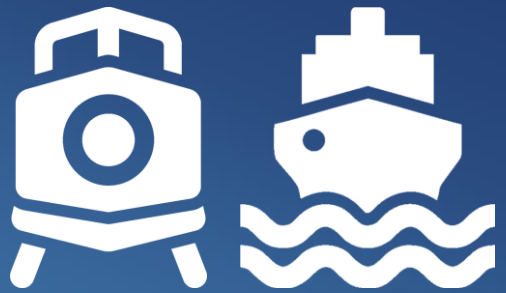
SANOSIL
DISINFECTANTS FOR LIFE



Application of
Sanosil Super 25
for disinfection of water tanks in trains / ships

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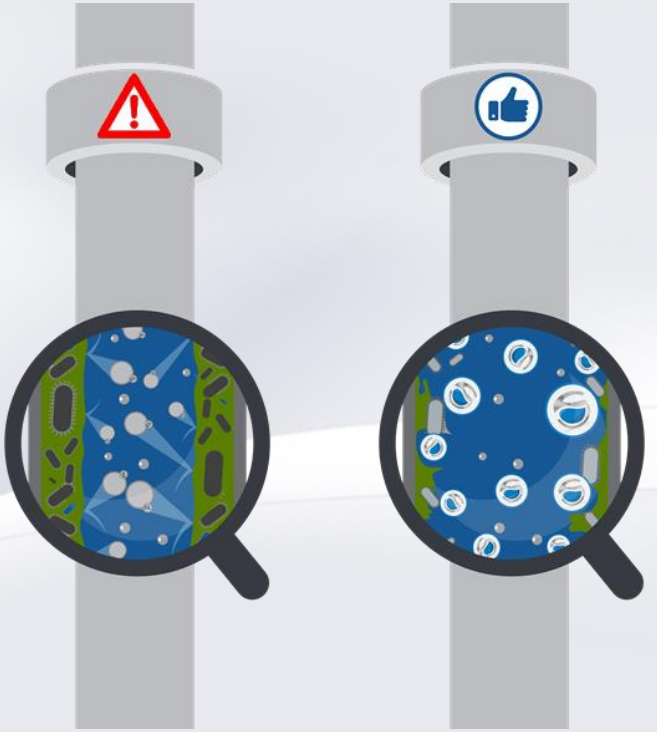
Microbiological risks in water systems

Biofilms quickly form on the surface in water tanks of ships, trains and mobile homes, etc.

Microorganisms may multiply in these biofilm layers and contaminate the water.

Biofilm layers ensure excellent protection against environmental factors and disinfectants, such as chlorine.

Biofilms and VBNC bacteria in tanks



Disinfection with chlorine

Disinfection with Sanosil

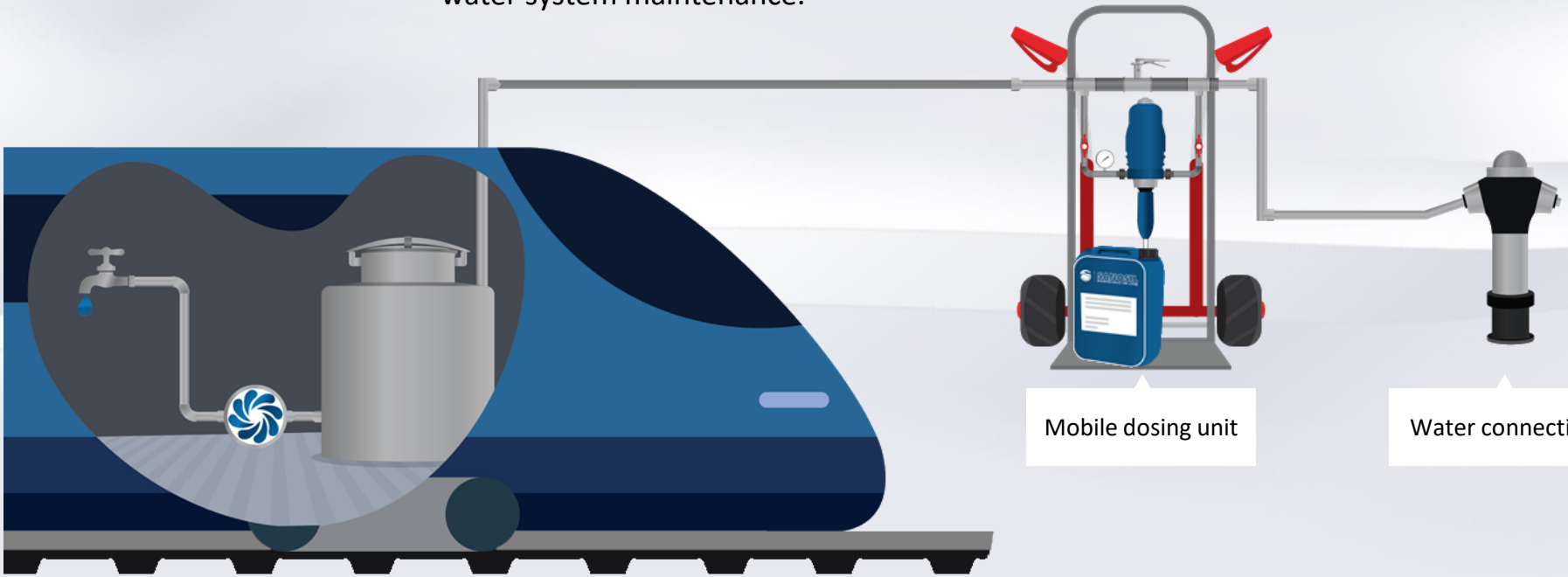
In case of extensive biofilm growth, disinfection with chlorine is practically useless, since the biofilms are not effectively removed.

