

An innovative home energy saving system

 **BoostaBoiler**[™]
energy saving system



"It's a great product, the perfect solution in this time of ever increasing gas and oil prices."

Pat Coleman
Managing Director
Sureserve

 **ENERGY DATA .io** BoostaBoiler savings are checked and verified by Energy Data.io



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"It was fitted easily without the need to disconnect any pipes or adjust the boiler. The results are amazing, hotter water and using less fuel, it paid for itself in no time!"

Rita & Alex
Home Owners

Why choose BoostaBoiler?

Unmatched Longevity and Efficiency

One of the standout features of BoostaBoiler is its longevity. Unlike a new boiler which will eventually need replacing, BoostaBoiler is highly durable and will retain its effectiveness for many decades, losing only 1% efficiency every 100 years. BoostaBoiler is undoubtedly a lasting solution for reducing carbon emissions and delivering sustainable energy savings.

20% reduces fuel consumption by up to



SAVE MONEY
on your energy bills



LOWERS CARBON
emissions



EASY INSTALL
'fit and forget'



RETROFIT DEVICE
can fit onto almost any gas or oil boiler or water heater



NO DOWN TIME
or interruption to service



NO MAINTENANCE

"Since we've had BoostaBoiler fitted we have noticed a significant decrease in our energy usage.

As pensioners this is a great benefit to us. We would recommend this to anyone."

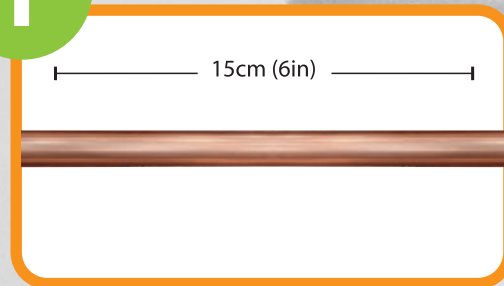
Patricia
Home Owner



Installing BoostaBoiler



1



Find a straight length of your gas or oil pipe (15cm required) leading to the boiler housing.

2



The BoostaBoiler unit is then placed onto that pipe **as close as possible to the boiler**.

3



Slip nylon ties (provided) around the BoostaBoiler and pipe, pull until secured in place. Snip off the loose ends and you're ready to save.



"With BoostaBoiler installed, your boiler will run more efficiently, i.e. with a hotter flame and more cleanly, resulting in less pollution and, crucially, reducing your fuel bills."

