



The Electronic Anti-Scale System Poultry Farms



German Technology
Absolutely Magnetism-Free

No Salt
No Chemicals
No Maintenance





Vulcan — The chemical-free solution

Scale is a big problem in farming.

When hard water is used, scale deposits will decrease the efficiency of your whole poultry farm. This will cost a lot of time, money and energy.

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



Benefits of using Vulcan

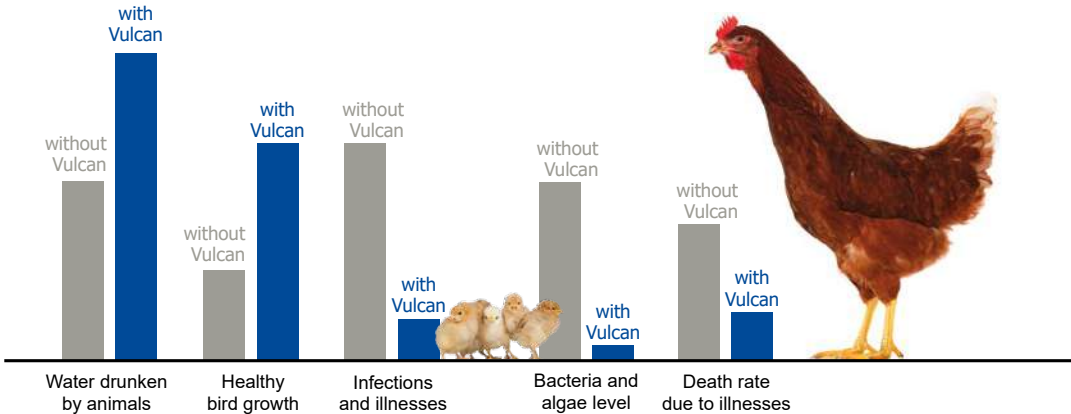
- ▶ Reduction of scale deposits in the whole piping system
- ▶ Minimizes operating costs and maintenance visits
- ▶ Maximizes life of appliances and equipment
- ▶ Less time and effort spent on cleaning
- ▶ Minimizes the use of salt or aggressive chemicals
- ▶ pH levels remain unchanged – preventing corrosion
- ▶ The water tastes better – the animals are drinking more water and are healthier



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 carefully dissolves already existing deposits. In addition, the Vulcan impulses generate a metal-carbonate protective layer that prevents rust and pitting corrosion.

Vulcan improves animal health



Benefits for your poultry farm

- ▶ Incubators stay clean and the humidification system operates better
- ▶ Nipple drinkers, bell drinkers and spray nozzles are clear of blockages
- ▶ Improved effectiveness of cooled refrigeration equipment
- ▶ Cleaner drinking cones and cooling panels
- ▶ Increased performance of water heaters
- ▶ Decrease of bacteria and algae levels
- ▶ Decrease of poultry leg infection and are healthier



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.

See the video here: www.bit.ly/ma-poultry

Healthy water for healthier animals

Vulcan provides fresh and healthy water for your animals. The animals' health is improved as bacterial and algae growth is reduced by Vulcan. 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).



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

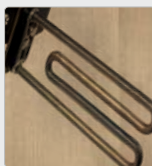
Visible results of Vulcan water treatment — before and after



Clean drinker



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

