



ESSENTIAL  
FOR ENERGY  
SAVINGS

# CaITAC

The superior water  
softener alternative

## Benefits

- Protection from scale throughout the home
- No salt, chemicals or electricity required
- Long lasting media
- Preserves beneficial mineral content
- No slimy soft water feel
- Treated water remains potable



## CaITAC

Scale and hardness protection with  
Template Assisted Crystallisation (TAC).

**BUY WITH CONFIDENCE. PRODUCTS COME WITH A 5 YEAR PARTS GUARANTEE!**



# CaITAC

## Scale and hardness protection with Template Assisted Crystallisation (TAC)



For years water softeners have been the only means of treating hard water and producing soft water. Through developments, Template Assisted Crystallisation (TAC) has produced an effective **chemical-free scale prevention method** which converts hardness minerals into harmless, inactive microscopic crystals. Tested by an independent laboratory, CaITAC achieved a **99.6% effectiveness rating** - the only technology to do so and far more effective than any other water softener alternative.

### How it works

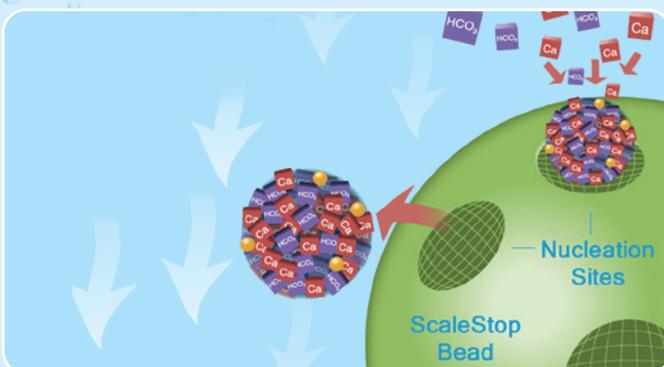
#### Crystal formation

Atomic sized nucleation sites on the surface of small polymer beads convert dissolved hardness into microscopic crystals.



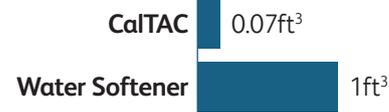
#### Crystal Release and Regrowth

Once the crystals grow to a certain size they are released from the bead. The crystals in solution keep the hardness out of the water so that it can't form scale or interfere with soap.

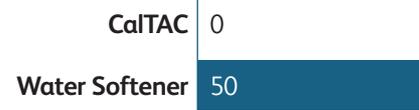


### Efficiency & Economy

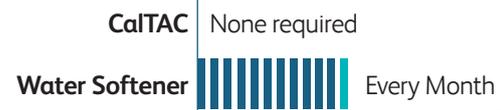
#### Media Volume required



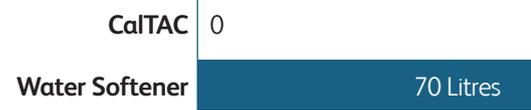
#### Backwash Volume



#### Service Frequency



#### Regeneration Water Volume





## Applications

- Domestic home use as an alternative to water softeners.
- Dishwasher.
- Bath and Shower.
- Washing machine.
- Coffee/Tea machines.
- Water Heaters.

Plus commercial applications such as hotels, car washes, catering industry, manufacturing and where soft water is not a feasible solution.

## Environmentally friendly

- Significantly reduces heating energy consumption where there is no protection or ineffective protection.
- High efficiency protection maintains high efficiency in boilers or water heaters.
- ZERO operating energy required - works on water pressure only.
- ZERO water wasted.
- ZERO brine discharged.
- ZERO salt or chemicals used.

CALTAC 79

CALTAC 60

CALTAC 114

CALTAC 32

CALTAC 46

CALTAC 40

## CaITAC models

Model	Vessel Size	Service Flow
CaITAC 32	8"x20"	32 litres per minute
CaITAC 40	8"x35"	40 litres per minute
CaITAC 46	8"x44"	46 litres per minute
CaITAC 62	9"x48"	62 litres per minute
CaITAC 79	10"x54"	79 litres per minute
CaITAC 114	12"x52"	114 litres per minute



# Guaranteed confidence in water quality

Calmag's **fresh, innovative approach** to water quality has led to the development of the most extensive and effective range of water treatment solutions within the UK water treatment industry - our products are designed with the **needs of our customers** in mind - the merchant, installer and consumer. Calmag's philosophy is based on providing products and services to meet the real needs of all our customers - we don't simply produce what we think you should buy - Calmag have the **unique design** and production capabilities to produce what you want - when you want it!

## Beware of imitations!

There have been a number of instances when customers have been under the impression that they have bought a Calmag product but, in reality, have been supplied with an alternative and inferior product that fails to match the industry-leading performance and aesthetic appeal of ours. So we strongly advise customers to **ask for our product by name**. Other products may seem to offer similar qualities, but if it isn't Calmag, it simply won't perform to our standards.

There are **two key ways to check** that you've purchased a genuine Calmag product: they carry the **WRAS approval** on scale inhibitors, and **BuildCert** approvals on a range of chemical inhibitors through the **BEAMA** association.



Certificate No. 10129



**Condensate Neutralisers**



**Water Softeners**



**Water Filtration**



**Powerflushing**

For more information regarding all Calmag products and services please go to [www.calmagltd.com](http://www.calmagltd.com)

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\* All figures are taken from various published figures