

The next generation of water treatment

Abulox is a stable active halogen solution. As well as rapidly killing all bacteria, viruses, fungi and spores, Abulox is highly effective in breaking down the bio-films which harbour these pathogens. It is ideal for use in water hygiene and pipework treatment applications, where it quickly eradicates Legionella, Pseudomonas and other microbes.

Abulox sets completely new standards in Legionella control

Abulox offers many advantages over existing water treatment technologies:

	Abulox	Super Heating & Flushing	Auto-chlorinating Inhibitor System	Chlorine Dioxide	Copper-ilver Ionisation System	Ultraviolet
Used on domestic cold water systems	✓	✗	✓	✓	✗	✓
Used on domestic hot water systems	✓	✓	✓	✓	✓	✓
Low Hazard	✓	✗	✗	✗	✓	✓
Taste/odourless	✓	✓	✗	✓	✓	✓
Compatible with equipment & systems	✓	✗	✗	✓	✓	✓
Breaks down Bio-film (at nominal operating conditions)	✓	✗	✗	✓	ppm dependant	✗
Inhibits Bio-film (at nominal operating conditions)	✓	✗	minimal	✓	ppm dependant	✗
Residual effectiveness against Legionella	✓	✗	✓	✓	✓	✗
Simple to monitor	✓	✓	✓	✗	✗	✗
Simple dosing equipment	✓	N/A	✓	✗	✗	✗
Single pack dosing	✓	N/A	✓	✗	N/A	N/A

The information provided in this table is based on chemical treatments used in the manufacturers recommended dose rates
abulox offers a number of benefits over Chlorine Dioxide

ClO2	Abulox
Generators that require regular maintenance	No generator required
Requires supply and dosing of two chemicals	Only one chemical required
Danger of chlorite overdose	No danger of chlorite overdose
Pre stabilised ClO2 has a limited shelf life	Significantly longer shelf life
Low level of ClO2 can be present in solutions	High strength solution
High chemical consumption	Half the chemical consumption of ClO2
Stabilised ClO2 only available in small packs	Available in 25 litre - 1000 litre packs
Less sophisticated control and monitoring	DPD or highly sophisticated electronic control and monitoring



Key benefits of Abulox

- High levels of microbial control and rapid biofilm removal at low volume concentrations
- Easy application via single dose system
- Simple DPD or electronic measurement
- Low hazard classification
- Good safety and environmental profile
- Wide range of regulatory approvals
- Excellent in use compatibility
- Long shelf life
- Cost effective
- Available in 25L, 200L, 1,000L IBC's



Case Study:

Multi-national food and drink manufacturer



For two years, one of the UK's leading multi-national food and drink manufacturers had suffered alarmingly high levels of Legionella, TVC and Pseudomonas in their hot water system. This system fed both their office block and factory amenities and used more than 12 cubic metres of water per day. None of the established water treatment chemicals proved to be effective.

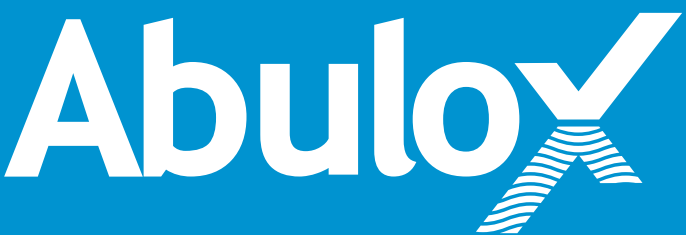
Abulox was shock dosed for an initial period of 24 hours and then decreased to a maintenance value of less than 1ppm. This treatment proved completely successful: Abulox quickly achieved the total eradication of all pathogens and delivered non-detectable readings at all system outlets.

Abulox delivers an optimum combination of safety and efficacy

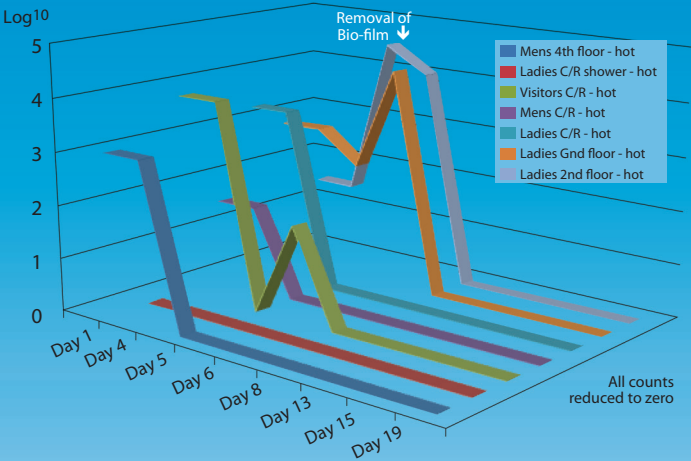
Abulox is one of a range of stable active halogen solutions available from Supra Perfecta Technologies. Abulox complies with EC Biocidal Products Directive (BPD) (98/8/EC) for use in both drinking water and process water and has DWI approval.



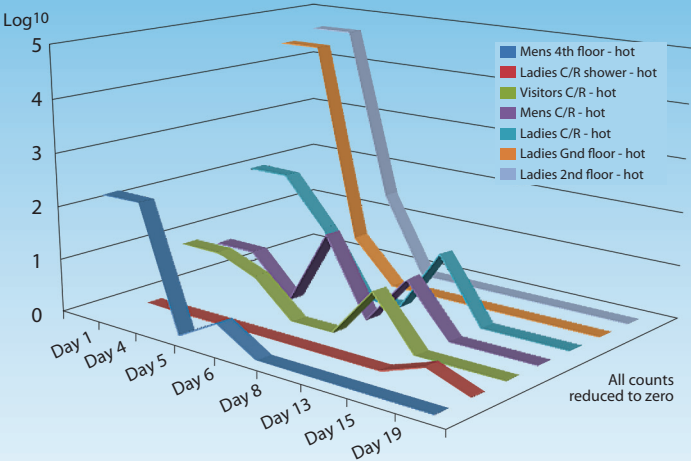
SUPRA PERFECTA TECHNOLOGIES LIMITED



Legionella results



TVC results



Pseudomonas results

