

LIMESCALE

The visible problems...

- Scaled-up shower heads and taps
- Scaled-up kettles and steam irons
- Over use of shampoo and detergent
- Itchy and dry skin
- Black mould on shower curtains and tiles
- Scaling in baths, toilets and sinks



Avoid scaling build-up in dishwasher and toilets.

The hidden problems...

- Scaling of hidden pipes, boilers, elements and safety valves
- Increasing fuel and de-scaling costs
- Early replacement of heating elements and appliances such as kettles, washing and dishwashing machines
- Appliances take longer to heat, consume more electricity and eventually burn out.

THE BENEFITS OF CALCLEAR

- ✓ Environmentally friendly - softens water without using chemicals
- ✓ Easy installation
- ✓ Low running costs
- ✓ Maintenance free - no more back flushing or bags of salt
- ✓ Improves use of shampoos and detergents
- ✓ Ends annoying limescale build-up in kettles, shower heads and appliances
- ✓ Progressively descales existing pipework and appliance
- ✓ Reduces long term plumbing repairs and costs for water heating



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Mobile **SOFTWATER**



**SMALL, COMPACT UNIT –
EASY TO STORE, INSTALL,
TRANSPORT AND RELOCATE**

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**THE
SCIENTIFIC
SOLUTION TO
HARD
WATER**

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CALCLEAR

COMPUTERISED WATER CONDITIONERS

The scientific solution to HARD WATER

What is it?

CALCLEAR Water Conditioner offers a unique electronic method of eliminating the problems of limescale from home and commercial plumbing systems and appliances. Installation is simple, needing no plumbing and takes only a few minutes. CALCLEAR uses no chemicals and costs less than \$5 per year to run. Fit CALCLEAR and forget the problem!

How does it work?

CALCLEAR has created a powerful, water treatment system using ionisation by electromagnetic induction. CALCLEAR Water Conditioner is a simple effective, electronic unit which inhibits scale build-up, creates soft water, reduces maintenance and extends the life of plumbing and hot water systems whilst having low running costs.

CALCLEAR uses a tiny computer chip to generate variable wave forms that change the ability of the mineral salts to crystallise and form the unsightly deposits we know as limescale. The changed salts remain in solution where they offer health benefits.

The computer generated signal passes through antennae (*wrapped around the water pipe*) in modulated wave forms within a calculated frequency band width. These generate a strong flux field around and through the water pipe changing the surface charge of the calcium carbonate molecule. This prevents crystals forming and keeps the minerals in solution.

YOUR QUESTIONS ANSWERED

How can CALCLEAR eliminate limescale when not in contact with water?

The CALCLEAR units produce multiple oscillating frequencies which modify the molecular structure and neutralise the bonding of the minerals that would normally form scale. Other minerals such as iron and manganese are also affected.

What happens to the Calcium particles?

They stay in the water in solution but are microscopically small.

How is the Mobile Softwater different from the other CALCLEAR ?

The Mobile Softwater unit is a robust, portable unit that is compact, easy to install and provides a mobile solution to hard water locations.

It features 1" (25 mm) brass fittings extending at each end of the box ready to connect inline between 2 water supply hoses / pipes.



Using a water proof powerpack it is designed to be installed outside making it perfect for caravan parks, domestic, solar and outdoor hot water services and places where it is difficult to attach antennae. The container houses both the electronics and the prewound pipe.

The antennae around the pipe transmit a sine wave programme which creates an electromagnetic field through which the water passes – keeping minerals in solution and turning hard water into soft !

What happens to the limescale that is removed?

It comes away in larger pieces and flows with the water through the pipes in the normal way. Settling may occur in the bottom of hot water heaters but will flake into smaller pieces and be flushed out without difficulty.

When and how will I notice the difference?

The average water system can be descaled in just 12 weeks. The first signs are when the water feels silkier, soap lathers more noticeably and mineral staining is reduced on clothes after washing. Scale starts to soften and fall off toilet cisterns and kettle elements. Scale on taps and shower heads will soften and can easily be scraped away. This limescale will not reform. There should be a progressive increase in hot water temperature and improvement in water flow.

Does CALCLEAR need any maintenance?

After fitting, apart from occasionally checking to ensure the lights are still on, nothing needs to be done. The CALCLEAR units are designed to run trouble and maintenance free indefinitely and carry a three year warranty. Surge protectors are compulsory and should be checked regularly to monitor power surges and may need to be replaced. No warranty without surge protectors.

Will I get more lather from soaps, shampoos and detergents?

Water treated by a CALCLEAR unit can be regarded as soft. Far less shampoo, soap or detergent will be needed. In industry the chemicals can be changed to leave out the de-scaling component with considerable cost savings.

Is CALCLEAR environmentally friendly?

The CALCLEAR unit is the answer to problems of pollution in our waterways caused by excessive use of chemical water treatment. CALCLEAR uses no chemicals and has low energy consumption.

Is the CALCLEAR unit expensive to run?

No, it saves you \$\$\$\$\$. Running costs are minimal and should cost approximately \$10 per year. There will be long term savings in the cost of heating hot water, descaling of elements and dishwashers and replacement and repair costs of appliances.

What about conventional hard water conditioners?

These require backflushing, and endless supplies of salt to regenerate the resin, which leaves harmful sodium deposits as a by product.

What size CALCLEAR Domestic unit should I buy?

MOBILE SOFTWARE or WATER BUDDY -

Pipes up to 25mm, average water hardness.

SENTINEL -

Pipes up to 40mm, for houses with very hard water.

DIGITAL - Suitable for bore water up to 60 mm.

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