



Kamco SystemGuard HP Filter

The SystemGuard HP is a compact, backwashable heat pump filter designed to protect modern low-carbon heating systems from particulate contamination.

Featuring a 100-micron internal filter mesh, dry-pocket service magnet, and a 360° connection flange, it offers flexible installation and simple, mess-free maintenance. An internal bypass ensures uninterrupted heat pump operation during backwashing, while the 28mm connection size provides easy integration into typical heat pump circuits.

Built for long-term reliability and supplied with a 5-year warranty, the SystemGuard HP delivers efficient, sustainable filtration without the need for external strainers

Product Features

- **Backwashable filtration** : For rapid, tool-free cleaning and servicing. Average 3 minute cleaning time.
- **360° Connection Flange**: Flexible installation, even in confined spaces. Vertical & horizontal installation.
- **Dry-pocket Magnet** : Removable without depressurising the system for clean mess-free service.
- **Market Leading Ultra-Fine Strainer** : 100 micron stainless steel strainer for optimal capture and no need for a Y strainer as an extra.
- **Built-In Internal Bypass** : Ensures uninterrupted heat pump operation during backwashing and system fouling. Water flow guaranteed.
- **Warranty** : 5 years as a minimum

Competitor Comparisons

- IntaKlean HP
- Adey MagnaClean HP
- Fernox Sigma HP Filter
- BoilerMag Heat Pump Filter
- Caleffi XF
- Sentinel Vortex 700

The SystemGuard HP filter is used in hot water heating circuits according to DIN EN 12828 for filtration, desludging and separating magnetic sediments. Coarse and fine-grained impurities (e.g. rust sludge), which can lead to malfunctions in control and regulating devices, are removed by the powerful combination of backwashable heating filter and magnetic separation.

Product Specification

Connection : 28mm (22mm Reducing Set)

Dimensions : 252mm x 110mm x 180mm

Port to Port Dimension : 110mm

Weight : 1.75kg

Max. Operating Pressure : 10 bar

Operating Temperature : 10°C - 110°C

Medium : Heating water

Strainer Mesh : 100 micron

Backwashing pressure min. : 1.5 bar

Flow rate : 3.60 m³/hr

KVS Value : 8.0

Installation position : Main axis vertical

Warranty : 5 years

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