



Magnatech

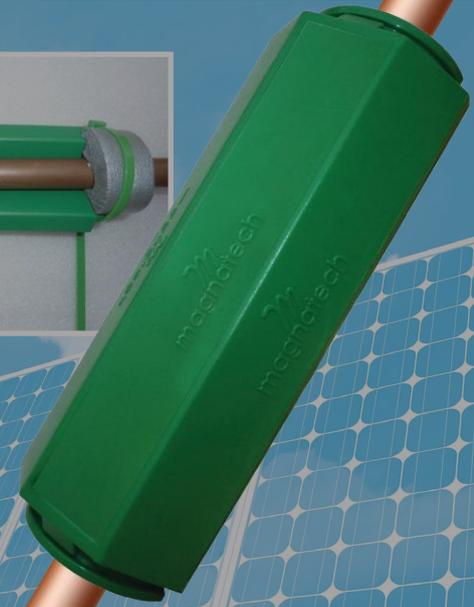
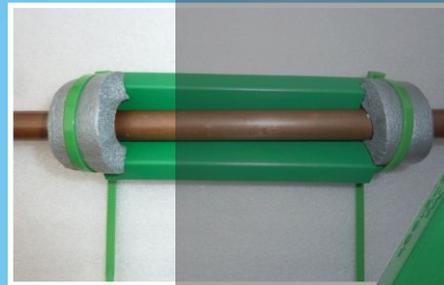
HIGH-PERFORMANCE FUEL CONDITIONING SYSTEM

The Magnatech is a high-performance fuel conditioning system that cut costs and carbon emissions for energy users, whilst maximising heating system efficiency.

This unit will provide a typical fuel saving of around 10%, with a very short payback period. Magnatech systems can be used to condition any type of liquid or gas hydrocarbon fuel.

The units use powerful magnetic technology that is independently verified by the Tritech ETV (Environmental Technology Verification) Project and is guaranteed to reduce fuel consumption by at least 6%.

What's more they are quick and un-obtrusive to fit, last for a lifetime and require no running or maintenance costs, making them a truly fit, forget and save solution.



THE PROCESS

Once the units are fitted to the outside of fuel feed lines in a particular pattern, fuel passes through the magnet's negative and positive fields before it reaches the combustion chamber. This makes it easier for the carbon-based fuel to bond with oxygen and burn creating a rise in flame temperature of up to 120°C or more. This allows the system to reach the desired temperature sooner without burning any extra fuel, reducing overall fuel consumption and delivering substantial energy and cost savings.

BENEFITS:

- Reduces fuel consumption typically by 10% (proven reduction of at least 6%)
- Cuts your energy bills
- Reduces your organisation's carbon footprint
- No costly production downtime (no lines are cut during installation)
- No maintenance or running costs – simply fit, forget and save!
- A short payback period coupled with a lifetime of savings.

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How does fuel conditioning work?

Magnatech systems use the most powerful neodymium magnets available today to effectively enhance the combustion process of industrial and commercial heating systems. They are simply fitted to the outside of fuel feed lines in a particular pattern to create a rise in flame temperature, which allows the system to reach the desired temperature sooner. As a result, there is a reduction in overall fuel consumption.

Does the increased flame temperature affect the heating system?

No. The increase in fuel temperature is well within the tolerance of industrial, commercial and domestic heating systems.

Does it impact heating performance?

No. The units work by effectively enhancing the combustion process, maximising heating systems' efficiency with no compromise on performance.

How much does it cost?

Magnatech systems are bespoke to match individual applications and quotations are subject to a full site survey.

Will it affect the warranty on the boiler/burner?

No. Magnatech units do not make contact with or alter the boiler/burner in any way, as they are situated on the fuel line.

What is the payback period?

A payback period can be estimated following a site survey.

When is it not possible to install Magnatech units?

The only factors that may affect the suitability of a Magnatech install is a lack of clear space on the pipework or if fuel line pipes are too large for the units.

What kind of maintenance is required?

Once fitted, Magnatech units do not require any maintenance – it is simply a case of fit, forget and save forever!

How long do the units last?

The units use some of the most powerful neodymium magnets available today, which are forecast to lose just 1% of their power over a 100-year period – meaning Magnatech's units last a lifetime!

How much space do the units require?

This will vary depending on your boiler size and the number of units that are required. However, the units are unobtrusive and take up very little space.

How long is the order/delivery process?

We will typically process your order and deliver product within three weeks.

Does fuel conditioning help meet CO2 reduction targets?

Yes. By reducing your fuel consumption, you automatically reduce your carbon footprint.

