



Challis
Water Controls

CHALLIS WATER CONTROLS

SUMMER 2012



Challis Achieve BREEAM Excellent At Leeds Metropolitan University

Recently completed Carnegie Village provides 479 study bedrooms in cluster flat and town house arrangements. This partnership development between Leeds Metropolitan University and University Partnership Programme has environmental performance high on its list of key requirements.

With this in mind UPP in partnership with Challis Water Controls developed the bespoke [UPP Kit](#) consisting of anti tamper shower head, thermostatic and pressure balanced shower mixer, basin & kitchen tap. With this combination of water efficiency and high performance the subsequent

[BREEAM](#) excellent rating was a formality.

“We have specified Challis products for the last 10 years in developments across our whole estate. The fact that we are not yet considering the replacement of any units in our very first developments confirms we picked the right units to start with. This coupled with reduced maintenance and water/ energy bills validates and outperforms our initial whole life cost calculation.” UPP

The key to the success of Challis units in this application is Performance. We have managed to combine water and energy savings capability with real power performance so



the user does not even realize their “saving the planet”.

Add in reduced whole life costs and you have a real winning combination that will actually pay for its self and save year after year.

To read the full case study along with others: www.alchallis.com/case_studies.php

New BREEAM Tap

Key to the success of our products in particularly university halls of Residence applications is our new BREEAM kitchen taps. Not many people realize that in a multi user kitchen application BREEAM compliant kitchen tap **IS** required.

With this in mind Challis has developed a range of taps with our patented multiflow cartridge that can be clicked from water saving flow to full flow and automatically back to water saving with the click of a finger. For Further Details: <http://www.alchallis.com/products/shower/BREEAM.php>



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Why we think you'll love Challis Water Controls Products

- Safety
- Reliability
- Sustainability
- Performance
- Value for Money
- Design

Challis Legionella Control Success in NHS Trusts

After several recent legionella outbreaks the media has re enforced the need for effective legionella control measures.

Many current systems are either prohibitively expensive or rely on harsh chemical dosing and often they have little residual effect.

Once again Challis Water Controls have focused on a simple well tried and tested solution. The concept of ionization has been around for thousands of years. Its use became widespread during the Roman era when silver was used in drinking water for sterilization.

Today ionization has traditionally focused on drinking water supplies.

NASA uses ionization units on its manned space missions and it is also becoming the more popular method for treating commercial potable water supplies such as in Halls of Residence,

Hospitals, Care Homes and Hotels all of which require a control system which is simple to operate and maintain and most importantly is 100% guaranteed effective on neutralizing legionella for years

Main benefits of Challis System

- Residual Effect (Keeps killing Legionella Throughout Water System)
- No Harsh Chemicals (No Taint)
- No Regular Dosing Requirement
- Low Power Consumption
- Does Not Heat Water
- Quick, Easy & Cost Effective to Install and Operate
- Long Working Life



Our simple effective approach and concept has meant that NHS Trusts across the UK are already benefitting from the cost saving and peace of mind afforded by installing a Challis Legionella Control unit.

For Further Details call 01628 529024

Challis Limescale Inhibitor Set to be Installed in 1,000's of UK Homes



Limescale build up within any water system can not only cause £1,000's worth of damage it can result in a huge drain your heating capacity and subsequent energy bills. So it makes sense to ensure that your system is limescale free and more importantly stays that way.

The Challis Limescale Inhibitor once again focuses on simple and proven technology providing a solution that really works and keep working year after year. Our Catalytic process uses a combination of surface contact, turbulence and very small electrical currents to cause a reaction with water. Composed of a

specially shaped semi-precious metal alloy as water flows over the catalytic alloy it is subjected to a series of pressure drops and electrical charges, this in turn causes limescale to precipitate out into suspension in the water .

Thus protecting applications from a small flat or home, right up to large commercial applications. Our unit can be fitted in line quickly, easily and cost effectively, requiring no electrical power giving water systems and boilers across the country a new lease of life.

For Further Details call 01628 529024

Water Saving Showers

Universities across the country are currently looking at ways of reducing soaring energy and water bills. One of the simplest and often overlooked solutions to this problem is retro fitting aerating showerheads and tap aerators. With 1,000's of units installed in university halls of residence across the UK we at Challis Water Controls, being the largest manufacture of these products in the country, are in a unique position to help cut dramatically your energy and water

bills, not only immediately but into the future as well.

Power performance coupled with robust reliability is the key to the success of our products across a wide range of application from military barracks to luxury homes.. Factor in our new anti bacterial coating and you have a really winning combination. For More Details: www.alchallis.com/products/water/water.php



Challis Water Widget Now In Over 4 Million UK Homes

With the Challis Water Widget in over 4 million UK homes we must be doing something right.

If you shop at Sainsbury's Debenhams, John Lewis or any of our high street partners you may have been offered a free water widget.

