Quatro's moated Elizabethan mansion in Essex, is heated with a Tuscan Kitchen Model 75/95 non-condensing boiler.



The Sir Max Atkin a converted life boat.
Tuscan 12/19 external boiler firing on diesel.

Tuscan External model, paint colour to customer's requirements.



Tuscan 12/19 kitchen Model EOGB Energy Products Ltd. training centre



IT'S ALL IN THE BOX!

We're always thinking of ways to make boiler installation and servicing easier.

Here's one example - every boiler is supplied with a factory assembled oil filter kit, (option 1) with an isolation valve to make changing the filter element easier. Oil line inserts, stainless screws and rawl plugs are also included.

You may prefer swaged fittings, require a fire valve and / or non return valve, just let us know when placing your order.



Option 1 standard kit, supplied with boilers



Option 2 - swaged pipe fittings



Option 3 - fire valve factory assembled



Option 4 - NRV fitted for sub-gravity systems
(Included with all wall mounted boilers)

We choose components carefully: here's a few quality points that make the filter and fire valves we use better than most:

The filter

- has a life-long O-ring, we know it's not easy to change these in most Crosland style filters.
- two screws are provided to check fuel flow across the filter element.
- the mounting bracket is tall enough to allow access for drills & screw drivers.
- fasteners are all stainless steel.

Fire valves

- use oil as the expansion medium, preventing nuisance trip outs, unlike Teddington and others which use gas.
- capillary lengths up to 35 mtrs.
- integral compression fittings so there is no need for additional pipe fittings.

NO JOB TOO BIG FOR HOUNSFIELD

All too often in the past boilers were over sized, here's one example:

Hounsfeld provide the heat at Ringshall Grange

Ringshall Grange, an eight-bed listed manor house in Suffolk, used for self-catering holiday breaks, has installed two Hounsfeld oil-fired boilers to ensure its guests are kept warm.

The manor house's old 60kW oil boiler had started to show its age, according to owner, Laura Ormerod, who needed a very reliable new boiler that would not cause any maintenance issues for her or the guests. Laura turned to Kevin Brand of Brand Plumbing and Heating Limited in Bury St Edmunds and asked him for his recommendation.

Kevin says: "Hounsfeld boilers are renowned for their excellent quality, price and reliability plus they are very economical to run, so I didn't hesitate to recommend these boilers



to Ringshall Grange as I knew they would be up for the job! In fact, I have a Hounsfeld boiler in my own home as I know they're the best."

Ringshall Grange has a large heat consumption which meant either a commercial boiler or two domestic boilers were needed. Kevin and Laura decided that the two-boiler option would be the best solution, as Laura

says: "That way, should one ever fail there would be a back-up to ensure guests are never short of heat, and that gives me peace of mind."

The installation was straightforward, as Kevin explains: "Hounsfeld are very knowledgeable, and their customer service and advice to installers is second to none. I discussed the two-boiler solution with the Hounsfeld team and they were very insightful about using a multiple boiler system."

Kevin installed two Hounsfeld Tuscan kitchen oil-fired boilers which have an output of 26-30 kW. The boilers are designed and manufactured in Britain and have a five-year warranty.

www.hounsfeldboilers.co.uk

Oil Installer Winter 2019

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Here we have two 26/30 Kitchen Models, they replaced a Trianco 60 kW boiler.

A large house with eight bedrooms, four bathrooms, the home owner, Laura tells us the house is heated by just one boiler for most of the time.

“We never talk about the throw away culture that dominates the heating and plumbing world”

Choose long life in a disposable world

In what seems to have become a ‘disposable world’, **Andrew Hounsfield**, owner and inventor of the **Hounsfield Boiler**, says his company is making waves to create products built to last.

I had worked in the domestic heating industry for many years, and I didn’t like the way the industry was moving.

Price instead of quality had become the major driver and it saddened me that increasingly inferior products were making their way into the supply chain. At this stage, I decided it was time to move on and design my own boiler.

