

Sentinel System Filter

Rapidly Removes Circulating Debris from Central Heating System

Features & Benefits

- Compact design
- Suitable for all types of wet central heating systems
- Eliminates all types of circulating solids
- Helps prevent sludge build up
- Integrated self-cleaning magnet for faster removal of magnetic debris
- Complements chemical cleaners and treatments
- Proven technology

Introduction

Most hot water central heating systems suffer from the accumulation of sludge deposits. These deposits are usually a mixture of 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.

Description and Use

Unlike filter units which contain only a simple magnet, and which therefore remove only magnetic debris, the Sentinel System Filter unit controls and removes all types of debris commonly associated with wet central heating systems. It provides fast and effective removal of both magnetic and non magnetic debris, helping to maintain optimum system operation and efficiency once the flushing and inhibiting process has been performed.

The unit utilises a directed water flow pattern, and a special gauze arrangement to direct suspended material down into the bottom of the unit. This effect is enhanced by a strategically located magnet which dramatically accelerates initial removal of magnetite. The collected debris is simply flushed away by opening the ball valve provided at the base of the unit. Just flushing the filter unit as normal will also clean the magnet. Simply open the drain valve for 3 – 5 seconds to clean.



Technical Specification

Mounting:	Vertical
Connectors:	22mm comp
Material:	Brass
Total Height:	232mm
Total Width:	130mm
Total Depth:	54mm
Weight:	1.85kg

The Sentinel System Filter unit features the following benefits:

- **Removes all types of debris** – The unit filters out all suspended material, both magnetic and non-magnetic.
- **Optimised flow design** - to yield a specific flow-through pattern to eliminate blockages whilst ensuring the pressure drop across the unit remains low, providing less strain on the pump and consequently maximising energy-saving.
- **Strategically positioned magnet** – which dramatically accelerates initial removal of magnetite and that does not have to be removed from the unit in order to be cleaned.
- **Enhances normal chemical cleaning and treating** – Once the system has been flushed and inhibited, the use of the filter ensures any remaining magnetic and non-magnetic debris is collected quickly, reducing risk to system components
- **Easy cleaning and maintenance** - Cleaning the unit is easy via a built-in ball valve at the base of the unit to allow it to be emptied without the need for the system to be drained. No dismantling is necessary.
- **Vertical Mounting** – Allows the unit to be sited easily.