In partnership with OFGEM, British Gas & Eon we implemented the CERT (Carbon Emissions Reduction Target) Scheme, distributing water & energy saving shower attachments (Water Widget) to over 4 million UK homes. With a saving of just over 1 tone of carbon for each Water Widget we have saved over 4 million tones of carbon. This huge saving was generally accepted as one of the most successful and cost effective carbon reduction projects ever launched in the UK.

The overwhelming success of this project was due to the Water Widgets unique combination of water saving capability and increased performance that means that the unit is installed and retained, a real life fit and forget product that goes on saving water and energy year after year without maintenance or any attention by the customer.

The water widget is the basis technology behind all Challis Water Controls shower products and as such the long term success of this CERT scheme is a real endorsement of the performance and robust reliability of our technology.

4 Million Happy Customers Can't Be Wrong

For More Details:

<http://www.alchallis.com/products/water/WaterWidget.php>



Sainsbury's

British Gas

Challis Booster Solves MOD Pressure Problems

Borden Garrison, located 10 miles from Aldershot, the home of the British Army and one of the largest garrisons in the UK. Accommodation consists of a number of classic Sandhurst blocks. These blocks accommodate approx 300 soldiers with 37 communal showering areas and associated washrooms.

The Sandhurst Block accommodation was due refurbishment as many of the water storage tanks in the roof space were reaching the end of their useful life and were due for replacement. Taking into consideration the capital cost involved in replacing the tanks the MOD wanted to take this opportunity to consider alternate systems as replacement. Over a number of years the costs of maintenance of the water tanks, anti legionella cleaning and preventative measure have increased and the MOD requirement were to reduce these costs or if possible negate them completely. Along with the savings the MOD also required improvements in the levels of performance i.e. adequate storage to cope with peak demand requirements coupled with high pressure showering performance at all outlets.

After detailed evaluation the decision

was taken to fit 36 x 450 litres Challis Boost cylinders.

As the ChallisBoost cylinders were pressurized and are installed directly on to the incoming mains supply they were classed as part of the mains supply system as such there is no requirement for any preventative legionella measures Coupled with the nil requirement for pumps and the maintenance and running costs associated significant savings could be achieved annually

Total Savings £18,000 per annum
Total Saving Over 5Year Period £90,000

Payback period 12 Months

“Significant savings in both anti legionella measures, maintenance and energy requirements have exceeded our expectations.. Our experience of the units is that they have been reliable and robust at the same time providing vastly improved levels of performance.” MOD

For More Details and to View Our New Video:

www.challisboost.com

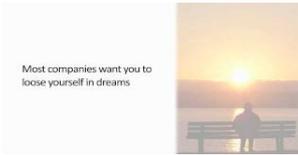
WRAS
APPROVED
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New Videos



[FM Mattsson
Showers & Taps](#)



[Challis "Instead Of"](#)



[Challis WaterGuard](#)



[Challis Boost](#)



[Challis Water Saving
Products](#)

Challis Awarded ISO Quality Assurance

Challis Water Controls is very pleased to announce that it has been awarded both ISO 9001 and ISO 14001 Quality Assurance Standard.

ISO 14001 is the international standard that specifies a process for controlling and improving an organization's environmental performance by the implementation of an effective Environmental Management System (EMS)

ISO 9001 is the internationally recognised standard for the quality management of businesses and applies to the processes that create and control the products and services. This standard also prescribes systematic control of activities to ensure that the needs and expectations of customers are met. Being awarded these important certifications, marks a significant step change in our companies development and re enforces our companies commitment to quality customer care and environmental sustainability



Challis Water Guard Cuts Tax Bills

Challis WaterGuard is a leasing facility which enables your organisations to fit showers taps and a whole range of water and energy saving equipment without the necessity of an up front capital sum



normally associated with outright purchase. WaterGuard enables your organisation to spread the cost of equipment over its expected useful life and pay for it out of the extra savings generated thus releasing capital to be used more profitably somewhere else in your organisation. In real terms you are renting the equipment rather than buying and benefiting from all the tax and cash flow advantages that leases afford to a business. This enables your organisation to

obtain what you like, when you like, for as long as you like.

What Are The Key Benefits Of Challis WaterGuard?

- No Up Front Capital Cost
- Rentals can be spread over replacement or refurbishment period
- Saves Tax
- Eases cashflow with fixed rates
- Reduced water utility bills
- Reduced energy utility bills
- Reduced Carbon Footprint
- Enables achievement of sustainability targets
- Lease rentals paid for out of utility savings. Pay as you Save
- Enables installation and replacement of new design & technology
- Reduces Maintenance
- Reduced Overheads
- Regular replacement with new equipment
- Improved customer satisfaction/retention
- Confidence in dealing with UKs largest manufacturer

For More Details:

www.challiswaterguard.com



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Exceeding Our Clients Expectations