

Sentinel System Filter

Effective Removal of Circulating Debris from Central Heating Systems

Features & Benefits

- Compact design
- Suitable for all types of wet central heating systems
- Eliminates all types of circulating solids
- Helps prevent sludge build up
- No use of magnets
- 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 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 does not rely on magnets, but instead utilises a directed water flow pattern and a special gauze arrangement which together force suspended material down into the bottom of the unit, where it collects ready to be drained away by simply opening the ball valve provided at the base of the unit.



<u>Fitting</u>	22mm compression
<u>Material</u>	Brass
<u>Dimensions</u>	H 175mm / L 104mm
<u>Weight</u>	1.9kg
<u>Volume</u>	0.32 L
<u>Flow Rate</u>	0.35 l/s

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.
- **Dosing / Bleed point** - Allows easy addition of chemical inhibitors and air-bleeding of the unit during system filling.
- **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.