I wanted the Hounsfield Boiler to benefit from a wide variety of stand-out qualities, such as long-life components, to ensure the boiler would stand the test of time. Industry has become very ‘throw-away’ with the use of mediocre components accepted as the norm, perhaps the objective being to generate more business from spare part sales? Call me cynical, but how do we differ? A good example of our high grade parts is the specification of the hose we use for flexible oil lines, which has a Teflon core and stainless-steel braiding, it is aircraft grade material, instead of the industry standard – rubber or thermoplastic – which we all know will degrade and require regular replacement. Oil leaks caused by failed out-of-date hoses can result in expensive insurance claims for homeowners or engineers, a situation which wouldn’t occur if manufacturers supplied hoses which were “fit for purpose”.

For homeowners and heating engineers, “warranty”, in recent years, has become a top-of-mind big issue, no doubt a result of bitter experience. However, warranties still contain reams of small print, perhaps designed as a “get out” clause by most manufacturers, or an income stream for spare parts/replacement boilers? Manufacturers are also demanding that certain components, such as supposedly ‘long life’ hoses, which only last a few years, and even fuel pumps are included in a list of items that need to be replaced as a condition of warranty – it really does beg the question, what is the lifespan and what does warranty actually mean?

As an industry we all talk about becoming increasingly environmentally friendly, and that’s great. I applaud any player within the industry which ensures their products run more and more efficiently. However, we never talk about the throw away culture that dominates the heating and plumbing world. How can it be good for the environment, if we’re constantly manufacturing and throwing away components or boilers because they were simply not made to last? Yes, some of our materials can be recycled, but the majority are thrown on landfill, which has a devastating effect on our environment.

Our ethos is different. We design with homeowners and installers in mind. Our products are built to last and do exactly what they say they will do. I strongly believe we should go way beyond offering one, two, or even five-year warranties.

What is the point of increasing efficiency if the boiler itself is only built to last five or ten years? How is this reducing our carbon footprint? If we produce boilers that we expect to last 15 or 20 years minimum, then the raw materials to manufacture will be greatly reduced.

The industry has achieved this in the past, last year I replaced a 50-year old model and on average older boilers are lasting 20-25 years, a period when warranties would have been just 12 months, we really need to start a sea of change.

I’m not naive, I do realise that some components will experience wear and tear and will need to be replaced. Boilers need to be designed to allow heating engineers easy access to all areas of the boiler for maintenance work and replacement of vital components. How many times have you heard an engineer turn to a customer and say: “I can fix it, and the part is small, but I would have to take the boiler to pieces, which will take me all day, so it would be cheaper for you to buy a new boiler”. This is unacceptable.

Our boilers are made to last and come with a no quibble five-year guarantee. How do we make them so robust? We search and test for the very best components and although they may make the boiler slightly more expensive to buy, the return on investment for the homeowner is undeniable.

At Hounsfield our focus is on lifetime performance, energy-efficiency and ease of installation and maintenance for heating engineers. It would appear that many of the big brands in the industry are more interested in profit and blinding customers with false warranties. To a degree I don’t blame the big brands, but I really do question why government or OFTEC aren’t forcing the industry to take the same steps we have in developing more durable boilers.

WWW.HOUNSFIELDBOILERS.CO.UK



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Latest News

Local MP visits Hounsfield Boilers

Hounsfield Boilers recently welcomed Dr Dan Poulter MP to its Needham Market factory. The MP went on a tour of the factory and took part in a discussion on how boiler manufacturers can reduce their carbon footprint.



Andrew Hounsfield showing Dr Dan Poulter, MP, around the factory.

Andrew Hounsfield, Hounsfield Boilers managing director, led the MP around the Hounsfield factory and introduced him to the new Tuscan oil-fired boilers.

Dr Poulter said: "Hounsfield Boilers are a great example of British manufacturing at its best. They've created a revolutionary design and build boilers to last, which is ideal for helping us all reduce our carbon footprint."

Hounsfield Boilers are designed to be long lasting and are built with energy efficiency in mind.

Mr Hounsfield described why he decided to invent the Hounsfield Boiler, saying: "I had worked for some of the biggest UK boiler companies, but I had become frustrated - manufacturers had become too price focused, which had driven down the quality of the boilers on offer.

"I decided to put the customer first and invent a boiler which would minimise the lifetime running costs for the homeowner and create a practical design that's easy to install and service for the installer."

