



The Electronic Anti-Scale System For Farming Applications



German Technology
Absolutely Magnetism-Free

No Salt
No Chemicals
No Maintenance





Vulcan — The chemical-free solution

Scale is a big problem in farming applications. When hard water is used, scale deposits will decrease the efficiency of the whole farm. This will cost a lot of time, money and energy.

Scale deposits are a perfect breeding ground for bacterial growth and algae. Illnesses, infections and a decrease in healthy animal growth are the results.

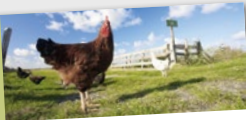


Save money with Vulcan

- ▶ Reduction of scale deposits in the whole piping system
- ▶ Minimizes operating costs and maintenance visits
- ▶ Reduction of salt or aggressive chemicals
- ▶ Less time and effort spent on cleaning
- ▶ pH levels remain unchanged – preventing corrosion
- ▶ Less biofilm



The Cooling Systems in the Poultry Farm



Installation details

Location: 3 chicken farms in Morocco
Area: • 6 cooling systems
• Drinking water of hens

Model: **Vulcan S10**

Result: The customer built the new cooling tower pads to test the Vulcan effects and compared the old pads which had not been cleaned for more than 5 years.

After Vulcan had been installed for 2 weeks:

- For the new pads, the new scale formed like powder, and it can be eliminated very easily.
- For the old pads, it took longer time to clean the old scale with a water gun.

Installed by: STE ETCT INDUSTRIE



Vulcan S10 was installed in the water main to treat 6 cooling systems in 3 chicken farms.



Without any water treatment, the scale was hard like stones, which had not been cleaned for more than 5 years.



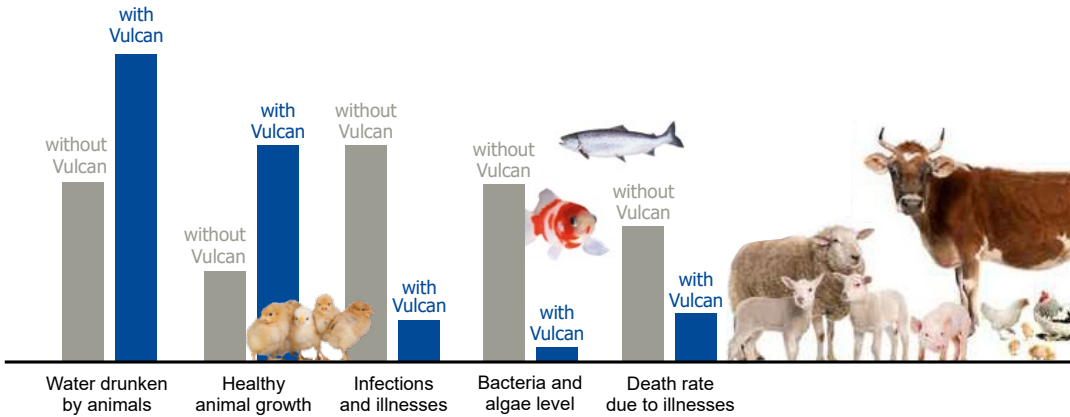
After Vulcan S10 had been installed for 2 weeks, the old scale had been softer, and the new scale had formed as powder. The new scale was easy to clean, and the old scale took more time to clean up with a water gun.

Vulcan benefits for farming

The incubators stay clean longer and the humidification system operates more effectively. You will see better growth rates and less illness.

The water will also taste better resulting in your animals drinking more water and staying healthy. Vulcan is also effective at keeping nipple drinkers, bell drinkers and spray nozzles are clear of any blockages.

Vulcan improves animal health



Increased productivity

- ▶ Improved effectiveness of refrigeration equipment
- ▶ Maximizes life of appliances and equipment
- ▶ Cleaner drinking cones & cooling panels
- ▶ Increased performance of water heaters
- ▶ Decrease of bacteria and algae levels
- ▶ Decrease of infections and illnesses

Healthier animals

Vulcan provides fresh and healthy water for your animals. The animals' health is improved as bacterial and algae growth is reduced. The reduction of algae levels in the water leads to a substantial improvement in the water's taste. This motivates more drinking which typically raises animal health. You will see better growth rates and less illness (e.g. reduction in poultry leg infection).

"Dear Mr. Christiani,

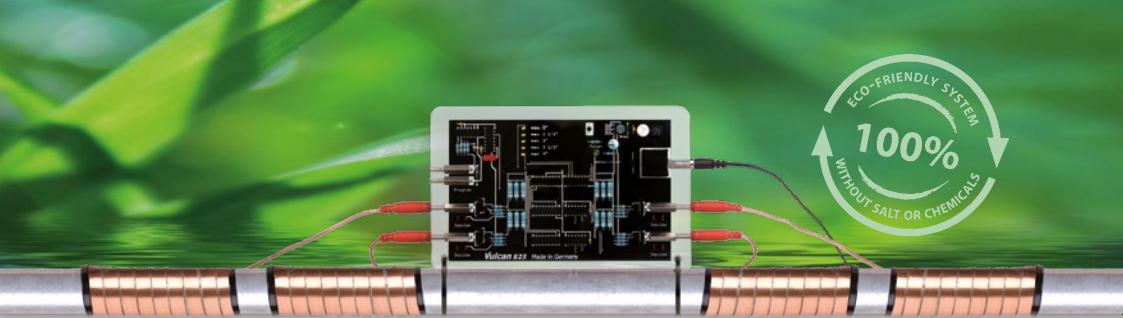
After 2-3 days of the installation, it was remarkable that the lactating cows were permanently drinking from the drinking trough and that therefore the milk production also improved after 14 days, which again led to higher weights of the piglets (before: ca. 7 kg, now: 8 kg).

Furthermore, we observed that scale and biofilms in old pipes for liquid feeding dissolved, leading to an improved feeding behavior of the fattened pigs. Moreover, we used to have trouble with flank abscesses due to biofilms that were probably caused by bacteria discarding endotoxin. This progressively improved with the use of CWT water treatment.

I can also tell you about a cow farmer whose pipes were not clogged anymore after the installation of CWT products. Before, he had to flush the pipes every 4 weeks with air and water to make sure the cows could get enough water through the pipes. He could furthermore observe that the biofilm on the high-alloyed steel drinking trough dissolved after 14 days. After about 4 weeks, the farmer also reported that the cows produced about 0.5 L more milk per day.

Regards, H. Fasselt"





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

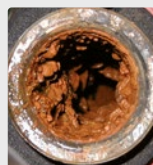
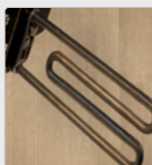
Visible results of Vulcan water treatment — before and after



Cleaner drinkers



Heating element



Biofilm in a 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
- ▶ 25 years international warranty

