



Against Scale and Rust

Physical Water Treatment Maritime Applications

Vulcan water treatment is the **eco-friendly** and **salt-free** solution to prevent scale and corrosion in maritime applications



A ship carries a lot of machinery and equipment, which come in contact with water. Scale deposits in the piping system can cause fatal damage to engines and turbines, which are very expensive to repair.

In the daily use of water on board (in bathrooms, kitchens, swimming pools, etc.) Vulcan helps to eliminate problems caused by scale.

Benefits of using Vulcan

- ▶ Reduction of scale deposits in the whole piping system
- ▶ Minimizes overall operating costs and maintenance visits
- ▶ Maximizes life of appliances and equipment
- ▶ Reduces bacterial growth and biofilm (typical breeding ground for legionella bacteria)
- ▶ No need of salt or aggressive chemicals
- ▶ pH levels remain unchanged - preventing corrosion
- ▶ Vulcan is also effective in low-flow areas
- ▶ Reduces hot water energy consumption

Application Examples

- ▶ Cruise Ships
- ▶ Passenger Ships
- ▶ Cargo Ships
- ▶ Naval Ships
- ▶ Research Ships
- ▶ Fishing Ships
- ▶ Merchant Ships
- ▶ Yachts
- ▶ Ferries ...



Engines: Vulcan controls limescale deposits in the water cooled jackets, in transfer lines or coolers. Vulcan treats scale build-up in the heat exchangers (hot water production) or in the heat chambers in engines.

Ballast tanks: Ballast water will be handled easier and scale deposits will be reduced.

Potable water: Vulcan controls scale deposits in the desalination and works with distillation or reserve osmosis equipment.

Wastewater: Vulcan smooths the incrustations of all wastewater transport ways.

Quality - Made in Germany



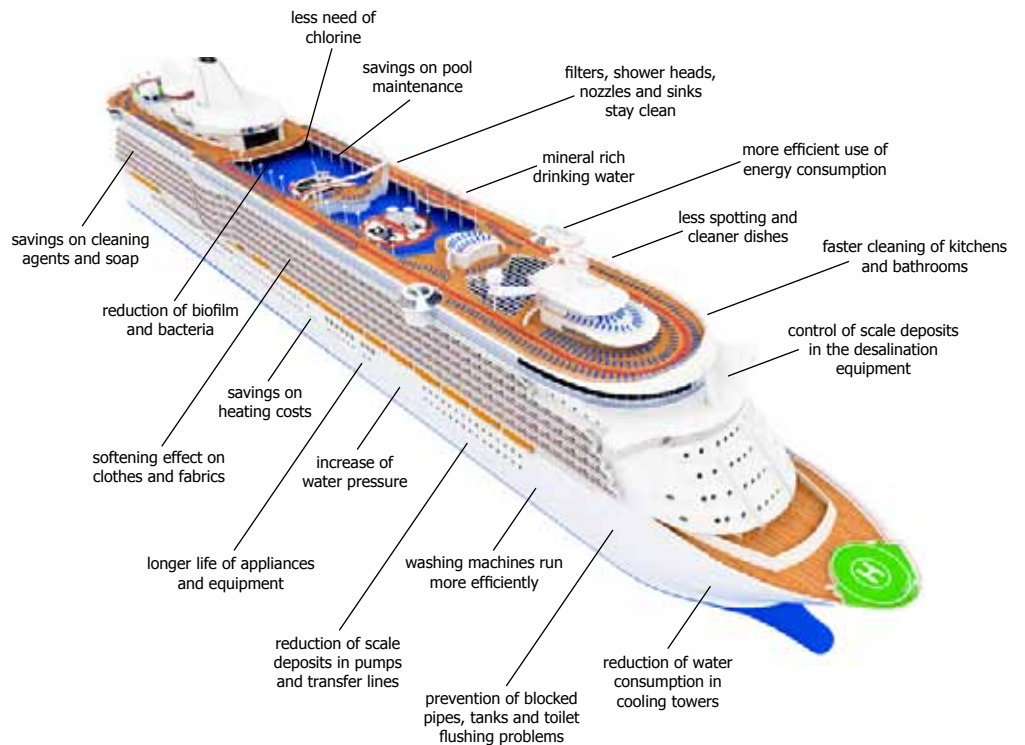
- ▶ Manufactured by Christiani Wassertechnik GmbH (CWT) Berlin
- ▶ Over 30 years experience in physical water treatment
- ▶ More than 150,000 satisfied customers world-wide
- ▶ Available in more than 40 countries



Against Scale and Rust

Vulcan helps:

- Piping systems
- Pumps and valves
- Condensers
- Heat exchangers
- Air conditioners
- Cooling towers and chillers
- Tanker equipment
- Engines
- Steam turbines
- Potable water
- Wastewater
- Ballast tanks
- Restaurants and kitchens
- Ship sporting facilities
- Swimming pools and spas
- Ship hospitals



Vulcan - Against Scale and Rust

Vulcan is the eco-friendly water treatment system which protects your pipes and equipment against scale and rust.

- ▶ Eco-friendly solution without chemicals or salt
- ▶ Reduction of existing scale in the piping system
- ▶ Maximum working life of machinery and equipment
- ▶ Important minerals remain in the water
- ▶ Long life – fully cast in acrylic
- ▶ Maintenance-free
- ▶ 10 year international warranty
- ▶ Easy installation without cutting the pipe
- ▶ From 1/2" up to 20" pipe diameter
- ▶ Works on all pipe materials – iron, copper, plastic, stainless steel, PVC, compound pipes, PE-X, etc.
- ▶ Vulcan operates on 24V DC and is suitable for connections with a 24V power plug and can also be directly connected to a 12V DC ship's power supply



Vulcan S25



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