In addition, the bacteria are often in a "VBNC" state. (**V**iable **B**ut **N**ot **C**ulturable). This skews performance controls and offers a false sense of security.

In contrast, Sanosil can effectively eliminate both biofilms and VBNC germs.

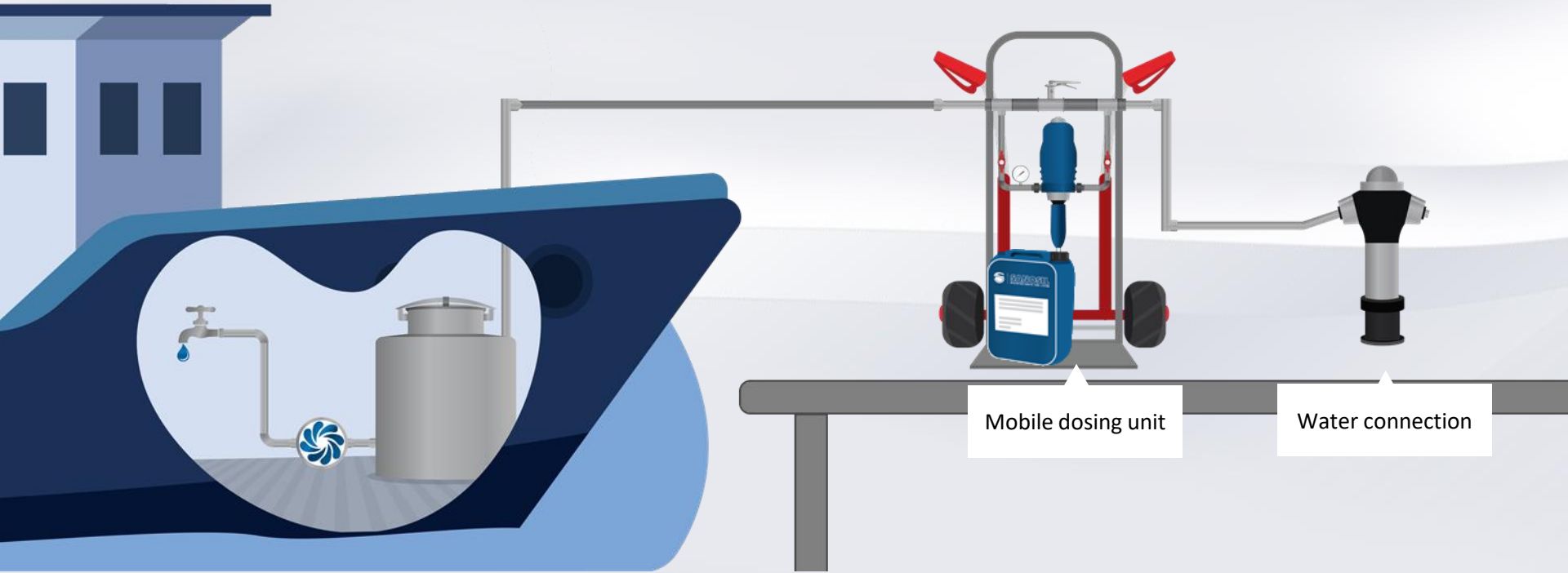
Shock disinfection: Method 1 with mobile dosing unit

Diagram for tank disinfection during water system maintenance.



