

# NeutrAcalC

Sales information



# NeutrAcalC

## Pros:

- Stops limescale forming
- Removes existing limescale
- Preserves healthy minerals
- No salt required
- No chloride in the water
- No rinsing
- No electricity
- Compact
- Easy to install
- Independently tested up to 99.6% efficiency using German DVGW protocol
- Reduces energy consumption

## Cons:

- Does not give your skin that silky soft feeling
- Does not make you laundry feel softer
- Does not reduce the cost of soap and detergents
- Does not make your bath or shower feel luxurious
- Not a Softener

## Applications:

- Hotels
- Restaurants
- Cafeterias
- Coffee shops
- Offices
- Humidifiers
- Irrigation
- Ground source heat pumps
- Bird feeders

## Limitations:

- Hardness Max 1300 ppm
- pH level of between 6.5 and 8.5
- Temperature range 5°C - 43°C
- Water pressure 15 to 100 psi Max
- Chlorine < 3ppm
- Iron < 0.3 mg/l
- Manganese <0.05 mg/l
- Copper None
- No Oil
- No Polyphosphates
- No Hydrogen Sulphide
- Silica 10 ppm Max
- New copper pipes should be passivized for a min of 4 weeks before using NeutrAcalC
- Not suitable for closed loop systems without blow down

# NeutrAcalC

## FAQ's

### **What is NeutrAcalC?**

NeutrAcalC is a scale inhibiting water treatment technology designed to protect plumbing components, pipes, fixtures, valves, fittings, hot tanks etc. from the effects typically caused by limescale. NeutrAcalC is an alternative to traditional water softening and other treatments designed to address scale. NeutrAcalC prevents scale by transforming dissolved hardness into harmless, inactive microscopic crystal particles. The crystals remain suspended in the water and have a greatly reduced ability to react and form scale compared to untreated water.

### **How is it different from a water softener?**

NeutrAcalC is specially designed to convert the dissolved primary hardness mineral (calcium carbonate) into relatively insoluble microscopic crystals so that it cannot cause harm downstream. A water softener uses ion exchange to remove calcium and magnesium from water while replacing them with sodium ions. A water softener requires a valve, drain and brine regeneration while NeutrAcalC requires none of these.

### **Does NeutrAcalC remove minerals from the water?**

No these are not removed with NeutrAcalC, the world health organisation concludes that hard water is good for you.

### **Does NeutrAcalC remove other chemicals in mains water?**

No Chlorine and Fluoride are not touched.

### **What may effect NeutrAcalC's performance?**

Most mains water should fall within the performance guidelines, dirty water should be avoided and can be pre filtered if required. Sizing is important and NeutrAcalC is more forgiving with variable peaks and troughs.

### **Does the media require replacing?**

Point of use models should have the media changed every 12 months and point of entry systems every three years. See instruction manual.

### **Are they easy to install?**

Yes the connection is via flexible pipes, please follow the instructions in the supplied manual.

### **Why is NeutrAcalC a "Green Technology"?**

It reduces energy consumption, salt usage, waste water and retains natural minerals.

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## Proving NeutrAcalC works!

At PWG we like to test products to give us peace of mind when selling these products that they do work! The following information is from the test reports.

For the purposes of the testing a kitchen boiler was purchased, water was passed through and the following notes reflect the findings of the tests with 500 litre of untreated water, NeutrAcalC treated water and water from a traditional softener. To determine the amount of scale created in each test the element would be removed and weighed.

### After Hard Water

A weight increase of 1.55 g/m<sup>3</sup> giving a clear indication of lime scale creation.

### After NeutrAcalC

No increase in weight or discolouration of the element and tank.

### After a Water Softener

No increase in weight or discolouration of the element and tank.

### After hard water.



### After NeutrAcalC and Standard Softener.



### After NeutrAcalC over a six month period.