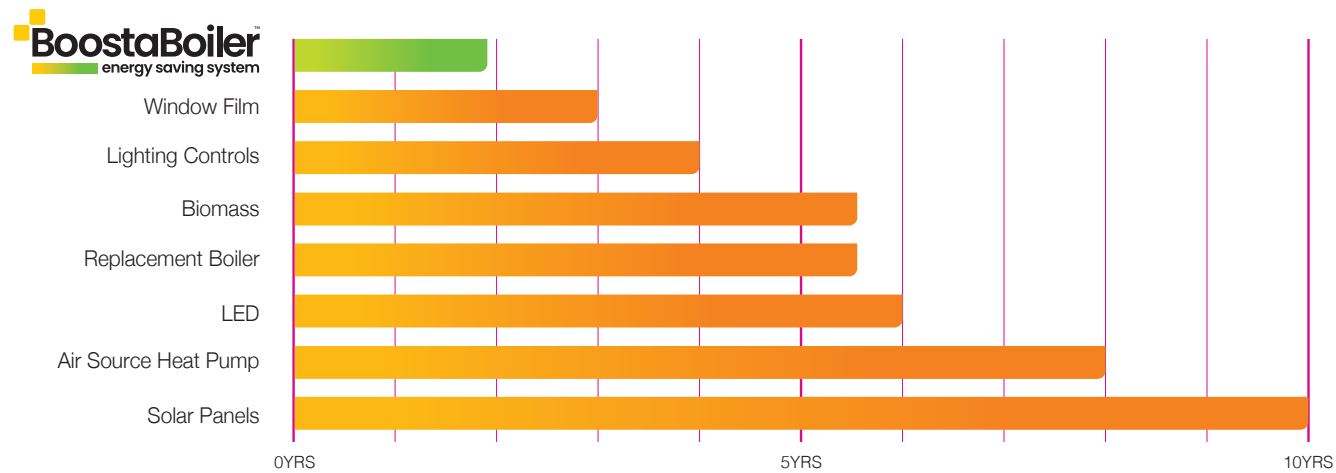
Project Coordinator

The Schools Energy Project

- Installed in just a few minutes
- Will never break or stop working
- Never needs replacing or servicing
- Lasts a lifetime

Return on investment

Our growing customer base worldwide is reporting payback periods between 6 - 30 months - much faster than other energy-saving technologies.

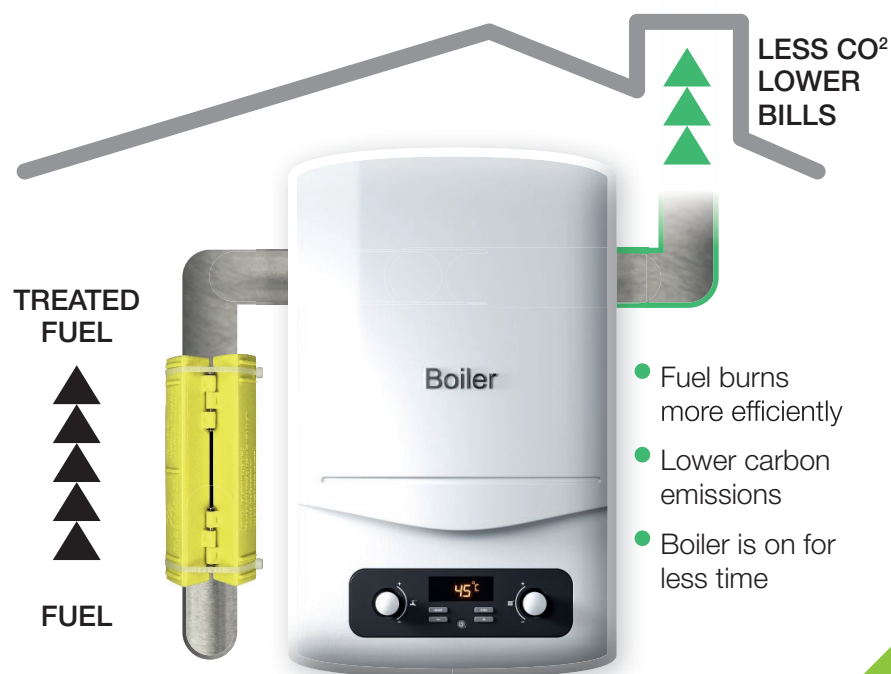


"K&T Heating highly recommends BoostaBoiler to property owners and housing providers wanting to reduce their energy costs."

Ian Childs
Client Relationship Director,
K&T Heating

How BoostaBoiler works

The nature of unconditioned fuel is that the molecules tend to clump together in large 'clusters'. These clusters prevent the efficient combustion of the fuel with oxygen molecules in the burner.



The Effect of BoostaBoiler on Hydrocarbon Fuel Molecules

Passing fuel through BoostaBoiler's powerful magnetic field disrupts the bonds between the clustered fuel molecules and reorients them for a short time so they can more easily combine with oxygen in the burner.

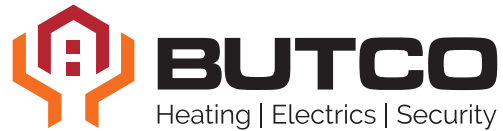
This results in more of the fuel molecules getting burned within the burner. We therefore get a hotter flame with less unwanted CO and NOx emissions because the combustion process is more complete.



Scan this QR code to see a short video demonstrating BoostaBoiler's fuel conditioning process.

The BoostaBoiler brand

Amongst many others, BoostaBoiler is fitted and endorsed by:



"The Guinness Partnership supports the installation of BoostaBoiler."

