

Sentinel X900 Filter Aid

Enhances the Performance of Heating System Filters

Features & Benefits

- Frees and lifts hidden debris
- Increases capture of circulating solids by filter
- Suitable for use with all filter types
- Stays in system to prevent sludge build up
- Compatible with corrosion and scale inhibitor additives
- Helps restore and maintain system efficiency and effectiveness
- Suitable for all metals including aluminium
- Easy to dose
- Manufactured under a quality system conforming to ISO9001

Application

It is increasingly common practice to fit an in-line filter on a central heating system to remove circulating debris and prevent the accumulation of sludge and deposits. These are usually black iron oxides, water hardness scales, casting sand, welding debris, non-ferrous metal flakes, paint particles and other undesirable material. If allowed to circulate in the system water, this debris can cause wear and premature failure of pumps and valves or can settle causing blockages and upsetting the balance of the system, resulting in loss of boiler efficiency and system effectiveness.

However, the layout of most systems ensures that much deposit settles out of circulation in the less turbulent parts of the circuit and cannot be captured by the filter. This settled material upsets the hydrodynamic balance, reduces boiler efficiency and provokes under-deposit corrosion. Sentinel X900 Filter Aid has been formulated to be able to penetrate, free and lift such debris into circulation where it can be successfully captured by the in-line filter.

Sentinel X900 Filter Aid can be used with all types of in-line filter and in all types of indirect heating systems including those containing aluminium components.

Adding to the System

500mls of Sentinel X900 Filter Aid is sufficient for a typical domestic system of 8 to 10 radiator panels. Add directly to the filter pot as follows;

- Turn off the heating system.

- Isolate the filter from the circuit by closing the isolation valves either side of the unit.
- Drain and dismantle the filter and clean it according to the manufacturer's instructions.
- Before reassembling the filter, add 1 bottle of X900 Filter Aid to the filter collection pot, reassemble the filter and then open both isolation valves, ensuring no leaks.

If the capacity of the filter pot is less than 500mls, or if the filter cannot be isolated from the circuit, add the X900 Filter Aid to the system by one of the two following methods;

Open Systems: Dose via the expansion cistern, via a by-pass feeder or use a Sentinel Dosing Vessel.

Sealed Systems: If the system is empty, add to any convenient point before filling. If full, use a Sentinel Dosing Vessel to inject via the filling loop or other access point.

Increase the frequency of filter purging during the period immediately following addition of the X900 Filter Aid.

Note: If the system has poor circulation and/or the radiators have cold spots, first thoroughly clean the system using Sentinel X400 or Sentinel X800 and in accordance with BS7593. Sentinel X400 and X800 may be used in conjunction with a power-flushing device for a quicker, more effective clean. Flush the system before refilling and treating with Sentinel X100 inhibitor or Sentinel X500 inhibited antifreeze and finally Sentinel X900 Filter Aid.

Physical Properties

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| • Appearance: | amber to red-brown liquid |
| • Odour: | Mild |
| • Specific gravity: | 1.07 (25°C) |
| • pH: | 6.5 (approx) |
| • Freezing point: | -3.5°C |

Packaging

- 500ml bottle

Safety Precautions

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

Sentinel X900 Filter Aid

Filter Aid for Central Heating Systems	An aqueous solution of organic penetrants and dispersants.
Health Hazards	Not for use in potable water systems. Not considered hazardous to health.
Handling	Avoid contact with skin and eyes. Keep out of reach of children and animals. Wash out empty container thoroughly with water before disposal.
Storage	Keep container tightly closed. Store in cool, well ventilated area. Protect from freezing
Spillage	Flush spillage with plenty of water and wash to waste. Not considered dangerous to the environment.
Fire/Explosion Risks	Non-flammable
First Aid	Skin Exposure : Wash immediately with plenty of water. If irritation develops, seek medical attention. Eye Exposure : Flush immediately with plenty of running water. Keep eyelids apart. Seek medical attention. Ingestion : Give plenty of water to drink. Do NOT induce vomiting! Seek medical attention.