

Keston

BY IDEAL HEATING

KESTON 1.25" SYSTEM FILTER

Available for Keston Heat 2 Boilers

Specifically designed for Keston Heat 2 single boiler installations on larger heating systems.

Simple to install

Protects the boiler from a range of magnetic and non-magnetic contaminants

High quality components and robust, pressure tested construction for maximum reliability

Easy to clean and service the filter via the drain valve, reducing time on site.

Simple to fit on either vertical or horizontal pipework

Full bore valves to reduce pressure loss and enhance system efficiency

Can be fitted on vertical or horizontal pipework, orientation up to 45° from vertical for restricted spaces.

Installation with a Keston Heat 2 boiler enables free commissioning.

Extends warranties from 2 years to 5 years when installed with a Keston Heat 2 boiler†



TWIN FLUE DESIGN

Providing the perfect solution for problematic and awkward installations



5 YEAR WARRANTY†

Keston Heat 2 boilers are offered with a 5 year warranty† when commissioned by Keston Boilers



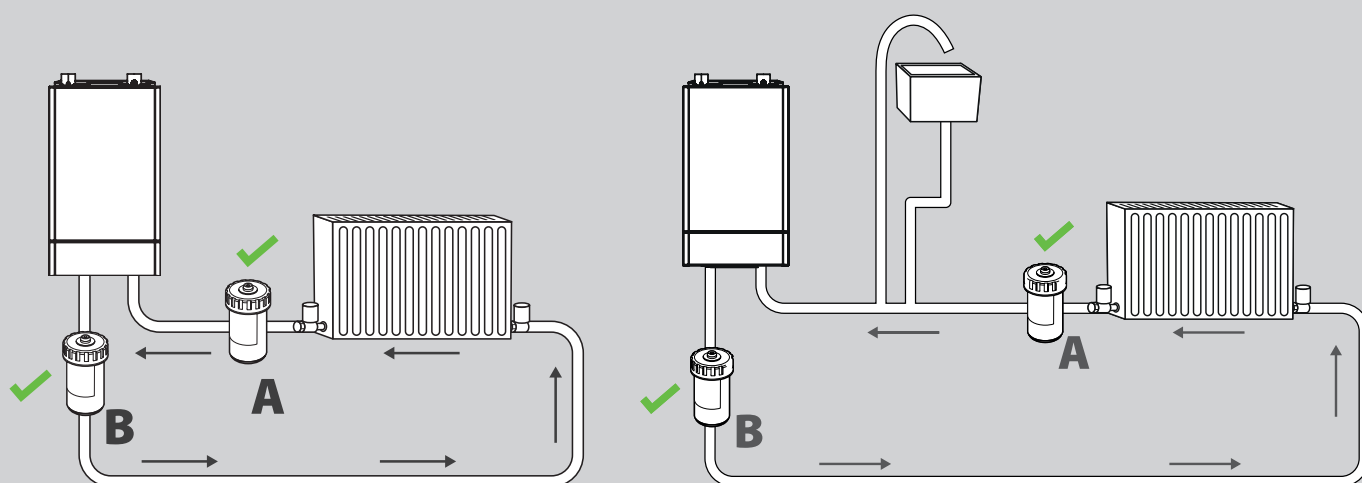
BRITISH BUILT SINCE 2013

All Keston boilers are built in and designed for the British market

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†2-year parts & labour as standard, 5-year subject to being commissioned by Keston Boilers. Free Commissioning only available when a Keston 1.25in System Filter is installed with a single Keston Heat boiler; not available on multiple (cascade) boiler installations. Terms and conditions apply.

Installation



Sealed system

(Keston Combi 2, System 2 & Heat 2 boilers)

Open Vented system

(Keston Heat 2 boilers only)

The System filter can be installed anywhere on the heating system before the boiler. For optimum protection, fit the filter at point A, if this is not possible fit at point B.

N.B. We firmly recommend the Keston 1.25" System Filter is installed and serviced by a qualified heating engineer.

CAUTION. As with all magnetic products, if you have an implanted cardiac device extra caution should be taken at all times when handling any magnetic filter.

TECHNICAL SPECIFICATION

MATERIALS		PERFORMANCE	
Filter body	Glass filled, engineering polymer	Suitable fluids	Water, inhibited glycol solutions
Manifold	Nickel plated brass and glassed filled engineering polymer	Maximum percentage of glyco	50%
Drain valve	Nickel plated brass	Maximum working pressure	5 bar
Circlip	Stainless Steel	Maximum flow rate	50 L/min
Seals & washers	EPDM	Maximum working temperature	100°C
		Capture rate	Up to 100% of system contaminates

OPERATING PRINCIPLE

Contaminated water enters the filter via the manifold, carrying a variety of system debris and particulate matter held in suspension. This debris, including ferrous impurities such as Magnetite, moves through the manifold and into the main body of the filter.

Water is forced down towards the bottom of the filter due to the engineered flow characteristics created within the filter, which helps to disrupt any dirt particles held in suspension by the water, as well as direct these particles towards an engineered area of low flow at the base of the filter. The dynamic flow of the water within the filter also allows ferrous impurities to be captured by the high-powered magnet assembly.

To exit the filter water must pass over the magnet sheath, then out of the manifold. In this way, system debris has difficulty escaping the unit and is either trapped in the area of low flow, or captured by the powerful magnet, meaning clean water exits the filter.

Any dirt collected within the filter can then be discharged by removing the magnet from the sheath and opening the drain valve. This and the dosing procedure procedure is shown in the filter installation instructions. Suitable clearances above and below the filter are required for withdrawal of the magnet and to access the drain valve during these procedures.

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