

# MAINTENANCE

## Algae and bacterial growth control



### WARNING

**Sodium hypochlorite (NaClO) and hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) are dangerous toxic and corrosive chemicals. All application regulations and safety rules must be observed. Store and handle them according to safety regulations.**

Before handling **sodium hypochlorite (NaClO)** or **hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>)**, carefully read all the specific safety, health protection and first aid information and instructions. **Be sure you have all required first aid at the site, as instructed.**

Concentrated liquid sodium hypochlorite (NaClO) or hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) can damage exposed metal (especially threads that are exposed to water). Be careful when applying them and avoid the spillage of any of the liquid onto exposed metal parts. Should any of the liquid come into contact with metal parts, immediately wash thoroughly with fresh water.

1. Perform 1 or 2 manual backwashes of the system (as needed), using the manual option in the controller.
2. Release the pressure from the filtration system. Open any valve downstream from the filtration system or the manual valve (if installed) on the outlet manifold end-cap, until the pressure is fully released. Check the pressure gauge to be sure it is at 0 before proceeding. Do not drain the system.
3. Open the top service ports of all the tanks.
4. Make sure that the tanks remain two-thirds full with water. This is essential for the success of the chemical treatment.
5. Pour the required quantity of sodium hypochlorite (NaClO) or hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) into each tank according to the table below.

Tank diameter (inch)	Quantity of sodium hypochlorite (NaClO) (liter)		Quantity of hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> ) (liter)
	Domestic liquid 3% concentration	Technical liquid 10% concentration	Technical liquid 30% concentration
12	0.7	0.25	0.15
16	0.8	0.3	0.15
20	1.1	0.4	0.2
24	1.5	0.5	0.2
30	3.0	1.0	0.3
36	5.0	1.5	0.5
48	10.0	3.0	1.5

6. Gently stir the media inside each tank with a wooden stick.



### WARNING

Take care not to damage the tank under-drain diffuser/s ("flutes" or "mushrooms").

7. Wait at least 3 hours for the chemical contact time.
8. Close the top service ports of all the tanks.
9. Pressurize the system.
10. Perform 1 or 2 manual backwashes of the system (as needed), using the manual option in the controller.

For further assistance, contact your local Netafim™ representative.