

Commercial Shower Panel
Deluxe Shower Panel

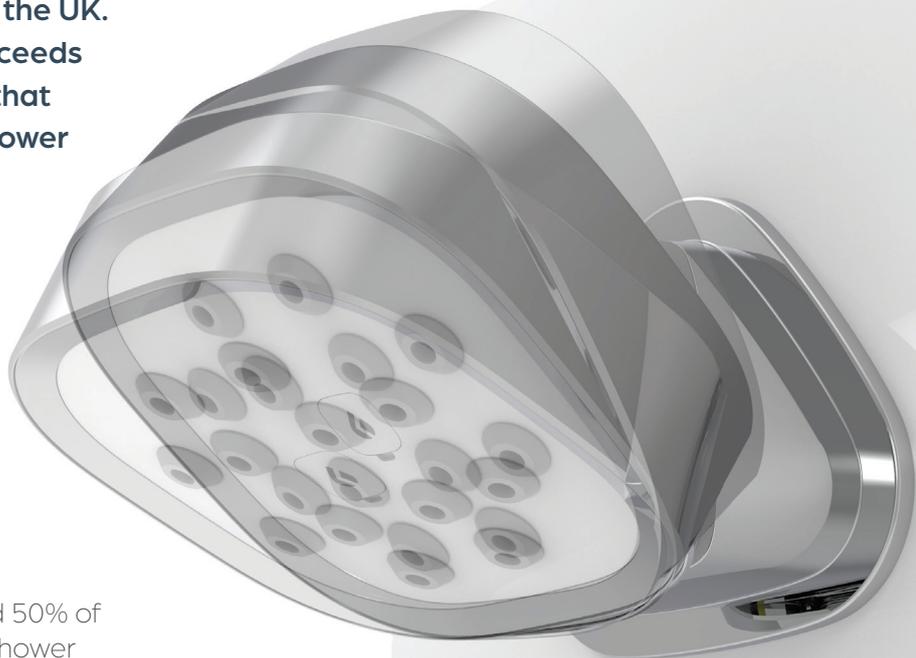


The Shower. Reinvented.

Same great shower – less water, energy and carbon emissions



Kelda are the inventors of Air-Powered™ showers designed and manufactured in the UK. Our patented technology meets and exceeds compliance, offering a shower solution that is capable of providing an energising shower experience as low as 5 litres/minute.



Air-Powered™ showers typically save around 50% of water and energy compared to a standard shower and, in turn, assist in reducing carbon emissions.

Kelda showers are not only eco-friendly, but they are engineered to last too. They have been exposed and tested in the most demanding real-life environments to ensure they can withstand the pressures of high usage. All Kelda showers comply with the water supply (water fittings) regulations and feature TMV certified mixing valves demonstrating our commitment to safety, quality, performance and reliability.

Advanced Technology



Air-Powered™

Kelda's patented Air-Powered™ technology is drawn from decades of cutting-edge aerospace technology. In our showerhead water is injected into a high velocity air stream where it is broken up into 100s of MACRO droplets that are 2.5X the size of a standard shower – making less water feel like so much more.



MACRO-Jet™ Nozzles

Kelda's showerhead comprises an array of 12 specially engineered MACRO-Jet™ nozzles. A larger core diameter produces larger MACRO droplets – providing better thermal stability and rinsing performance. Larger nozzles also improve operational reliability as they are less likely to block and accumulate limescale.



Air-Protect™

To reduce the risk of water stagnation and prevent bacterial growth Kelda's showerhead features a single-mode spray plate with fixed spray and no moving parts. For added safety Kelda also utilises it's Air-Protect™ technology to blow air through the showerhead after each and every use.



Air-Force3™ Fan

Kelda's showers have been tested in the most demanding real-life environments to ensure many years of uninterrupted operation. Our latest Air-Force3™ digital fan is designed to deliver up to 300 litres of air per minute to the showerhead with a rapid pressure build-up of up to 5000 pascals.

Benefits

Water, Energy & Carbon Savings

Kelda Air-Powered™ showers typically save around 50% – 60% of water and energy compared to conventional showers, setting the highest standards in water savings and helping you to reduce operating costs. Our showers at 5 l/min are rated performance band A by the Unified Water Label.

Furthermore, as a direct result of using less water and energy for hot water, Kelda showers can significantly lower carbon emissions – helping organisations achieve their sustainability targets.

Energy Rating New Dwellings (SAP)

Kelda is working with the Building Research Establishment (BRE) to recognise Air-Powered™ showers within the Product Characteristic Database (PCDB) / Appendix Q of SAP.

