

Harsonic® Product Range : different devices



Recreational Marine :

1. Harsonic® for BoatHull
2. Harsonic® for Propellers
3. Harsonic® for Gasoil tanks
4. Harsonic® for Watertanks



Professional Marine & Offshore :

1. Harsonic® for Hull
2. Harsonic® for Propellers
3. Harsonic® for Tanks
4. Harsonic® for Boxcoolers
5. Harsonic® for Pipelines



Industry :

1. Harsonic® for Cooling towers & Heat exchangers
2. Harsonic® for Industrial Tanks & Filters
3. Harsonic® for Industrial Pipelines



Agriculture & Aquaculture :

1. Harsonic® for Tubes
2. Harsonic® for Tanks



Open Waterstorage :

1. Harsonic® for Open Waterstorage (ponds, open tanks,..)
2. Harsonic for jacuzzi

distributor for Harsonic®



www.Harsonic.com - info@harsonic.com
Harteel bvba - Belgium

HARSONIC® AGRICULTURE Tubes & Tanks



FINALLY AN INVESTMENT THAT EARNS YOU MONEY!

SIGNIFICANT SAVINGS ON
MAINTENANCE COSTS & CHEMICAL PRODUCTS
& MEDICATION



HARSONIC® FOR TUBES

- PREVENTS BLOCKAGE OF PIPES, FILTERS & DRINKING NIPPLES
- COMBATS & PREVENTS DISEASES IN PLANTS & ANIMALS
- KEEPS MAINTENANCE & MEDICATION TO A MINIMUM
- REMOVES HARMFUL BIOFILM (the substrate for very many moulds and diseases)
- HEALTHIER PLANTS & ANIMALS MEANS INCREASED YIELDS



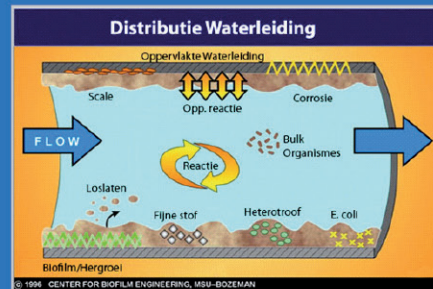
blocked pipe caused by biofilm



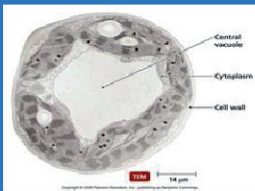
Biofilm occurs anywhere water accumulates. For professional breeders this biofilm can cause problems by clogging pipes, developing pathogen bacteria and influences medication which are given through the drinking water. Moreover biofilm can cause leaks at drinking nipples which causes wet stables.

This biofilm protects the present bacteria and can produce toxics which are harmful for the animals. The use of chemicals to clean the pipes, is not without risk, think about the harmful toxic residue for the animals as well as the possibility of resistance of the biofilm against chemicals. A biofilm can become up to 500 times more resistant to Chlorine.

“Salmonella” is capable to develop a biofilm under several circumstances, as well in biotic surfaces as in abiotic surfaces. In this biofilm, these bad bacteria are better protected against disinfections and antibiotics. Salmonella can be avoided by preventing the formation of this biofilm.



Harsonic® has developed a device, based on ultrasound, to prevent this biofilm successfully. Ultrasound is nothing more than inaudible sound which gives light vibrations. These vibrations are improved by the HS technology, which is developed by the engineers of Harsonic®, and avoid the formation of biofilm. By sending out at certain frequencies, the cell walls of the bacteria are ruptured and the bacteria die. Harsonic® also avoids the development of the enzyme used by bacteria to built up their cell wall.



Harsonic® can be used to take away the nutrient substrate of all kind of bacteria as well as to remove the adhesive layer of all kind of micro-organisms. This means all rust and scale will come off and the pipelines or high pressure barrel become like new. In comparison to other techniques, ultrasound does not cause corrosion of the pipes and there is no effect of any kind on the taste or odour of the drinking water.

With cattle breeders, the use of chemical products to disinfect the water-systems are under the “biocide” law and must be registered.



Furthermore, the installation is remarkably easy and the purchase of the Harsonic® device is a one-time cost without further additional maintenance.

The Harsonic® device cleans the entire pipe and/or reservoir and even eliminates scale deposition.

You will notice that after a while, your pipes will be more like new, leading to tremendous costs savings.

It has been scientifically proven that 1 mm of scale costs 5% to 7% more energy.



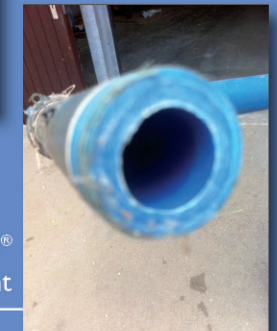
before Harsonic® treatment



after Harsonic® treatment



before Harsonic® treatment



after Harsonic® treatment

Stop paying for chemical products and install HARSONIC® for Tubes & Tanks just once!

