



Water solutions

Water solutions advises, checks and supports. Water solutions provides custom made water research for farms

Do you measure the water quality and with that the quality of the largest nutrient in your nutritional program?

Water solutions insists on professional sampling and certified research.

Do you know what the water quality is of your drinking installation?

Our specialist will give you professional advice and practical solutions.

Water solutions is unique in follow-ups.

Our advisor visits the companies that use the drinking water concept at least 2 times a year. During the visit, two checks will be done. First, the performance of the dosing unit, and second the microbial status of the drinking water.

Water solutions avoids unwelcome surprises

Water solutions works with a standardized concept for drinking water hygiene. By using Di-O-Clean and the available Digi Doser Di-O-5 or Digi Doser Di-O-10, you will get all preventive maintenance costs (including parts and labor-costs) and microbial water-research for free.

Water solution thinks together with you!

We are convinced of the quality we can offer you with our drinking water hygiene.

Water solutions invites you!

Apply for a free microbial water research and email to info@water-solutions.cn or contact one of our specialists.

Water Solutions is a division of the MS Schippers group

Schippers Export BV

Rond Deel 12 • 5531 AH Bladel • The Netherlands
Tel: +31 (0)497-339774 • Fax: +31 (0)497-339779
export@msschippers.com • www.msschippers.com



Di-O-Clean

Pure drinking water

Removes and prevents

- **Biofilm**
- **Iron and manganese scale**
- **Undesirable microbes in the drinking water**



Are you willing to take the risk?



Water the source of life!

Di-O-Clean makes transport of high quality drinking water possible in a farm.

Di-O-Clean is a product which consist of two components. It generates pure Chlorine Dioxide without any toxic by-products. The biggest threat for water is the accumulation of biofilm in the water-pipes. Limited water flow combined with high temperatures strongly stimulates the development of biofilm and pollutes the water in the farm.

Get rid of the biofilm!

Stage 1: Cleaning

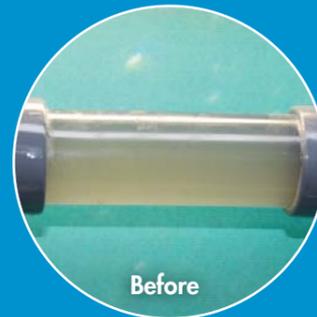
Di-O-Clean works thoroughly and removes all of the biofilm that is present, even iron and manganese scale. The cleaning period lasts about 3-6 weeks depending on the amount of bio-film inside the pipes. Di-O-Clean soaks off the dirt, oxidizes it in tiny parts and takes care of the germs. Cleaning is always possible, even when the animals are in the stable. You still have to maintain the water pipes on a regular base once the pipes are clean, in order to keep them clean.

Stage 2: Maintenance

Water pipes in the farm are all of the time exposed to pathogenic micro-organisms. Therefore, a continuous mix of water and Di-O-Clean is required to prevent the re-growth of biofilm. Di-O-Clean eliminates the micro-organisms en decreases the germs. If you maintain your water pipes well, less antibiotics will be needed to keep your animals healthy. The specialist from Schippers will formulate a farm specific plan based on your specific operations.

Di-O-Clean:

- Di-O-Clean is very effective. It works against all kind of bacteria's, viruses, E-coli's, moulds and yeasts. That is why this product is far more effective than any other Biocides in water.
- Di-O-Clean removes the present biofilm in the water pipes and prevents re-development of a new one.
- It removes Iron and Manganese scale in the pipes.
- Di-O-Clean is not corrosive and not dependable on the pH value. It will work when the water pH is between 2 and 10.
- You can use Di-O-Clean even when the water is sulphurous.
- This mixture is 260% more effective than a chlorine-based disinfectant
- Works immediately against micro-organisms.
- Di-O-Clean has no toxic by-products.
- Di-O-Clean has no influence on the taste of the water, this in contrast with for example chlorine.
- Di-O-Clean makes water a safe nutrient.



Before



After



Division of the MS Schippers group

Drinking water has to be sound and safe. This can be assured when using the special developed digital dioxide metering-unit.

The Di-O-Clean dosage depends on the cleaning stage. The dosages can change between 330 ml and 50 ml per 1000 liter water. A suitable schedule will be developed by our specialist.

Digi Doser Di-O-5

Technical information:

Max pressure: 5 bar
Max water flow: Type 5 = 5m³ per hour, when installed for 330 ppm
Max flow through: 10m³ per hour, when installed for a max of 165 ppm
Ambient Temperature: 5 to 45 °C

Digi Doser Di-O-10

Technical information:

Max pressure: 5 bar
Max water flow: Type 10D = 10m³ per hour, when installed for 550 ppm
Max flow through: 15m³ per hour, when installed for a max of 360 ppm
Ambient Temperature: 5 to 45 °C



For more information please contact: +31(0)497-339774