The Standard Assessment Procedure (SAP) is used for calculating the energy rating of new dwellings. Initial estimations are that a Kelda shower will reduce hot water energy use by 20%, reduce DER (carbon emissions) by 10% and increase SAP rating by 1 point.*

* Typical configuration (good fabric, gas boiler, no PV).

RIBA Climate Challenge Targets

According to the Royal Institute of British Architects (RIBA) one of the key design principles for sustainable water is to reduce the consumption of potable water by a minimum of 40%. This means 75 litres/person/day for domestic buildings and 10 litres/person/day for non-domestic buildings. A Kelda shower at 5 litres per minute flow rate can help organisations meet the RIBA's 2030 Climate Challenge Targets.

Unrivalled Experience

Kelda's design and engineering creates a significantly superior shower experience in each and every sense. Despite using significantly less water Kelda's patented Air-Powered™ technology atomises water into 100s of large MACRO droplets, yielding larger momenta, hitting the skin with more 15X impact.

This result is a shower sensation of pressure without the excess volume of water compared to a standard shower.

Building Regulations (Water Efficiency)

Water for showering and bathing accounts for 41% of the total household consumption, according to Southern Water.

Part G2 of Building Regulations establishes standards on water efficiency in dwellings. A Kelda shower reduces the current 'maximum consumption' or 'flow rate' requirement of 10 litres/minute by 50% (to meet the standard 'notional' level of 125 litres/person/day) and by 40% where the more stringent 8 litres/minute ('higher' optional level of 110 litres/person/day) is requested.

Water Regulations & Safety

A Kelda shower complies with all UK regulatory standards including the Water Supply (Water Fittings) Regulations, as outlined in Regulation 4.

For added safety and peace of mind all our thermostatic mixers comply with TMV2 approvals, meaning the shower water temperature will not exceed 41° C to prevent scalding.

Energy Technology List (ETL)

Kelda is working with the government's Department for Business Energy and Industrial Strategy (BEIS) to add high efficiency showers to the Government's Energy Technology List (ETL).

The ETL is a government list of energy efficient products which for products to be listed must meet the ETL's robust energy saving criteria – typically set at the top 25% of products in the market.

Water Infrastructure Discount

Water companies use a lot of energy to treat water, pump it to and from the home and then treat it before returning it to our rivers. Showers which use less water reduce this impact.

In response to water scarcity, Water Companies, such as Anglian Water, are incentivising developers, up to £740 per plot, to build new houses to a water efficiency standard of 100 litres/person/day (10 litres below the optional 'higher' level).

Future Homes Standard

Kelda showers are future-proofed to comply with current building regulations and the proposed 2025 Future Homes Standard today, so that we can help our customers create exceptional homes and buildings with world-leading levels of energy efficiency e.g. less water supports the specification of a smaller hot water storage cylinder – a key consideration where the maximum size will be 150 litre capacity.

Experience



Efficient Cleaning

Compared to standard showers, Kelda's MACRO droplets are larger – yielding larger momenta. This gives the sensation of more power but using less water. With 15X more impact than a standard shower droplet a Kelda shower is more effective at rinsing shampoo out of even the thickest of hair.



Sustainable Showering

Mixers showers waste too much water and use precious resource. A Kelda shower uses 5 litres per minute of water compared to an average shower that uses 10. This means half the water and energy and therefore fewer carbon emissions. A Kelda shower maximises every droplet to reduce waste.



Immersive Experience

A shower that is designed for you and the planet. A Kelda shower atomises water into 100s of perfectly engineered MACRO droplets to ensure you feel every single one of them. We may use less water to help conserve the world's most precious resource but we haven't compromised on experience.

The Deluxe Shower Panel is a fully thermostatic high efficiency shower system that provides an investment in shower experience while reducing consumption. The sleek panel construction features high-quality materials and finishes to compliment any modern interior.

Features.

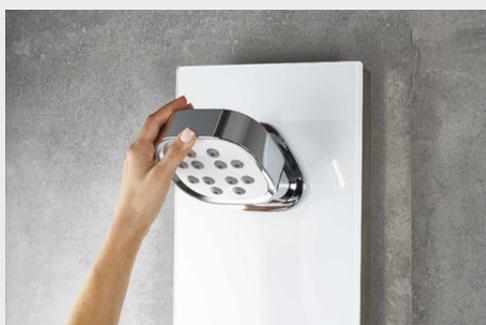
- Significantly reduces water consumption without compromising experience.
- Reduces hot water energy and carbon emissions.
- Flex showerhead rotation provides control over direction of spray.
- eHandset™ for precise showering and cleaning.
- TMV2 Thermostatic control delivers safe constant blended water.
- Simple installation – mixer features standard 150mm pipe centres.
- Proven in the harshest environments for reliability.

