

Multipipe Pipe System & Chemical Disinfection.

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Disinfection of a tap water systems in some cases may be necessary (bacterial contamination) but it should not be a sustainable solution. Disinfection of a system is normally only needed when a system has been contaminated beyond the use of thermal disinfection. This is normally down to bad planning, installation and/or operation failures. It is essential to identify any issue/issues in the system and resolve them (e.g. Stagnation problems, unused pipes or temperature issues) before commencing disinfection. Otherwise recurrence will happen in the system.

We can confirm that the Multipipe MLC system can be used for chemical disinfection in accordance with the standards BSEN 806 part 4 and the DVGW work sheet W 290 / W 291 and W 557 (final draft).

We recommend the following chemical disinfection materials:

- hydrogen peroxide H₂O₂ according DIN EN 12671
- sodium hypochlorite NaOCl according DIN EN 902
- chlorine dioxide ClO₂ according DIN EN 901

For the concentrations and using time we recommend to follow the instruction of the "DVGW worksheet W 557" table 3.

- hydrogen peroxide: H₂O₂ 150 mg H₂O₂/l for 24h
- sodium hypochlorite: 50 mg Cl/l for 12 h
- chlorine dioxide 6 mg ClO₂/l for 12h

Please keep in mind that every chemical disinfection can put undue stress on the materials and appliances of a tap water system and can cause damage. This is why you should only use chemical disinfection as a last resort and not on a regular basis's

It is recommended this operation is performed by a specialist company.



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