Shock disinfection: Method 1 with mobile dosing unit

Diagram for tank disinfection during water system maintenance.

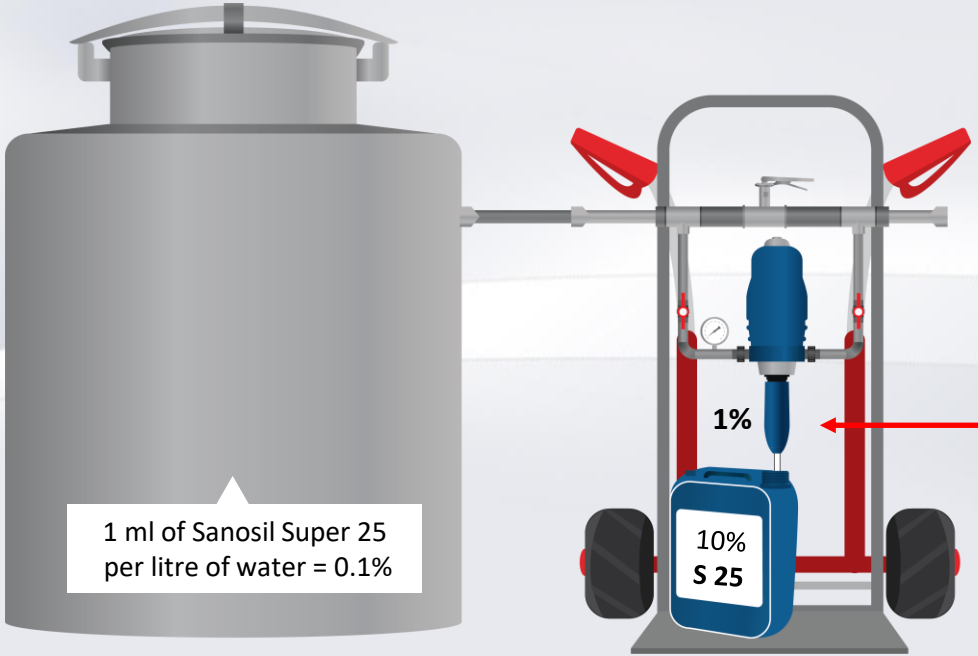


Shock disinfection: Method 1 with mobile dosing unit

Mix a pre-solution containing 10% Sanosil Super 25

1 litre of Super 25

9 litre of water



1 ml of Sanosil Super 25 per litre of water = 0.1%

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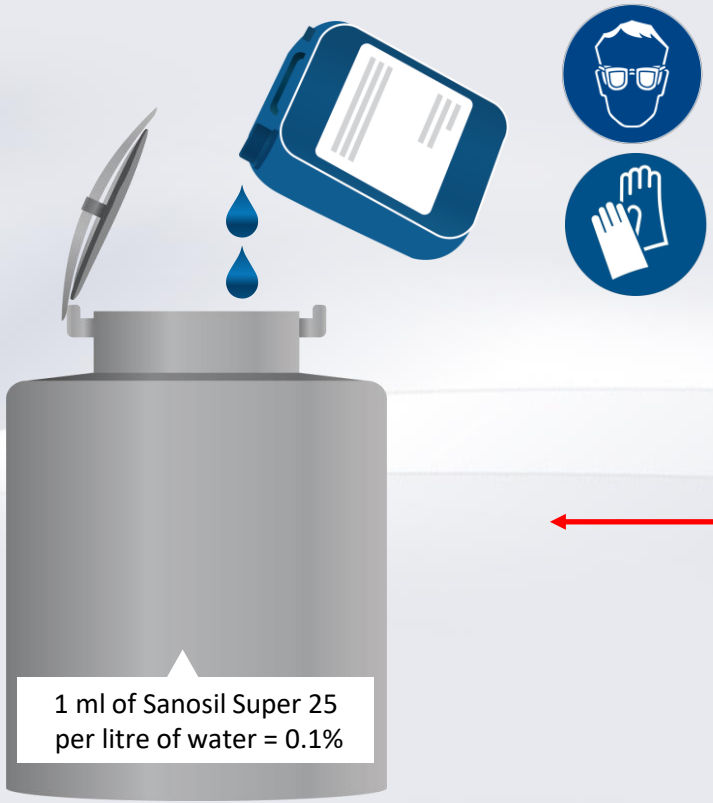
For proportional dosing units with a dosing range of 0.2–2%:
Mix a pre-solution containing 10% Sanosil Super 25 and set the unit to 1%

(Solution: shelf life max. 3 days)