Specification at a glance.

- Air-Powered™ Technology
- Flow rate: 5 litres/minute
- 6mm safety toughened white glass, mirrorchrome, white
- Regulation 4 / WRAS approved
- 150W-36V AC Transformer
- Working pressure 1 – 5 Bar.
- TMV2 Thermostatic mixer valve
- Dimensions: H 1030mm x W240mm x D83mm
- 2 Year warranty



Key Features



Flexible Showerhead – Flex™

The smart Flex™ showerhead features an array of 12 patented MACRO-Jet™ nozzles, each designed to create a perfect stream of water with large MACRO droplets. With head rotation up to 30°, the showerhead can be adjusted to provide increased control over direction of water spray – from head to toe.



Precise Control – SafeTemp™

Simple intuitive operation allows you to control the water flow at the turn of the dial. Kelda SafeTemp™ technology ensures safe hot water temperature and prevents any unpleasant temperature fluctuations. Family-friendly, hot water is limited to a maximum temperature of 38° C to prevent scalding.



Premium Materials Certified

A Kelda shower uses premium components, materials and finishes that are not only designed for reliability and durability but responsibly sourced to reduce the impact that we make on our planet. Our mission is to ensure our product's carbon footprint (complete lifecycle) is kept to a minimum.

The Commercial Shower Panel is designed for environments where durability, robust design and low maintenance are key factors. The high efficiency shower system conforms and exceeds all regulatory standards while providing an invigorating shower experience.

Features.

- Significantly reduces water consumption without compromising experience.
- Reduces hot water energy and carbon emissions.
- Anti-vandal Fixed showerhead at perfect angle for optimum spray.
- Push-button timed-flow operation to promote water reduction.
- TMV3 Thermostatic control delivers safe constant blended water.
- Simple installation – mixer features standard 150mm pipe centres.
- Proven in the harshest environments for reliability.

Specification at a glance.

- Air-Powered™ Technology
- Flow rate: 5 litres/minute
- 304 / 316 Stainless Steel, bright chrome, white
- Regulation 4 / WRAS approved
- 150W-36V AC Transformer
- Working pressure 1 – 5 Bar.
- TMV3 Thermostatic mixer valve (NHS standard)
- Dimensions: H 1100mm x W222mm x D86mm
- 2 Year warranty

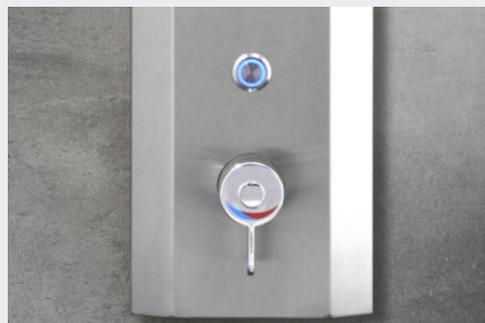


Key Features



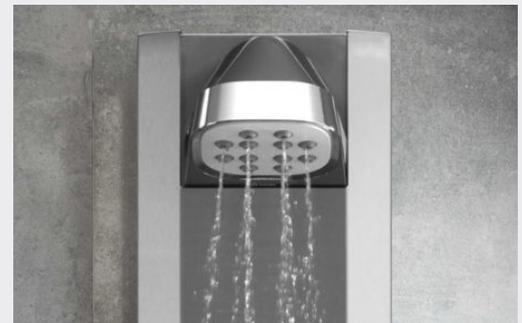
Fixed Showerhead – Fixed™

The Fixed™ showerhead features 12 patented MACRO-Jet™ nozzles, each designed to create a perfect stream of water with large MACRO droplets. The head is constructed from high impact strength engineering thermoplastic for increased durability, and fixed at the perfect angle to provide optimum spray performance – with all hair types in mind.



Water-Efficient Control

Kelda's commercial specification shower panel with TMV3 safety valve provides the user with full temperature control up to 38° C to prevent scalding. In order to promote water reduction flow is activated by a digital push-button which can be pre-set from 10 to 60 seconds.



Fail-safe Design

Kelda TMV3 safety valve has been tested at both high and low pressures to meet the highest NHS D08 safety standards, such as thermal shut down on hot or cold supply failure, testing for hot spikes, testing for temperature control at equal and unequal pressures, testing for temperature stability under changing inlet temperatures as well as many others.

Need more information?

www.keldashowers.com

YouTube Channel:

Technology explainer video: https://youtu.be/_SvLyUJjml8

Installation video: <https://youtu.be/VDB82fxAPoc>

Maintenance video: <https://youtu.be/mYFo-kn3X8o>



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