



The Electronic Anti-Scale System

for opera houses and theaters



German Technology
Absolutely Magnetism-Free

No Salt
No Chemicals
No Maintenance



Eco-friendly water treatment with Vulcan



In areas with hard water, limescale deposits attack the water pipes, appliances, and sanitary facilities of all residential complexes and buildings. The environmentally friendly Vulcan water treatment system offers you a long-term solution to save costs and minimize building maintenance. Vulcan keeps pipes, fittings, and all water-carrying fixtures clean for longer. Pipes that are already clogged are gently restored. The electrical process works without chemicals and is completely maintenance-free.



Benefits in building complexes and playgrounds

- ▶ Less time and effort on maintenance in building and facilities
- ▶ Machinery and equipment perform more reliably: cooling towers, heating systems, etc.
- ▶ Extension of the service life of the osmosis membrane in osmosis systems
- ▶ Faster cleaning of kitchens and bathrooms
- ▶ Cleaner sprinkler nozzles for garden irrigation
- ▶ Filters, shower heads and basins stay cleaner
- ▶ Considerable savings on cleaning agents
- ▶ Benefits and savings when used in kitchens and cafeterias



The eco-friendly solution

Vulcan gently reduces already existing deposits in the piping system. The scale build-up process is reversed and the pipes gradually become clean again. This take-out process will not block up your pipes or drain because the treated crystals are microscopic in size and wash away in the water.

- ▶ Prevents scaling in pipes and appliances
- ▶ Gently sanitizes the piping system
- ▶ Protects against rust damage and perforation

CWT-Christiani Wassertechnik GmbH
Herr Rolf Christian
Kaiserberg 147, 154
10997 Berlin

HARTWALL
AREENA

Dear Sir

We have been using CWT-Christiani Wassertechnik GmbH Vulcan water treatment equipment in our ice hockey hall Hartwall Arena.

We are using many sizes of Vulcan for several heating/cooling equipment in our water system:

- Vulcan 5000
- Vulcan S 25
- Vulcan S 100.

We have realibility with these systems and have been most satisfied in using them.

Vulcan is a high-quality and great solution to different kind of premises:

Yours sincerely,
Hartwall - Areena


Jari Vasanen

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Theaters * Performance venues
Event venues * Sports venues
Exhibition halls * Stadiums

Volkshöhne Theater Berlin

www.volkshuehne.berlin



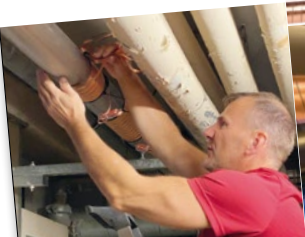
INSTALLATION LOCATION
Volkshöhne Theater in Berlin, Germany

MODEL SIZE & INSTALLATION AREA
 Vulcan S50 is installed on the main water pipe

PURPOSE
Solving problems with hard water in the pipe system and in the in-house laundry.

RESULTS
After a 6-week Vulcan test, management is satisfied with the results of Vulcan water treatment, and the laundry also has better washing results.

INSTALLER
1st SELECTION Chemical-free systems, www.1st-selection.eu



Vulcan S50 is installed on the main water pipe.

HANS
OTTO
THEATER

www.hansottotheater.de



LOCATION
HANS OTTO THEATER in Potsdam, Germany



MODEL SIZE AND INSTALLATION AREA
 Vulcan 5000 is installed at the water line of the washing machines

PURPOSE
To solve the hard water problems at the washing machines in the laundry of the costume department

INSTALLER
1st SELECTION Chemical-Free Systems, www.1st-selection.eu

ABOUT
The Hans Otto Theater is the theater of the state capital of Potsdam.

Its main venues are the Big House with 495 seats and the nearby Riding Arena with 162 seats.

There is also a smaller stage and an open-air summer stage at the lake.

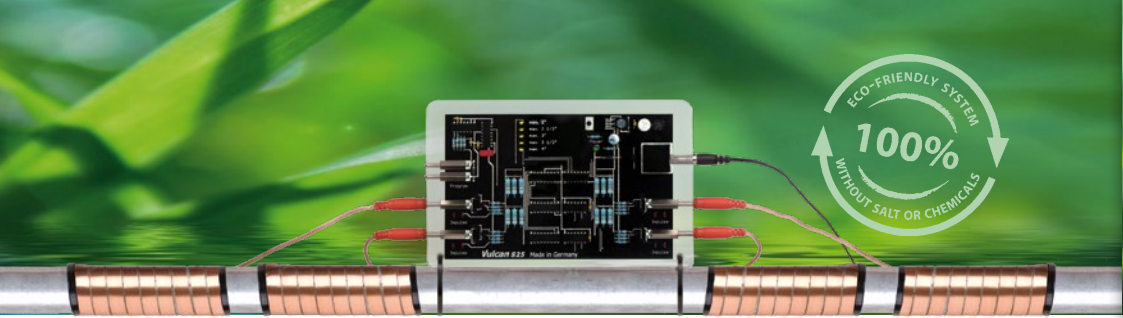


Vulcan-Impulse-Technology

The Vulcan-Impulse-Technology treats the water with special electronic impulses that take away the adhesive power of the scale particles.

Scale components are simply washed away with the water as a fine powder. Vulcan also reduces already existing deposits.

The build-up process is reversed. In addition, the electronic Vulcan impulses generate a metal-carbonate protective layer that prevents pitting corrosion.



Vulcan 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



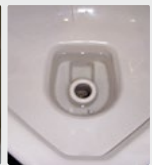
Piping system



Heating element



Toilet bowl



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