Shock disinfection: Method 2 - direct



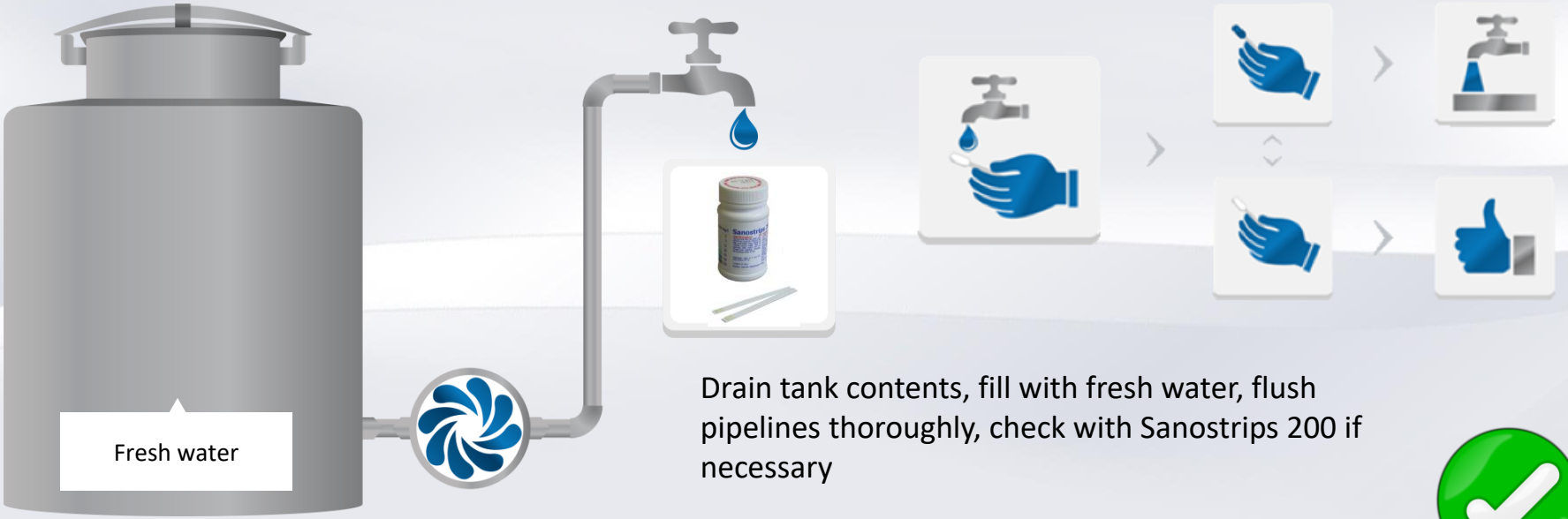
Add the disinfectant directly to the (virtually empty) water tank. Top up with fresh water to mix the tank contents.

Shock disinfection: Fill the pipelines

1. Fill the tank and pipelines with disinfectant solution (1ml of Sanosil Super 25 per litre of water), check with Sanostrips 200 if necessary

2. Allow to work for > 4 hours

Shock disinfection: Flush the pipelines



Drain tank contents, fill with fresh water, flush pipelines thoroughly, check with Sanostrips 200 if necessary

<u>The tank and lines are now safe and hygienic.</u>

Treatment for very large tanks:

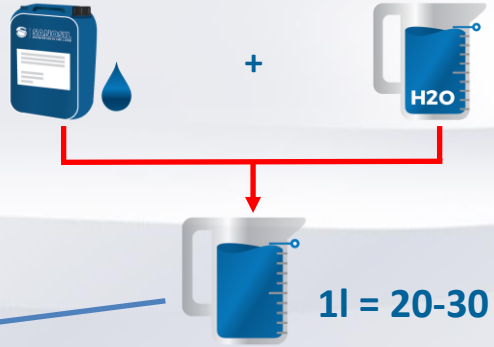
1. Wash and flush the tank thoroughly with a high-pressure cleaner / water

