



B & V  
Chemicals

# Introducing ULTRALOX®

- Regulatory compliant and approved Active Chlorine alternative
  - Highly effective against bacteria and water-borne pathogens
    - Fully Article 95 compliant
- Biocidal Product regulation approved for portable and process water
  - Drinking Water Inspectorate approved
  - WRAS (Water Regulations Advisory Scheme) approved
    - NHS approved

Feature / Application	Ultralox 40	Super Heating and Flushing	Auto-Chlorinating / Inhibitor System	Chlorine Dioxide	Copper-Silver Ionisation System	Ultraviolet
Used on domestic cold-water systems	✓	X	✓	✓	X	✓
Used on domestic hot-water systems	✓	✓	✓	✓	✓	✓
Low hazard	✓	X	X	X	✓	✓
Compatible with equipment and systems	✓	X	X	✓	✓	✓
Breaks down biofilm (at nominal operating conditions)	✓	X	X	✓	Ppm dependent	X
Inhibits biofilm (at nominal operating conditions)	✓	X	✓	✓	Ppm dependent	X
Residual effectiveness against Legionella	✓	X	Minimal	✓	✓	X
Simple to monitor	✓	✓	✓	X	X	X
Simple dosing equipment	✓	N/A	✓	X	X	X
Single package dosing	✓	N/A	✓	X	N/A	N/A

## ULTRALOX® compared with conventional Chlorine Dioxide

CLO <sub>2</sub>	Ultralox 40
Generators require 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 CLO <sub>2</sub> has a limited shelf life	Significantly longer shelf life
Low level of CLO <sub>2</sub> can be present in solutions	High strength solution
High chemical consumption	Half the chemical consumption of CLO <sub>2</sub>
Stabilised CLO <sub>2</sub> only available in small packs	Available in 25-100 litre packs
Less CLO <sub>2</sub> control and monitoring	DPD or highly sophisticated electronic control and monitoring

Shock-dosed for 24 hours before maintenance 0.5ppm-1ppm in a Food & Beverage manufacturing site.

## Benefits

Particularly efficacious fast-acting biocide exclusively manufactured in the UK. Useful for sites / areas with c<20m<sup>3</sup> per day water consumption and in situations displaying:

- New builds (eg school / hospital) with poorly designed systems / pipework
- Critical applications – care homes, hotels, schools etc
- Low pressure systems susceptible to biofilms
- Sites with repeated secondary disinfection needs
- Sites with Chlorine Dioxide generators
- Repeated flushing requirements
- High counts of Mycobacterium, TVC, Pseudomonas

Dose into incoming mains, break tank or via fixed or mobile control system. ULTRALOX® is available in 25L, 200L and 1,000L. Colourless.

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