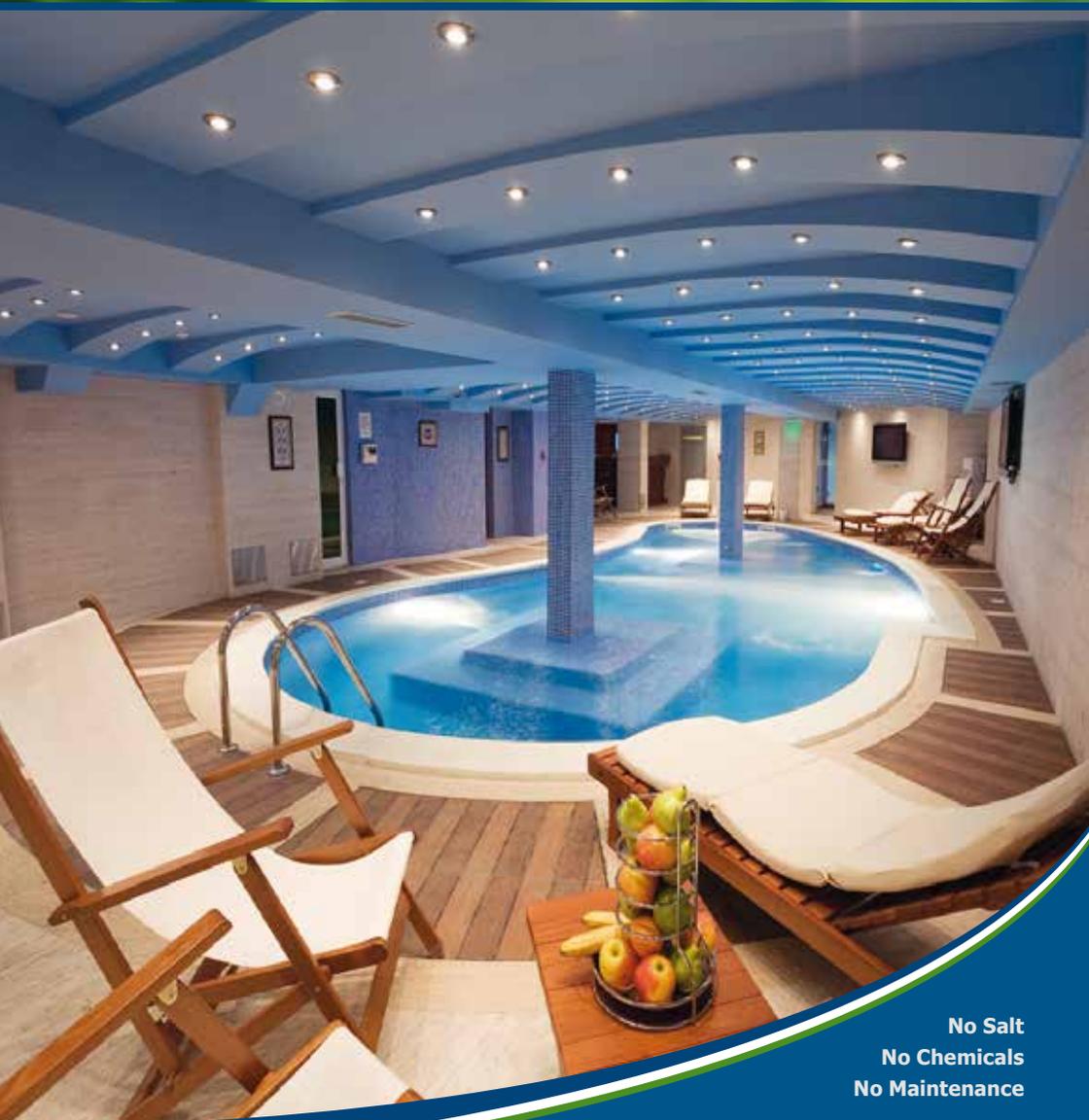




The Electronic Anti-Scale System Swimming Pools and Spas



No Salt
No Chemicals
No Maintenance

German Technology
Absolutely Magnetism-Free





Vulcan – the alternative to water softeners

Swimming pools and spas are complex systems that demand rigorous cleaning efforts and complicated water treatment procedures. Their pumping and filtration systems are very sensitive to scaling. Cleaning these consumes tremendous amounts of time and money on a daily basis. Vulcan reduces the cleaning for pools and spas, the water line, tiles, grids, floors and pool walls.



Benefits for your pools and spas

- ▶ Reduction of scale deposits in the whole pool and spa system
- ▶ Longer life and improved performance of filters and pumps
- ▶ Reduction of chemicals that control bacteria and the pH-levels
- ▶ Extensive reduction of cleaning efforts
- ▶ Heat exchangers operate more efficiently



Hotel whirlpool in a wellness area

The eco-friendly solution

Vulcan significantly reduces scaling in and around the swimming pool, in the whole piping system and in the filters and pumps.

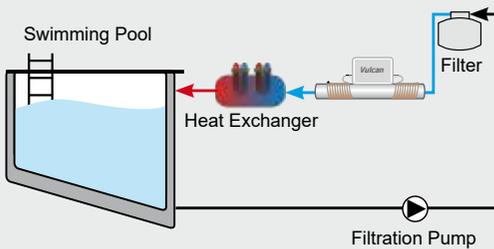
Vulcan treats water with special electronic impulses that affect the adhesive properties of scale. This is 100% eco-friendly and works without any chemicals or salt. Scale is simply washed away with the water as a fine powder.

Improved water quality

Pools are half-open loop systems which suffer constant water loss as the pool water evaporates. The water demands constant maintenance and chemicals need to be added to keep bacteria, algae, and air quality in compliance with standards. Vulcan improves the water quality and with this the effectiveness of certain substances. Vulcan reduces the cleaning effort for the pool itself, the water line, for tiles, grids, floors and walls.



Thermal saltwater pool



Installation recommendations

In an ideal setting, Vulcan should best be installed *before* the heat exchanger. If possible, the placement should also be *after* the filters, for example a sand filter, active carbon filter, etc.

Cleaning agents are used to fight the scaly waterline, grids and surfaces. Vulcan minimizes scaling which results in easier cleaning and the reduction of cleaning agents and chemicals by up to 50%.



The **disinfection** of pool water is mostly secured by adding chlorine (Cl). Chlorine can often be reduced by up to 10-25%. Active oxygen can cut back step by step by starting with a reduction of 10 percent.

pH adjustors rebalance the pH which has been disturbed by the addition of disinfectants. The use of adjustors can be reduced in the same ratio to which the disinfectant product has been reduced.





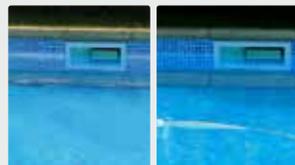
Vulcan Prevents Scale and Rust

- ✓ Reduction of existing scale in the piping system
- ✓ Installation without cutting the pipe
- ✓ From 1/2" 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
- ✓ 10 year international warranty

Visible results of Vulcan water treatment – before and after



Swimming pool filter



Swimming pool scale line



Piping system

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
- ▶ 10 years international warranty

