



# The Electronic Anti-Scale System

## Multiple Applications in Supermarkets



**German Technology**  
**Absolutely Magnetism-Free**

**No Salt**  
**No Chemicals**  
**No Maintenance**





## Vulcan — The eco-friendly solution

Vulcan is the eco-friendly water treatment system that protects piping systems and production equipment against scale and rust deposits. Special electronic impulses change the crystallization process of the liquid calcium, removing its adhesive properties. This results in an effective chemical-free solution for your supermarket operation.



### Improving supermarket operations by:

- ▶ Prolonging the life of water based production equipment
- ▶ Protecting the whole water system
- ▶ Saving time on maintenance and cleaning
- ▶ Increasing the efficiency of hot water systems
- ▶ Reducing the need for descaling chemicals and salts
- ▶ Preventing new scale deposits from forming



Misters in food section

### Supermarket misters

The fine spray nozzles and filters of mister systems suffer extremely from scale build-up.

With the Vulcan treatment misters in food sections clog up less, filters last much longer and pressure increases resulting in finer mist production. The misters will also require less frequent drainage and flushing.





Piping systems remain clean and old scale deposits are gently reduced.

Grease traps have reduced odors and more consistent, less cluttering grease.



Cooling towers require fewer chemicals, less cleaning and scale is significantly reduced.



**Installation Details**

**Location:** Avril Supermarket  
Ville de Laval, Québec, Canada

**Model/Area:** Vulcan 3000 was installed on the greenhouse water inlet

**Treatment area:** 2540 drippers are used to water the entire production

**Scale problem:** After 1 year without water treatment, there was an issue with limestone building up in the irrigation system which blocked the drippers, 60% of the entire production (440 trays of microgreens) did not get an even distribution of water. It required us to manually water the unwatered parts of each tray in order to prevent losses.

**Client's feedback:** "After 7 months with Vulcan, we're seeing a huge improvement in regards to the even distribution of water. From now on, manually adding water to the unwatered parts of each tray won't be necessary since there isn't any! We are totally satisfied with Vulcan as well as the service."

**Installed by:** Gestion L.B. Inc.  
www.calcairesolution.com




**Visible results of Vulcan water treatment – before and after**




## Greenhouse water inlet of a supermarket

"After 7 months with Vulcan, we're seeing a huge improvement in regards to the even distribution of water. From now on, manually adding water to the unwatered parts of each tray won't be necessary since there isn't any! We are totally satisfied with Vulcan as well as the service."

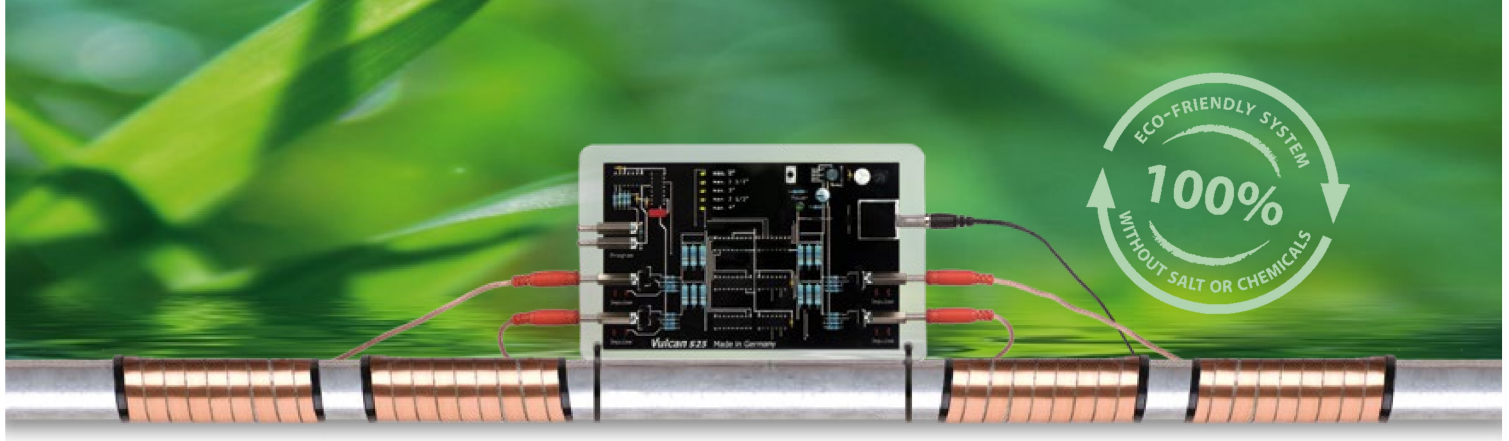
Ice machines operate more efficiently and ice cube formation is enhanced.



Faster cleaning of kitchen and bathrooms. Considerable savings in cleaning agents.

Dishwasher scale is reduced significantly and dishware is now longer spot-free.





## Prevents Scale and Rust

- ✓ Reduction of existing scale in the piping system
- ✓ Installation without cutting the pipe
- ✓ From ½" up to 40" pipe diameter
- ✓ Works on all pipe materials – iron, copper, plastic, stainless steel, PVC, compound pipes, PE-X, etc.
- ✓ 100% maintenance-free
- ✓ Eco-friendly solution without salt or chemicals
- ✓ Prolongs life of machinery and equipment
- ✓ Important minerals remain in the water
- ✓ Long life – fully cast in acrylic
- ✓ 25 year international warranty

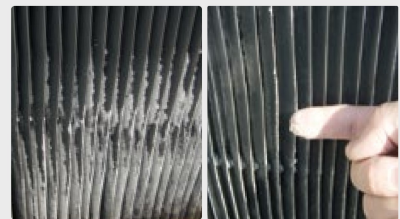
## Visible results of Vulcan water treatment – before and after



Piping system



Grease trap



Cooling tower grids

## Quality — Made in Germany

- ▶ Manufactured by Christiani Wassertechnik GmbH (CWT) in Germany
- ▶ Over 40 years of experience in physical water treatment
- ▶ Successful in more than 70 countries worldwide
- ▶ 25 years international warranty

