

# CORE Water Treatment Chemicals



	Inhibitor	Cleaner	Leave-In Cleaner	Heavy Duty Cleaner	Biocide	Glycol Antifreeze
<b>CORE</b>	5L: COREINHIB5L 10L: COREINHIB10L 20L: COREINHIB20L 1000L: COREINHIB1000L  <i>Dosage: 0.4%</i>	10L: CORESYSCLEANER10L  <i>Dosage: 0.5%</i>	10L: CORECLEANER10L 20L: CORECLEANER20L  <i>Dosage: 0.4%</i>	10L: COREHDCLEANER10L  <i>Dosage: 0.5%</i>	10L: COREDUALBIOCIDE10L 20L: COREDUALBIOCIDE20L  <i>Dosage: 0.4%</i>	20L: COREGLYCOL20L  <i>Dosage: 25-40% depending on temp</i>
<b>ADEY</b>	MC1+ 5L: CH1-03-01723 10L: CH1-03-01724 25L: CH1-03-02806 1000L: CH2-03-02087  <i>Dosage: 0.4%</i>	MC3+ 10L: CH1-03-01726  <i>Dosage: 0.5%</i>	MC35 10L: CH1-03-05608 20L: CH1-03-05609  <i>Dosage: 0.4%</i>	MC5 10L: CP1-03-0101  <i>Dosage: 0.5%</i>	MC10+ 10L: CH1-03-03284 25L: CH1-03-03395  <i>Dosage: 0.4%</i>	MCZero 25L: CH1-03-02808  <i>Dosage: 25-40% depending on temp</i>
<b>FERNOX</b>	10L F1: 62554 20L FC1: 62223  <i>Dosage: F1 = 0.5% FC1 = 1%</i>	10L F3: 56600 20L FC3: 62224  <i>Dosage: F1 = 0.5% FC1 = 1%</i>	N/A	F5 1L: 56608 No commercial size  <i>Dosage: 1%</i>	F7 200ml: 62393 No commercial size  <i>Dosage: 1%</i>	Alphi-11 5L: 61033 25L: 23980 No commercial size  <i>Dosage rate dependent on antifreeze levels required</i>
<b>SENTINEL</b>	X100 20L: X100I-12L-DRUM  <i>Dosage: 1%</i>	X400 10L: X100I-12L-DRUM 20L: X100I-12L-DRUM  <i>Dosage: 1%</i>	N/A	X800 10L: X400-10L-DRUM 20L: X400-20L-DRUM  <i>Dosage: 1%</i>	X700 Biocide Protect 1L: X700-12X1L-GB R700 Sanitiser and Biocide 1L: R700L-12X1L-GB  <i>Dosage: 0.3%</i>	X500 5L: X500L-4X5L-GB 20L: X500L-20L-DRUM  <i>Dosage: 20-40% depending on temp</i>
<b>VE XO</b>	X-PO10 5L: VX-XPO10-5LTR 10L: VX-XPO10-10LTR  <i>Dosage: 0.36%</i>	X-PO45 10L: VX-XPO45-10LTR  <i>Dosage: 0.36%</i>	N/A	X-PO40 10L: VX-XPO40-10LTR  <i>Dosage: 0.36%</i>	X-PO80 10L: VX-XPO80-5LTR  <i>Dosage: 0.36%</i>	X-PO50 ready mix up to -12°C 20L: VX-XPO50-20LTR X-PO55 concentrate 20L: VX-XPO55-20LTR  <i>Dosage: vlv determined onsite</i>



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# Product Information

## Dosage Calculator - advice for all chemicals (except Glycol)

1. Take the combined kW output of the Boilers/Chillers.
2. **For a heating system** - multiply the kW output by 12 to give an estimated system volume in litres, then divide by 250  
*e.g. for a 500kW heating system: Multiply 500 x 12 = 6,000 litres ÷ 250 = 24. Therefore, add 24 litres of CORE chemicals.*
3. **For a chilled/cooling system** - multiply the kW output by 15 to give an estimated system volume in litres, then divide by 250.  
*e.g. for a 250kW chilled system: Multiply 250 x 15 = 3,750 litres ÷ 250 = 15. Therefore, add 15 litres of CORE chemicals.*

### Glycol Antifreeze

The concentration of CORE Glycol Anti-Freeze can be adjusted for lower levels of freeze protection, reducing the freezing point of water in direct proportion to its concentration within the system:

- 25% concentration provides protection down to -11°C  
*e.g., 2.5L of Glycol Anti-Freeze for every 10L of system water*
- 30% concentration provides protection down to -14°C
- 35% concentration provides protection down to -17°C
- 40% concentration provides protection down to -22°C

Please note: Minimum dose for full corrosion protection is 25% concentration



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