

DESTROYING THE MYTHS OF CONDENSING BOILERS



CAZOINK!



The myth:
Condensing boilers are less reliable.

The myth destroyer:

It is true to say that some of the earlier condensing boilers launched in the UK had occasional reliability problems, including leaking aluminium heat exchangers. Lessons have been learnt over the past 10 years and today's condensing boilers have a high reliability record easily comparable with conventional boilers. Halstead's Eden range uses the tried and tested 'coil type', stainless steel heat exchanger, similar to that used across many manufacturers designs and offering excellent durability and reliability.



The myth:
Condensing boilers are difficult to install.

The myth destroyer:

The casing structure, mounting method, weight and number of water/gas connections is the same as any equivalent conventional boiler. Indeed, compared to cast iron, an open vent condenser is lighter.

However, in every installation there is inevitably one extra connection - that of the condensate drain; the installer simply needs to ensure that there is a path to run a 20mm plastic overflow pipe to either a basin/sink/dishwasher waste or directly outside to a drain or soakaway.

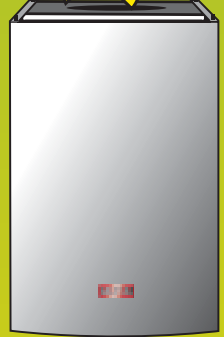
Some manufacturers' condensing boilers may require a simple flue gas test after installation to check CO₂ levels. Halstead's Eden X Type boilers are factory set eliminating the need for this test during commissioning.



The myth:
Condensing boilers aren't that efficient because they don't condense all the time anyway!

The myth destroyer:

Due to its large heat exchanger and pre-mix burner system, the Eden X Type, like other condensing boilers, does not need to condense all of the time to be more efficient than a conventional boiler. Even when it is not in condensing mode a condensing boiler saves significantly on gas and has a seasonal efficiency of between 82% and 92%, compared with a non-condensing or conventional boiler's rating of 78% efficiency.

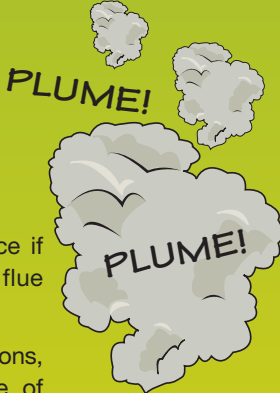


The myth:
Condensing boilers are often unsuitable due to plumbing nuisance.

The myth destroyer:

It is true that plumbing can be a nuisance if forethought is not given to the flue positioning and adjacent properties.

However for such exceptional applications, Halstead's Eden X Type offers a range of 'anti-plume' flue kits, some of which can even be fitted retrospectively should plumbing be found to be a problem.



The myth:

Condensing boilers are too expensive.

The myth destroyer:

Although condensing boilers are more expensive than conventional, as the boiler market becomes dominated by condensing boilers, the cost of the technology is likely to enable prices to stabilise. Despite a higher initial cost however, a condensing boiler will save you money in the longer term.

Extensive research commissioned recently by The National Energy Foundation in homes built in Milton Keynes has shown that the additional purchase cost of a condensing boiler can be recouped in terms of energy savings in as little as four years.



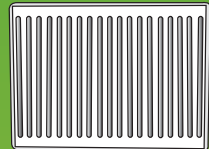
The myth:

Condensing boilers are never going to have an effect on the environment.

The myth destroyer:

Domestic heating is responsible for almost one third of all domestic CO₂ emissions. If everyone in the UK fitted a high efficiency condensing boiler, the amount of CO₂ saved would fill almost 3.5 million hot air balloons!

Halstead's Eden X Type range, with its SEDBUK A rating, not only has low CO₂ emissions - helping reduce ozone layer depletion - it also has very low NOx to lessen the build up of smog in our cities.



The myth:

All my radiators will need to be replaced.

The myth destroyer:

This is very unlikely. Theoretically, as a condensing boiler should operate at a lower water circulation temperature to ensure maximum efficiency, larger radiators may be required. However, most households will already have oversized radiators, partly due to an excess capacity usually built into the original system design, and because many householders will have had double-glazing or cavity wall insulation installed since the central heating was fitted.

The myth:

One condensing boiler is just as good as the next!



The myth destroyer:

Even within condensing boilers, efficiency can vary enormously! Most condensing appliances fall into either the SEDBUK A or B categories (SEDBUK = Seasonal Efficiency of Domestic Boilers in the UK). B category appliances can have a seasonal efficiency of as low as 86% whereas to be awarded the prestigious SEDBUK A rating, the boiler must consistently achieve an average seasonal efficiency of at least 90%. So if in doubt, always choose SEDBUK A for maximum performance and efficiency.

The myth:

Traditional boilers are smaller and provide consumers with more options.

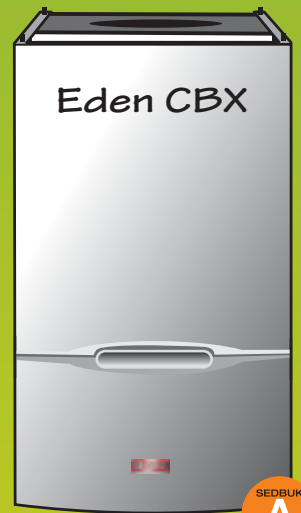
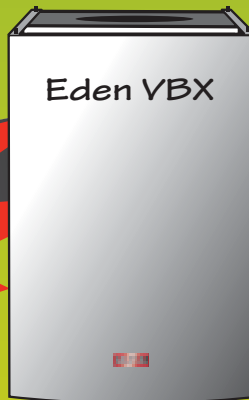
The myth destroyer:

Condensing boilers are essentially no larger than traditional boilers and in many cases are lighter and therefore easier to install. Options now include open vent, sealed system and combi condensing boilers, which are all wall mounted. Many boilers are also available in both natural gas and LPG.

The Halstead Eden X Type range of condensing appliances offers a choice of two sizes of open vent, a sealed system boiler and two combis, all available in natural gas and LPG!

**CAPTAIN
CONDENSING**

**SAVING THE
WORLD FROM
CONDENSING
CONFUSION**



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