This lowered customer's energy costs and also reduced carbon emissions through less fuel being used."

Mark Moore

Head of Heating & Hot Water Services, The Guinness Partnership

Retail Packaging



Trade Advertisements



Save your customers up to 20% on their heating bills!*

BoostaBoiler is a one-time investment. A rare-earth magnetic fuel conditioner that is installed in seconds and provides your customers with savings to their heating bills that last a lifetime.

With BoostaBoiler, you have the satisfaction of knowing that you are helping your customers make smart, cost-effective decisions for their energy consumption and for the environment.

Now available from Wolseley Plumb and Parts!

BoostaBoiler
energy saving system
www.BoostaBoiler.co.uk

WOLSELEY **W**
www.Wolseley.co.uk

Support Literature

BoostaBoiler
energy saving system

Saves up to 20% on fuel bills

- Also reduces carbon emissions
- A great upsell product
- Easy installation (see overleaf)
- Suitable for all boilers

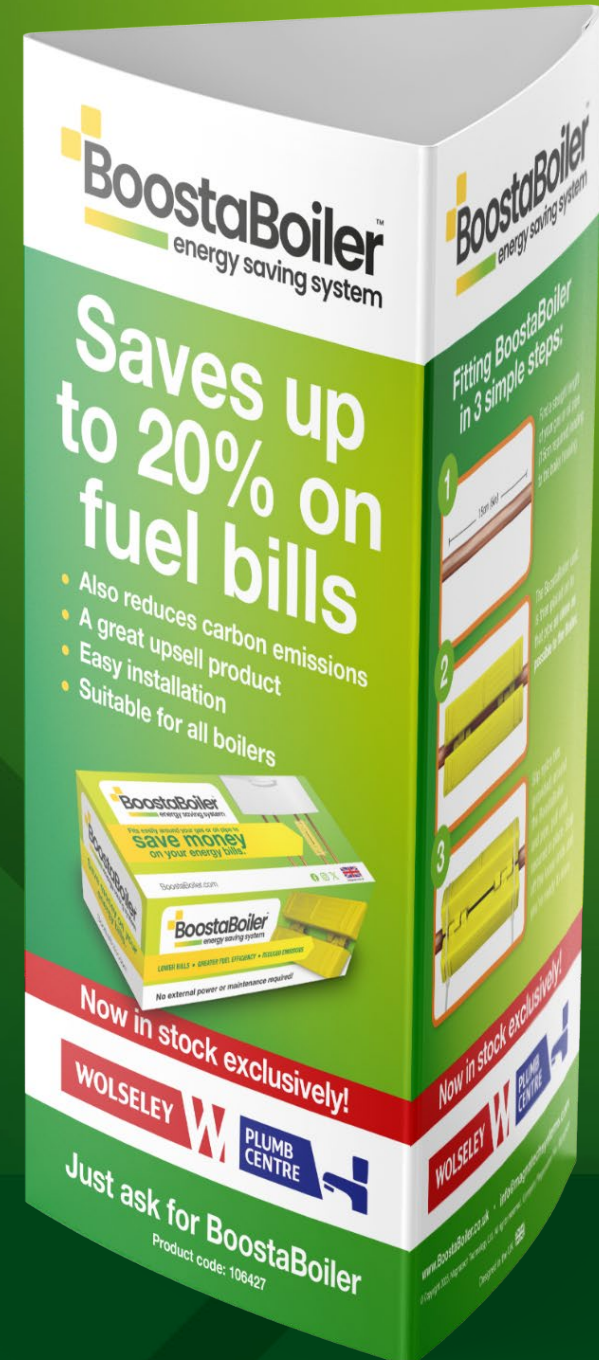


Now in stock exclusively at

WOLSELEY **W** **PLUMB CENTRE**

visit in-store or online and ask for BoostaBoiler
Product code: 106427


Point of Sale Displays



BoostaBoiler results


Domestic Residence - 17.42% saved

Domestic Case Study



17.42% Energy Savings

Trial Details	
Customer:	Mr E Chambers
Trial Period:	3 Months
Report Date:	27/02/23
Property Type/Use:	Detached Farmhouse