16 October 2019



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Ventilation in cruise ships

Remote meter reading device from Energy Billing

HETAS welcomes draft Environment Bill

Finn Geotherm scoops award for Raynham Hall Project

The Big Innovation Pitch returns in 2020

Diary



Tuscan 12/19 External Wall Mounted Boiler - Quick installation guide

Unpacking the boiler

- Remove:
- front cover - loosen two cap screws.
 - burner assembly
 - heat exchanger assembly

Mounting the wall plate

Wall plate fitting kit includes a 10 mm masonry drill and seven Rawl plugs.

Drill & fit Rawl plug in this position first, check and adjust wall plate for square.

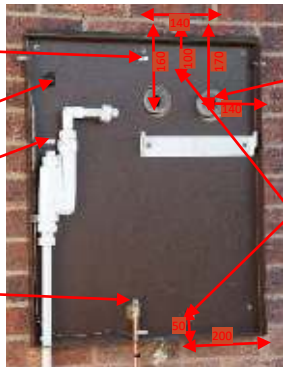
Air duct support

Fire valve clip

Pre-assembled bulkhead fitting.

Drill two circa 80 mm holes

Electric cable entry point options



Electrical connection

Plug & socket connections for mains power and burner. Permanent live supply required for frost thermostat.



Hounsfield launches wall-hung boiler range

Oil-fired domestic boiler manufacturer, Hounsfield Boilers, has launched new models extending the range of its Tuscan oil boilers.

The company's new Tuscan wall-mounted heat-only oil-fired boilers are available in two models, the internal and the external, with an output of 12-19kW. Both models are equipped with the life-long aircraft grade stainless steel Teflon cored flexible hose, that will not rot or degrade; a Bentone BF1 burner; plus thicker insulation to retain heat and reduce noise. The new external wall-hung models also include a frost thermostat which senses water temperature rather than air, a tough weather proof casing and a compact size of 640mm x 760mm x 320mm.

Managing director, Andrew Hounsfield, commented: "We've designed our boilers to be the most cost-effective, durable and easy to install on the market. All of our Tuscan boilers come with a five-year no quibble warranty and all come with everything in the box – even the masonry drill bit for wall-mounted boilers – so there will be no need for dashes down the merchants to get a part.

"We're really proud that our customers keep returning to Hounsfield as they know they can rely on the quality of the design and manufacture as well as know the boilers are incredibly easy to install and service."

He added: "Every boiler undergoes over fourteen quality checks during manufacture, including the burner which is test fired and is pre-bled with kerosene; the oil filter and fire valve kit comes pre-assembled – features designed to save time and hassle for the installer."

Hounsfield Boilers was set up in 2008 by Andrew Hounsfield after 30 years in the boiler industry, having worked for some of the biggest boiler companies in the UK. With an engineering background his aim was to design an affordable, high-performance, high-specification oil-fired boiler that was easy to install.

Hounsfield boilers can be ordered via merchants or direct from the company.

www.hounsfieldboilers.co.uk



Andrew Hounsfield with the new Tuscan wall-hung boiler

Tuscan 12/19 Internal wall mounted Quick installation guide

Unpacking the boiler

- Remove:
- front cover - loosen four retaining screws.
 - burner assembly
 - heat exchanger assembly

Mounting the wall plate

Wall plate fitting kit includes a 10 mm masonry drill and seven Rawl plugs.

Drill & fit Rawl plug in this position first, check and adjust wall plate for square.

Fire valve clip

Air duct support

IMPORTANT - ALLOW 100 MM CLEARANCE TO LEFT SIDE OF CASING FOR SERVICE ACCESS

Pre-assembled bulkhead fitting.

For horizontal flue installation drill circa 127 mm hole for flue

Electric cable entry points



Electrical connection

Plug & socket connections for mains power and burner.

OPTION

A control panel with an integral frost thermostat for garage installations. Pt. No. EL20008



30 Oil Heating

Thinking ahead: tips on installing an oil fired boiler

What are some of the key things you need to consider before fitting an oil fired boiler? Andrew Hounsfield from Hounsfield boilers offers advice on how to ensure a trouble free installation.

