

Kamco

Water Testing & System Protection

Why test system water? >

TESTING INSTRUCTIONS

- **Take a sample of system water**
Collect a small amount of system water, preferably from a test point.
- **Dip the slide**
Dip a test strip into the system water sample.
- **Select molybdate level table**
Select the molybdate level table for the Kamco chemical in use.
- **Check result**
Match the slide colour against the molybdate level table. The table will indicate whether a top-up is required.

MOLYBDATE LEVEL TABLES

Select the table for the Kamco chemical you are using



TEST FOR



KS1 PROTECTOR
500ml

GO TO TABLE



TEST FOR



SystemSafe
HTF Concentrate

GO TO TABLE



TEST FOR



SystemSafe
Inhibited Antifreeze

GO TO TABLE



KS1 PROTECTOR

500ml

Molybdate

level ppm

| | | |
|-------------------------|--|-----|
| | | 350 |
| | | 300 |
| | | 250 |
| | | 200 |
| | | 150 |
| 1.0% v/v for ASW | | 100 |
| 0.5% v/v | | 50 |
| TOP UP | | 25 |
| TOP UP | | 0 |

| | | |
|--|--|-----|
| | | 350 |
| | | 300 |
| | | 250 |
| | | 200 |
| | | 150 |
| | | 100 |
| | | 50 |
| | | 25 |
| | | 0 |

SystemSafe

HTF Concentrate

Molybdate

level ppm

| | | |
|------------------|--|-----|
| 33% -16°C | | 350 |
| 25% -11°C | | 300 |
| 20% -9°C | | 250 |
| | | 200 |
| | | 150 |
| 10% -4°C | | 100 |
| TOP UP | | 50 |
| TOP UP | | 25 |
| TOP UP | | 0 |

| | | |
|--|--|-----|
| | | 350 |
| | | 300 |
| | | 250 |
| | | 200 |
| | | 150 |
| | | 100 |
| | | 50 |
| | | 25 |
| | | 0 |

SystemSafe

Inhibited Antifreeze

Molybdate

level ppm

| | | |
|------------------|--|-----|
| | | 350 |
| | | 300 |
| 50% -32°C | | 250 |
| 40% -22°C | | 200 |
| 33% -16°C | | 150 |
| 25% -11°C | | 100 |
| TOP UP | | 50 |
| TOP UP | | 25 |
| TOP UP | | 0 |

| | | |
|--|--|-----|
| | | 350 |
| | | 300 |
| | | 250 |
| | | 200 |
| | | 150 |
| | | 100 |
| | | 50 |
| | | 25 |
| | | 0 |

Why Test System Water?

Regular testing of heating and cooling system water is essential for efficiency and reliability. Untreated system water can cause:

Corrosion in pipework & equipment.
Scale build-up that reduces performance.
Sludge deposits leading to blockages and costly repairs.

By testing regularly, you can prevent problems before they start and keep all heating and cooling systems running smoothly.

Testing in line with (BS7593:2019 +A1:2024 & BS9593:2024) where inhibitor dosing and regular testing are set out under best practice for system protection. Testing after commissioning and annually thereafter throughout the life of the system.

Part L (Building Regulations) ask for compliance to (BS 7593:2019 +A1:2024 & BS 9593:2024) standards when installing or maintaining boilers & systems.

Re-dose at five-yearly intervals to mitigate against potential chemical degradation.

SystemSafe KS1 Protector In Action

SystemSafe KS1 Protector is specially formulated to give long-lasting protection against corrosion and scale.

- KS1 contains **molybdate**, a reliable marker and a fantastic inhibitor for mild steel. Molybdate ions form a protective layer on metal surfaces.
- Easy to check using the colour reference table.
- Simple top-up guidance ensures the right concentration.

When levels are maintained correctly, systems remain efficient and cost-effective, equipment enjoys a longer service life and users have peace of mind that protection is in place.

www.kamco.co.uk