



# The Electronic Anti-Scale System For Wineries and Wine Production



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

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







## Vulcan – The eco-friendly solution

Water is a valuable resource which needs to be managed properly to maximize efficient usage. The Vulcan-Impulse-Technology treats the water with special electronic impulses that take away the adhesive power of the scale. Scale is simply washed away with the water as a fine powder. Vulcan provides a salt-free and chemical-free solution for all types of scale-related problems.



### Benefits for your wine production

- ▶ Reduction of scale in pipes, sprinklers and filters
- ▶ Reduction of chemical and salt costs
- ▶ Less time and effort spent on cleaning
- ▶ Maximized life of production equipment
- ▶ Minimizing the need for fertilizers and pesticides
- ▶ Fruits keep their natural taste



### Without salt and chemicals

When hard water is used to irrigate crops, scale deposits form on plants and their leaves which obstruct contact with sunlight. This hinders the process of photosynthesis and therefore the growth of the plants. Salt based ion exchangers have a negative effect on the environment in agricultural applications because of residual nitrates that leach into the ground water. With strict regulations and restrictions on enterprises using "Eco-Friendly" or "Organically Grown" labels, Vulcan's chemical-free method is the right solution.



## Saving money with Vulcan

Production equipment often suffers from scale buildup. Scale cannot evaporate, so when a new cycle of water is introduced, the scale builds up more and more. This type of hard compounded scale is expensive to remove so frequently.

Vulcan reduces the amount of scale deposits and reduces the amount of required maintenance. It offers you a permanent solution without on-going costs, repairs or replacements.



### Application examples

- ▶ Cooling towers & heat exchangers
- ▶ Chillers & refrigeration systems
- ▶ Vacuum pumps & valves
- ▶ Grinders & mixers
- ▶ Condensers
- ▶ Industrial ovens & presses
- ▶ Food processing
- ▶ Sprinklers & irrigation systems

### Vulcan installed at a tree nursery

"... all these years the leaves of the plants had a white color and not the well known green color. After installing Vulcan, I found out there is no more white sedimentation on the leaves and soil. Most of all I realized a big improvement in the growth of my plants. ..."

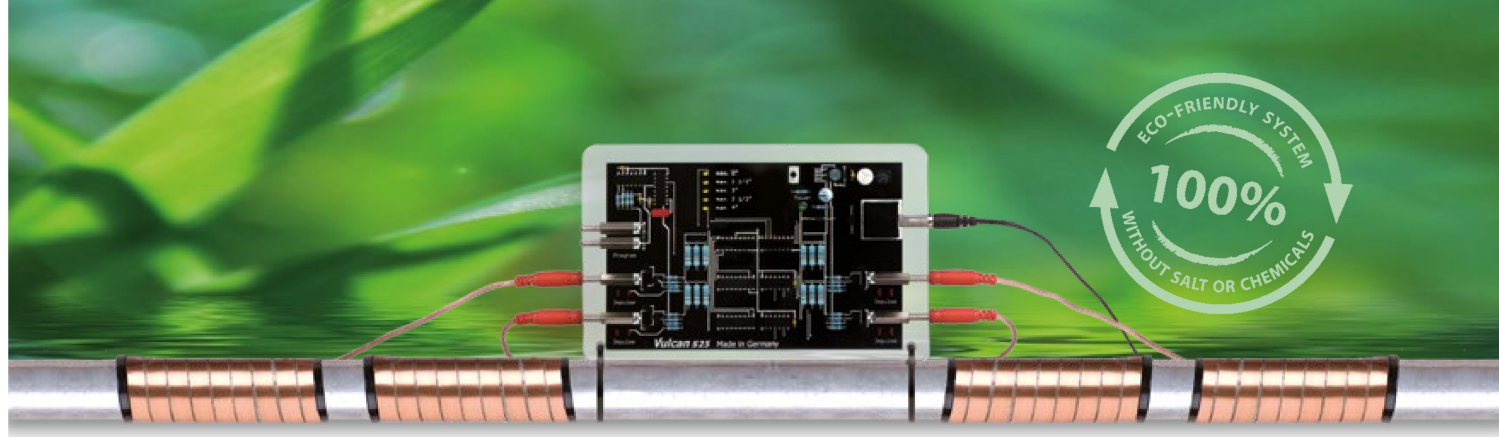


### Case study

"After installing Vulcan, we were able to stop all chemical based cooling tower treatment. After approx. six months, almost no scale build up was observed. Small amounts of scale that were found on the cooling tower are easily removed with the wipe of a finger."







## 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



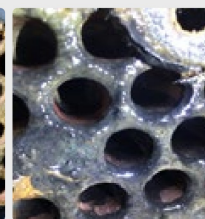
Plants and turf



Piping system



Shell and tube heat exchanger



## 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

