

Safe reuse of wastewater

– Enabling better, more sustainable operations

With our disinfection solution, you can safely reuse treated wastewater for processes both inside and outside the treatment plant. This preserves limited drinking water resources without exposing users to harmful bacteria that can cause illness. At the same time, it helps your plant operate more efficiently, as cleaning with disinfected water minimises biofilm in pipes and filters.

Safe and sustainable
because you can...

- reuse treated wastewater and conserve drinking water
- effectively remove harmful bacteria in wastewater
- reuse wastewater without risk to health
- be considerate of people and the environment with gentle disinfectant

Effective and economical
because you can also...

- minimise biofilm in pipes and filters
- reduce maintenance and time usage
- use less polymers in mixing due to increased efficiency
- benefit from a reliable and automated solution

Greater advantages

The advantages are even greater when we consider the possibility of supplying treated and disinfected wastewater for various applications beyond the treatment plant. This helps cities and industries conserve drinking water while becoming more sustainable and efficient.

DCW
Danish Clean Water

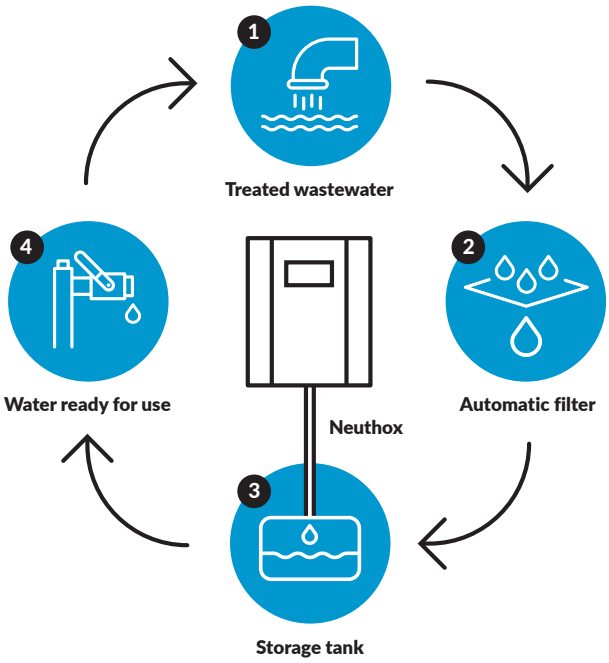
Many possibilities of use

How the solution works

Our disinfection generator makes safe reuse of wastewater a simple process. First, the treated wastewater passes through a water filter and into a storage tank. Then, a small amount of Neuthox® disinfectant is injected into the tank, making the technical water ready for use in processes where drinking water quality is not needed.

The disinfectant is produced on-site by the generator using only salt, water, and electricity. It eliminates harmful bacteria such as Legionella, Salmonella, and E. coli in the wastewater and minimises biofilm in pipes and systems.

The active ingredient in the disinfectant is hypochlorous acid (HOCl), which is highly effective while remaining gentle on people and the environment in the low concentrations needed.



At the wastewater treatment plant, treated wastewater can be reused for:

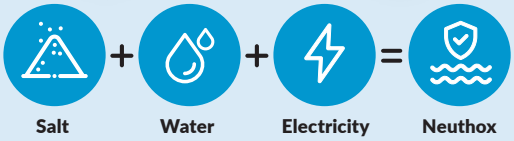
- rough cleaning
- flushing surfaces, pipes, and filters
- automatic cleaning of machines such as inlet grates and dewaters
- mixing of substances, e.g., polymers, in the drainage
- dilution of water/rinse water in piping systems

Additionally, treated and disinfected wastewater is ideal for sludge vacuum trucks in the area. Looking ahead, it can also be used for water-intensive tasks and industries nearby, such as firefighting, data centre cooling, manufacturing, and Power-to-X projects.

Scalable solution for different needs

The large DCW generator can disinfect 30,000–125,000 m³ of treated wastewater per year. Smaller models are also available.





DCW
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Use Neuthox safely. Always read the product information before use.
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