Heating engineers in urban areas may well be scratching their heads as to why oil fired boilers exist. The answer is simple, in rural areas many homes are not connected to mains gas and must rely upon other energy sources, which usually means either LPG or oil. A modern oil fired boiler is more cost efficient than its LPG rivals, fuel costs being up to 30% less (for a three-bed home average over the last four years) which makes oil a very attractive option. So, what do you need to consider when installing an oil fired boiler?



Andrew Hounsfield
Founder and MD at Hounsfield Boilers

ABOUT THE COMPANY

Hounsfield Boilers was set up in 2008 by Andrew Hounsfield after 30 years in the boiler industry. Andrew had worked for some of the biggest UK boiler companies and noticed that there was no product on the market that could offer high quality, long lasting components at an affordable price. With his engineering background he designed a new oil fired boiler that features a heat exchanger design where the traditional fire brick in the base with a steel plate or a cover on the top has been replaced with water surrounding the combustion box to maximise the heat transfer surface area. Read more about the Tuscan range on page 34.

Article 4 Direction Conservation Area, or forward of the dwelling's front elevation, you will need to apply for planning permission.

Flue decisions

The boiler will need a flue system which will remove unwanted gases produced by the boiler. For safety reasons, it is mandatory for flue terminating positions to be sited in accordance with the requirements of Building Regulations Approved Document J. The more stringent requirements detailed in BS5410:2014 (Code of Practice for oil fired installations)



A stainless steel flue is the best option for oil fired boilers



Wherever the boiler goes it must be easily accessible for service and maintenance

are advisory and are intended to ensure that plume from wet flue products do not impinge on, or significantly affect, the use of the householder's dwelling and also reduce the possibility of nuisance to neighbouring buildings. A suitable flue diverter may provide a resolution for awkward installations.

Choose your flue wisely – plastic flues in time may be affected by the high levels of residual heat in the mass of an oil boiler, which can cause the plastic flue to break and need replacing, whereas a stainless steel flue is a long lasting alternative.

Domestic flues will not require planning permission unless they are situated on a listed building. However, a straight like-for-like replacement may not need planning consent, but a new flue opening may require permission if historic materials are to be removed. If in doubt, always check with the Local Planning Authority.

Condensing or non?

There are two types of oil boilers – condensing and non-condensing. Condensing boilers should be the default boiler of choice as they are more energy efficient, recycling flue gases via a secondary heat exchanger. Non-condensing boilers are only permitted for replacement of an existing installation, essentially where a boiler is not located near an external wall. The Building Regulations considers the additional cost of installing a condensing boiler in this situation as unnecessary.

Deaerators

Where oil level is below the burner, i.e. wall mounted boilers, there will be some heating installers who may still believe that a deaerator such as the Tiger loop is required. Whilst this is true for boilers which have a Riello Burner, deaerators are not required for some domestic boilers. In fact, for the domestic customer, Tiger loops are an unnecessary

Installation and maintenance cost plus a potential environmental hazard should they fail. Recent recommendations are that deaerators should be replaced every ten years – something that may be difficult to monitor.

Boiler siting

Most homeowners will want a boiler situated inside their home, usually in the kitchen. Oil boilers used to be large, smelly and noisy. That's changed these days with some extremely small, well insulated and quiet boilers available. Wherever the boiler goes, it must be easily accessible for service and maintenance. If an external oil boiler is the desired choice, then the homeowner must be prepared for a reduction in heat efficiency, as some heat will be lost to the atmosphere.

There's an increasing trend towards installing external condensing oil fired boilers, perhaps to get around the difficulties of installing a boiler internally, but, considering the issue of heat loss, it is arguable whether this is in the best interests of the homeowner.

Commissioning

Once installed, the boiler will need to be commissioned. The length of the flue will impact on the draw to the boiler. Some burners will be test fired before dispatch but will still need to be commissioned. This should be carried out by an OFTEC registered 'competent person', as they can self-certify the installation for Building Regulations. If you, as the installer, are not OFTEC registered, then the commissioning phase is the time to bring in an OFTEC engineer. Alternatively, contact the Local Building Authority or your client's new boiler will not be complying with Building Regulations, which will lead to issues when the house is sold.