2. Spray the tank with the disinfectant solution. Let dry, do not flush

Mix a 3% solution *

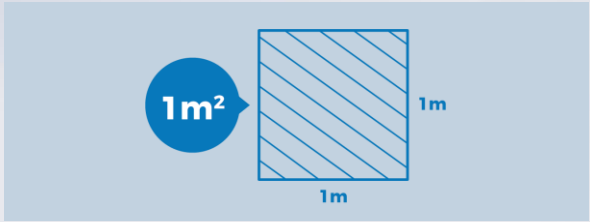
3 ml of Super 25

970 ml of water



1l = 20-30 m²

Maximum shelf life of the solution: 3 days



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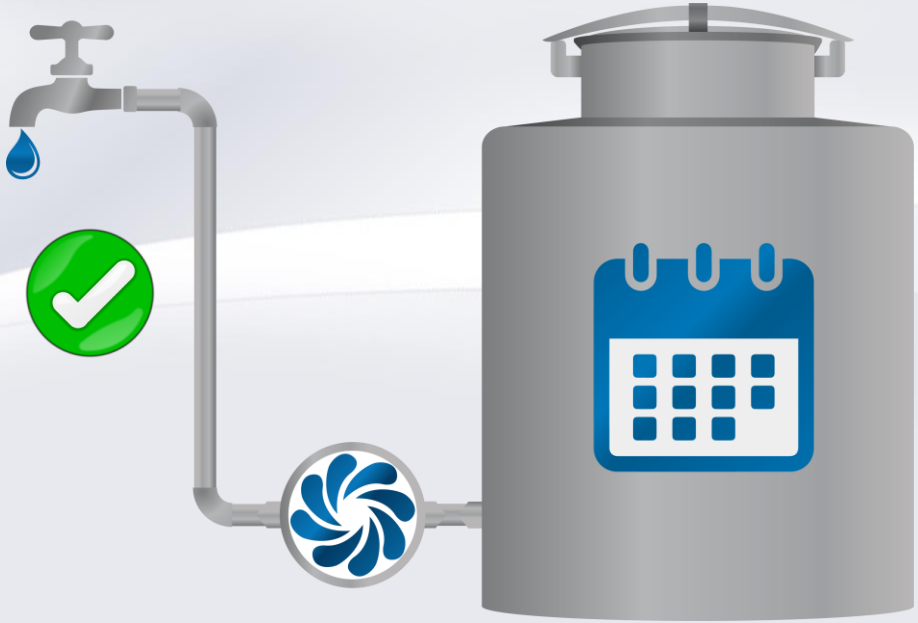
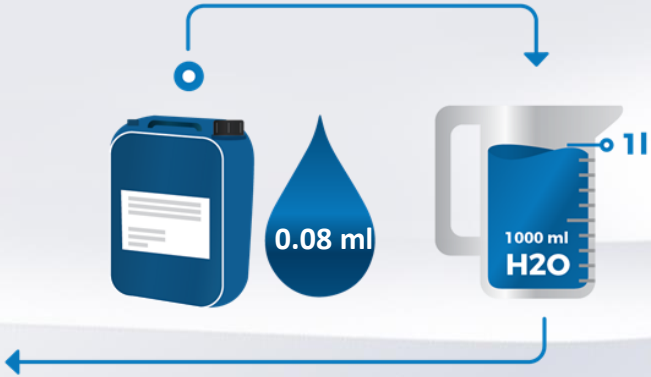
Preserving water:

Adding Sanosil Super 25 preserves the water in the tanks and keeps it fresh.

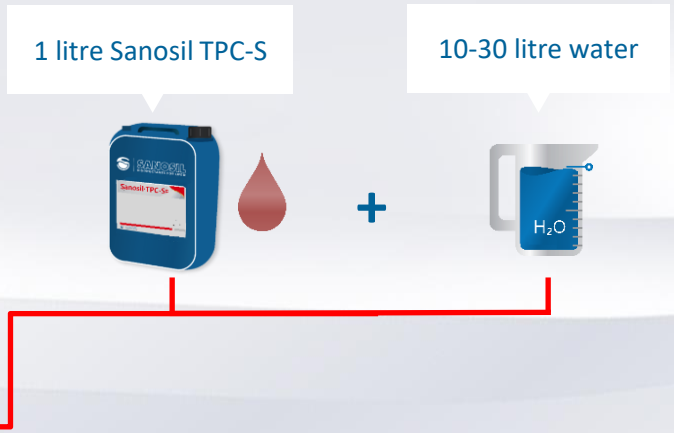




A dose of 0.08 ml of Sanosil Super 25 per litre of water keeps the tank contents clean and free of germs for up to 4 weeks *

* With the tank cap closed / without external contamination

Appendix: System Descaling with Sanosil TPC-S



Direct addition of the descaling agent into the (almost empty) water tank. Fill up with fresh water to mix the tank contents.

Appendix: System Descaling with Sanosil TPC-S

Descaling solution:
3-10% TPC-S

Distribute TPC-S descaling solution throughout the water system. When all lines are filled, switch off feed pump. Allow to act for 30-120 minutes. Then rinse thoroughly.

Drinking water