

What an Oil Heating Boiler consists of

Boilers consist of two parts--a combustion chamber and the water tank with the combustion chamber located beneath the water tank. They also have several water circulation pipes, a water pump, and a pipe to supply oil to the burners in the combustion chamber.

Get to know How an Oil Heating Boiler Works

Oil enters the combustion chamber and feeds the burners, which in turn heat the water in the water tank. The water pump forces hot water out of the tank and into the supply pipes for the radiators located throughout the building. The exiting water pushes water that is already in the radiators and has cooled down back into the boiler where it is heated again and recirculated. This heating process is controlled by thermostats that monitor the ambient temperature in the various parts of the building as well as the water temperature in the boiler.

It is possible to have an oil boiler efficiency of up to 97% - that is, 97% of the oil's thermal energy is converted to heat. In the UK there is a scale rather unimaginatively called SEDBUK: Seasonal Efficiency of Domestic Boilers in the UK, and this defines ranges of boiler efficiency to help you narrow down your options easier. An A-rated boiler is 90% efficiency or greater.

Combination oil boilers Regular oil boilers System oil boilers

With limited exceptions, all oil-fired boiler installations in the UK need to use a condensing type of boiler. This energy efficient boiler comes in several varieties of drain options:

Internal stack pipe Waste pipe External gully or drain Rainwater hopper Custom-made soak away Oil boilers can still take different forms, according to the home's plumbing

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