Regular servicing

Once the boiler has been installed it will require servicing on a yearly basis. Some boiler brands will insist that only their engineers are able to service the boiler for their warranties to be valid. This can impact on repeat trade for a heating engineer. Also be aware that some manufacturers use bespoke, non-industry standard parts that can be difficult to source from your usual merchant, so ensure you choose wisely.

Further information

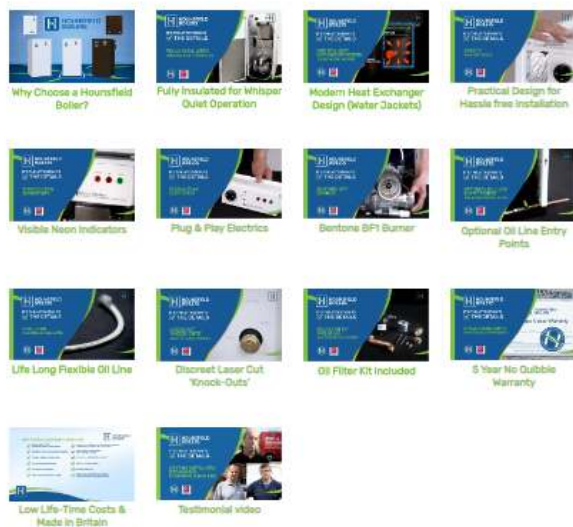
To discover more about installing oil fired boilers and watch Hounsfield's how-to videos, simply use the link below.
■ phamnews.co.uk/0919/25

Brochures and Installation Videos

<https://hounsfieldboilers.co.uk/brochures-videos/>

Videos – Why Choose a Hounsfield Boiler?

Comprehensive library of videos on what, where, how of the Tuscan oil boiler. Click the video image or title to view the video in full size.



Step by Step Video Guides

Click the video image or title to view the full size video.



On- line “add to quote” system. <https://hounsfieldboilers.co.uk/shop-online/>

The screenshot shows the Hounsfield Boilers online shop interface. At the top is a green navigation bar with the Hounsfield Boilers logo and a search bar. Below this is a yellow bar with links: REGISTER BOILER, TECHNICAL, FLUE OPTIONS, HEATING SYSTEMS, BROCHURES & VIDEOS. The main content area has a large blue banner with the text "SHOP ONLINE". Below the banner, there's a section titled "Shop Online - Add to Quote" which displays a grid of product categories with images and counts: BALANCED FLUE KITS (10 PRODUCTS), BOILER ACCESSORIES (6 PRODUCTS), EXTERNAL OIL BOILER (2 PRODUCTS), FLUE OPTIONS (38 PRODUCTS), KITCHEN OIL BOILERS (3 PRODUCTS), WALL EXTERNAL OIL BOILER (1 PRODUCT), and WALL INTERNAL OIL BOILER (1 PRODUCT). To the right of this grid is a "QUOTE LIST" section showing "No products in the list" and a "BROWSE" section with links to various product categories and their counts: Balanced Flue Kits (10), Boiler Accessories (0), External Oil Boiler (2), Flue Options (38), Kitchen Oil Boilers (3), Wall External Oil Boiler (1), and Wall Internal Oil Boiler (1). At the bottom of the page is a grey footer bar with links: CONTACT INFORMATION, SUPPORT, KEEPING YOU UP TO DATE, and FOLLOW US ON TWITTER.

Hounsfield Warranty

We have a unique industry leading no quibble warranty, we also like to keep things simple, there are just three conditions of warranty:

1. Register the installation with H.B. Ltd.
2. The home owner must have the boiler serviced annually.
3. Warranty work must be authorised by H.B.Ltd..



HOUNSFIELD BOILERS





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 oil or gas 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 pre-install, green hoses are 'life-long' rather than just 'long-life'. Jetfire® coated with stainless steel braiding, they will not degrade or require regular replacement.

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 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.

Order your boiler today...

Via your merchant or directly on:
01449 722 461
enquiries@hounsfieldboilers.co.uk
www.hounsfieldboilers.co.uk



