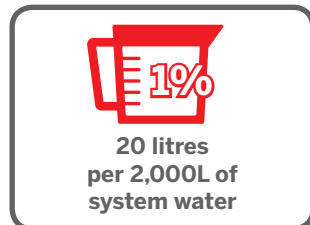


Sentinel X800 Fast Acting Cleaner

Rapid cleaner for commercial heating and closed cooling systems

To quickly remove corrosion deposits and scale, older systems should be cleaned with Sentinel X800 Fast Acting Cleaner to fully restore system efficiency. Ideal for situations that require immediate, unplanned cleaning prior to a new boiler or chiller installation.

- **Unrivalled chemical technology**
Short circulation times meaning less time spent on site.
- **Works in cold systems**
Suits distressed systems where no heat is available.
- **Targeted dissolution of corrosion debris**
Restores system circulation, reducing future breakdowns and increasing system life.
- **Non toxic and biodegradable**
No neutralisation required. Safe to discharge washings to drain.



* Larger commercial systems may take longer than this time quoted

The Sentinel System

Lifetime protection for heating and hot water systems using the best practice process of...



CLEAN WITH APPROPRIATE CLEANER



PROTECT WITH X100 INHIBITOR



MAINTAIN WITH TEST KIT

Application

Sentinel X800 is a powerful, highly active cleaning agent for use in commercial heating and closed cooling systems. During conventional circulation cleaning it will remove iron oxide and calcium based deposits from heat exchangers, radiators and pipe work; even in cold systems. Its unique composition allows Sentinel X800 to act as a penetrating dispersant under neutral pH conditions, eliminating the need to clean with conventional acids and the problems associated with them. The formulation also contains agents to help protect metal from corrosion. Sentinel X800 is suitable for use with all commonly encountered metals and alloys including aluminium.

Dosing

Sentinel X800 should normally be dosed at 1% of system volume, i.e. 1 litre per 100 litres of system water. Where systems are severely fouled, a higher concentration might be required (up to 10% concentration). The circulation pump of the system can be used to circulate the X800 solution; however equipment which provides a more rapid circulation can produce a more effective clean. When using an external cleaning rig the product can be dosed directly to the buffer tank of the rig (follow equipment manufacturer's instructions). Sentinel X800 should be circulated, preferably at normal operating temperature, with all valves open and the pump turned to maximum flow for a minimum period of 1 hour or until satisfactory performance is restored.

Where systems are badly fouled, a longer period of circulation (up to 24 hours) is recommended, but the product will not clear a completely blocked pipe. There is no limit to the time for which the product can safely be left in the system. After cleaning, the system should be drained and flushed until the water runs clear. On refilling, the system should be treated with Sentinel X100 Inhibitor, or Sentinel X500 Inhibited Antifreeze.

Open heating systems:

Feed the product into an area of adequate flow or use a by-pass feeder.

Closed heating and cooling systems : If the system is empty, add the product to any convenient point before filling. If the system is full, use a pressure dosing vessel to inject the product into the system.

Physical properties

Appearance :	Clear, yellow or amber solution
Odour :	Mild
Specific gravity :	1.06 (25°C)
pH (concentrate) :	6.3 (approx)
Freezing point :	-8°C

Safety precautions

The information provided below enables compliance with the Control of Substances Hazardous to Health Regulations. A full Safety Data Sheet is available upon request.

Description	Fast Acting Cleaner for commercial heating and closed cooling systems An aqueous solution of cleaning agents and corrosion inhibitors.	
Health hazards	Not for use in potable water systems. Not considered hazardous to health.	
Handling	Normal chemical handling. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection. Keep out of reach of children and animals. Wash out empty container thoroughly with water before disposal.	
Storage	Avoid freezing. Keep container tightly closed. Store in cool, well ventilated area.	
Spillage	Absorb on to inert material and dispose of according to Special Waste Regulations.	
Fire/explosion risks	Non- flammable	
First aid	Skin Exposure:	Remove all contaminated clothing. Wash exposed area immediately with water.
	Eye Exposure:	Flush immediately with plenty of running water for 15 minutes. Seek medical advice.
	Ingestion:	Do not feed anything by mouth to an unconscious or convulsive victim. Do NOT induce vomiting! If victim is fully conscious dilute contents of stomach using 3-4 glasses of water. Seek medical advice.

We're proud to be endorsed by the industry's major international manufacturing companies:



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