

FilterShield™

Food & Solid Waste Removal

Low Cost Solution for separation of Food Waste, Coffee Grinds and Starch



ENVIRONMENTAL & SUSTAINABILITY CREDENTIALS



EPD Nos.
Hub HUB-4287
Hub-4288



ENVIRONMENTAL CREDENTIALS

- ✓ **Environmental Product Declarations (EPDs)** - Independently verified to EN 15804+A2 and ISO 14025. Provide measured, transparent life-cycle environmental data for the product. Used by specifiers, auditors, and regulators to assess environmental performance consistently.
- ✓ **ISO 14068-1 Carbon Neutral Manufacturer** Organisational emissions are measured, reduced, and independently verified in line with the internationally recognised ISO 14068-1 standard. Residual emissions are neutralised through certified carbon credits, ensuring manufacturing meets robust global carbon neutrality requirements.
- ✓ **Supports key UN Sustainability Development Goals** - by preventing food waste pollution, protecting wastewater infrastructure, and enabling responsible resource recovery.

SUSTAINABILITY PERFORMANCE

- ✓ **Zero Energy Consumption** – Passive design engineered to operate without electricity, eliminating operational energy demand across its service life.
- ✓ **Prevents Drainage and Wastewater Pollution** – Captures food waste, coffee grinds, starch, and non-flushable solids before they reach the drainage network, reducing blockages, jetting, and pumping activities.
- ✓ **Eliminates Disposable Filters** – Reusable filtration basket removes the need for single-use consumables, reducing waste and lowering environmental impact over the product's lifecycle.



**Environmental
Products and Services Ltd**

Award Winning Technology

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ENVIRONMENTAL PRODUCT DECLARATIONS (EPDs)

FilterShield™ carries fully independent Environmental Product Declarations (EPDs), verified to EN 15804+A2 and ISO 14025. These provide transparent, third-party-validated data covering the entire product life cycle.

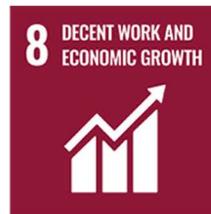
The EPDs confirm:

- ✔ **Zero operational energy demand** – FilterShield™ operates without electricity, eliminating energy use entirely.
- ✔ **Eliminates disposable consumables** – No replacement filters required, reducing waste and lifecycle environmental burden.
- ✔ **High recycled material content** - 61.3% secondary materials used.
- ✔ **Strong end-of-life performance** - 68.8% of materials recovered through established recycling routes
- ✔ **Long service life** - 10-year reference lifespan
- ✔ **Quantified environmental impact** - including carbon footprint and resource use.
- ✔ **Strengthens project approval pathways** where transparent environmental data is required.
- ✔ **Supports formal sustainability reporting** (ESG, Scope 3, Net-Zero).
- ✔ **Meets procurement requirements** where environmental documentation is mandatory.
- ✔ **Facilitates compliance** in engineering specifications for public and private projects.
- ✔ **Enables use in green building schemes** such as LEED, BREEAM and WELL.
- ✔ **Reduces risk for buyers** by providing validated performance and lifecycle data.
- ✔ **Improves specification success** for distributors through recognised verification.

ISO 14068-1 CARBON NEUTRALITY

EPAS is certified to ISO 14068-1, the internationally recognised standard for demonstrating robust, transparent carbon neutrality. Our certification verifies:

- ✔ **Measured and independently verified organisational carbon footprint**
- ✔ **Structured Carbon Management Plan aligned with international best practice**
- ✔ **Verified emission reductions across operations**
- ✔ **Transparent public disclosure ensuring accountability and trust**
- ✔ **Supports client ESG, Net Zero and responsible procurement objectives**
- ✔ **Neutralisation of residual emissions using high-quality, certified carbon credits**



**SUSTAINABLE
DEVELOPMENT
GOALS**



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