



Kamco SystemGuard HP+ Filter

The Kamco SystemGuard HP+ is an advanced heat pump filter designed to provide comprehensive system protection through a combination of magnetic, mechanical and electrostatic filtration technologies. Its innovative electrostatic pearl-ball technology captures and retains non-magnetic contaminants such as scale, corrosion by-products and installation debris that conventional magnetic filters cannot remove, while powerful magnets efficiently collect magnetite and other ferrous particles.

This dual-action filtration helps maintain optimum heat pump efficiency, protects critical components including heat exchangers, pumps and valves, and supports long-term system reliability. Featuring a backwashable design for quick servicing, enhanced air venting and desludging capabilities, and an integrated bypass for uninterrupted operation during maintenance, the SystemGuard HP+ is specifically engineered to meet the demands of modern heat pump systems and help maximise performance, efficiency and lifespan.

Product Features

- **Backwashable Design** : Enables quick, simple and clean maintenance without the need to dismantle the filter.
- **Integrated Air Venting and Desludging** : Helps improve water quality, reduce air-related issues and maintain optimal system performance.
- **Twin Dry-pocket Magnet** : Removable without depressurising the system for clean mess-free service.
- **Electrostatic Pearl-Ball Technology** : Captures non-magnetic contaminants such as scale, corrosion by-products and installation debris that conventional magnetic filters cannot remove.
- **Built-In Internal Bypass** : Ensures uninterrupted heat pump operation during backwashing and system fouling. Water flow guaranteed.
- **Integrated Air Venting and Desludging** : Helps improve water quality, reduce air-related issues and maintain optimal system performance.

Competitor Comparisons

- IntaKlean HP XL
- Caleffi XL

Product Specification

Connection: 1" (DN25) or 1 1/4" (DN32)

Dimensions: 382mm x 112mm x 125mm

Port to Port Dimension: 100mm (DN25) 108mm (DN32)

Weight: 2.5kg

Max. Operating Pressure: 10 bar

Operating Temperature: 10°C - 110°C

Medium: Heating water

Strainer Mesh: Electrostatic pearl-ball technology

Backwashing pressure min.: 1.5 bar

Flow rate: 3.1 m³/hr

KVS Value: 8.5

Installation position: Main axis vertical

Warranty: 5 years

EAN: 506013459 0919

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Product Number : MI086 1" (DN25)

MI087 1 1/4" (DN32)



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.



+44 1727 875020



info@kamco.co.uk



www.kamco.co.uk