Total Consumption with Magnatech A	Total Consumption without Magnatech B
A = 18257	B = 20140
Using degree days figures from 'closest weather station' set at 16.5°C. (www.Degreedays.net)	
Total Degree Days in Period A	Total Degree Days in Period B
Period A = 2151	Period B = 1961
Dividing total consumption by degree days = fuel burnt per degree day.	
Period A = 8.48	Period B = 10.27
Reduction of consumption per HDD	
HDD Reduction = 1.79	
Reduction in Period A divided by Consumption in Period B x 100 Gives you a percentage reduction figure:	
Percentage Reduction = 17.42%	
This proves a considerable reduction in fuel consumption over the comparable heating periods after the Magnatech units were installed.	

Measurement & Verification (M&V)

Degree days are calculated by comparing the average temperature in a location to a baseline temperature, which is typically around 65 degrees Fahrenheit. If the average temperature is higher than the baseline temperature, the degree days are "cooling degree days," which means that energy will be needed to cool the building.

If the average temperature is lower than the baseline temperature, the degree days are "heating degree days," which means that energy will be needed to heat the building.

Checks are made to ensure there is no variation in occupancy or building use during the study period.


info@magnatechsystems.com

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Domestic Residence - 11% saved

Domestic Case Study



From Harold Forbes

(author of How to be a Humankind Superhero)



Harold is ideally suited to give an independent verdict on the BoostaBoiler unit fitted to his domestic boiler.

He installed BoostaBoiler in September and the following February he wrote:

"I now have my gas bill for mid October to mid January and consumption has dropped from 77.4 to 68.4 kWh per day.

Pretty impressive when you consider that this year the cold spell was in December and last year it was in January! As you can imagine, I'm pretty impressed by BoostaBoiler."

Harold experienced a saving of over 11% in a colder period when compared to his previous bill for the same time.

11% Energy Savings

Harold's first published piece was an article on the dangers to the ozone layer that were posed by aerosol products, published 15 years before international action to curb their use. He remained committed to environmental issues and was prompted to action by learning that reusing his plastic bags when he went shopping was an inconsequential act in terms of averting climate change.

He reasoned that the success of the campaign demonstrated that people wanted to take action but found it difficult to identify how best to make an impact, quickly. Using the research and communication skills he had developed in his business career, Harold decided to produce a book that would be easy to understand and encouraging to use. 'How to be a Humankind Superhero: A Manifesto for Individuals to Reclaim a Safe Climate' is the result.

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Domestic Residence - 10% saved

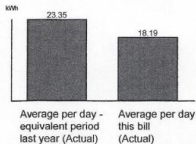
Domestic Case Study



Mr and Mrs Watson from Hampton had a unit installed.
Their annual gas bill was £1530.
Using degree days to compare years with different temperatures the 37% reduction in consumption is reduced to over 15%.

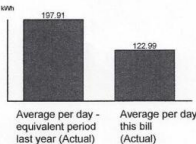
Your average daily energy use

Your electricity use



Category	Value (kWh)
Average per day - equivalent period last year (Actual)	23.35
Average per day this bill (Actual)	18.19

Your gas use



Category	Value (kWh)
Average per day - equivalent period last year (Actual)	127.91
Average per day this bill (Actual)	122.09

We've included this graph to help you understand how your energy use this period compares with the same period last year

Scanned from the Watson's bill

They said:

"This device is proof that you don't have to spend thousands of pounds to make a big difference! We have managed to cut our annual heating costs by over 10%, which is actually negating the soaring price hikes from energy providers. We're so impressed, Boostaboiler is coming with us wherever we move next!"

Mr and Mrs Watson, London

10% Energy Savings

Measurement & Verification (M&V)

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Residential - 19% saved

Case Study



Care Home - Gas Consumption Analysis:

15.78% Energy Savings

Aspen Village
10-20 Cardinal Avenue, Borehamwood,
Hertfordshire,
WD6 1EP

For Aspen the figures taken were for October to end of January, gas usage was added up and divided by the number of degree days (days where the temperature has fallen below 15.5C. These figures are published by local official weather stations).

