



Kelda's Air-Powered showers reduce carbon emissions by using 55% less water and energy than conventional showers. Fuel-injection technology is used to inject a high velocity air stream in the shower head to create a deep, cleaning shower without excess volume of water or energy. Kelda's Air-Powered showers have been verified by the Energy Saving Trust (EST).

Kelda's Air-Powered showers have been assessed by the Building Research Establishment (BRE). It is the **first shower technology** to be recognised by the Government's Standard Assessment Procedure (SAP) through SAP Appendix Q for its energy performance benefits at 4.5 l/min.

Energy Saving Trust (EST) have verified the following claims, that a Kelda shower...

- **Uses 69,800 fewer litres of water per year** than a conventional mixer shower. This is a 55% reduction in the amount of water used which results in £200 (45%) savings in the annual water bill of a household of four.
- **Uses 2,200 less kWh of energy per year** than a conventional mixer shower. This is a 55% reduction in the amount of energy used which results in £185 (50%) savings in the annual energy bill of a household of four. That's equivalent to boiling a kettle 20,000 times.
- **Emits 630 fewer kilograms of carbon dioxide per year** than a conventional mixer shower, associated with energy and water savings combined. This is a 55% reduction, equivalent to driving from London to Bristol 19 times (2,200 miles).
- Can **save £385 in the annual water and energy bills** of a household of four.
- Allow the specification of a **smaller hot water cylinder**. A key consideration when using heat pumps to heat hot water, where 200+ litre capacity is now commonplace.
- Can help minimise the dwelling consumption of potable water to less than 100 l/p/d - helping achieve compliance, and qualify for **environmental incentives worth £100s per plot** (applied to the infrastructure charge).

In SAP 10.2 (Appendix Q):

- Replacing a conventional shower with Kelda's Air-Powered shower at 4.5 l/min can help **reduce the Dwelling Emission Rates (DER) and Dwelling Primary Energy Rate (DPER)** enabling **cost-effective compliance**. Please contact a member our Sales team for further information.

Kelda Showers

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