These calculations were then made for the same period the following year, after the Magnatech System was installed.

The volume of gas burnt pre installation was 255.55 per degree day and post installation 215.25 per degree day by the following calculation we come to the savings:

255.55 - 215.25 = 40.3 / 255.55 x 100 = 15.78% reduction in gas consumption.

19.07% Energy Savings

Cedars Care Centre
12 Richmond Road,
New Barnet,
Hertfordshire
EN5 1SB

For The Cedars the same calculation was carried out, but this time looked at a longer average period for the prior installation and compared the figures for the last quarter where the Magnatech System was installed.

Prior to installation average degree day consumption was: 304.26. Post installation: 246.15

304.16 - 246.15 = 58.01 / 304.16 x 100 = 19.07% reduction in gas consumption.

Measurement & Verification (M&V)

Degree days are calculated by comparing the average temperature in a location to a baseline temperature, which is typically around 65 degrees Fahrenheit. If the average temperature is higher than the baseline temperature, the degree days are "cooling degree days," which means that energy will be needed to cool the building.

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BoostaBoiler results

Commercial - 15.48% saved

Case Study

Waitrose

SUPERMARKETS -
based on a multi-site staggered trial leading to installation in 130 outlets in the UK

First Trials
Waitrose, one of the UK's leading supermarkets, conducted trials of the Magnatech system in two contrasting stores, one smaller and one a "super store". The results were positive showing payback times that were within those claimed by Magnatech and reductions in fuel consumption of well over the guaranteed minimum of 6%.

Partial Roll out
Funding was obtained for a larger level of installation and 100 of the highest fuel consuming stores were selected. These were spread throughout England, Scotland and Wales. The installations were completed within the time frame requested and under budget, an extra six stores were able to have systems installed with the remaining budget.

The boilers found on the sites varied from modern condensing units to much older less efficient boilers. The stores also had air handling units, often on the roof and separate water heaters.

Average consumption of all stores in the trial
8 months pre-installation

518,640/873
Equals
594 HDD

Average consumption of all stores in the trial
8 months post-installation

564,916/1,126
Equals
502 HDD

As a Percentage
594 - 502 = 92
92/594x100

=15.48%
reduction in fuel consumption

All gas fired units apart from those in the staff dining room, public restaurants and bake off ovens had the Magnatech System installed.

Roof air handling units

Roof handling units

Water heaters

Condensing boilers

Older boilers

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Industrial - 12% saved

Case Study

Boston Scientific

TRIAL RESULTS

Results taken from Boiler Running @ 20%

Costs generated using a cost of €0.04 per kWhr

Boilers Designed Total Capacity = 2100kw
At 20% the boilers actual output is = 17.5% implying losses of 2.5% @ 20%

Output after Magnatech is 667 Kw = 32% of Boilers total capacity operating @ 20%
Savings = 32% - 20% = 12%

Summary					
Capacity	20%	40%	60%	80%	100%
Designed Output (no losses) (kW)	420	840	1260	1680	2100
Measured Output before Magnatech (kw)	367	733	1100	1467	1833
Measured Output with Magnatech (kw)	667	821	1232	1643	2053
Gas Consumption per min (m3)	0.5	1	1.5	2	2.5
Gas Consumption Magnatech to generate actual average value per min (m3)	0.44	0.88	1.32	1.76	2.2
Gas Saving (Magnatech) to generate actual output per min (m3)	0.06	0.12	0.18	0.24	0.3
Hourly Consumption Saving generating actual average value (m3)	3.6	7.2	10.8	14.4	18
Hourly Consumption Saving generating actual average value (€) - 4 cent per kWhr	€1.60	€3.19	€4.79	€6.38	€7.98

@ 100% efficiency (Boiler Design)

The Magnatech System provides a saving of 12%

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BoostaBoiler™

powered by the Magnatech System



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please scan the code above.

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