

Baleen self-cleaning filter

An award-winning, globally patented self-cleaning filter that removes micron-sized particles at high flow rates — supplied and supported in South Africa by Prosep.

10 mm to 25 micron

Continuous, self-cleaning

Modular, globally patented

Level 2 B-BBEE | 300+ sites served nationally | Treating industrial water since 1998



Innovative Water Solutions

01

SPECIALIST FILTRATION

How it works

Most fine filtration forces a trade-off: fine screening at low flow, or high flow with coarse screening — and either way, media that blinds, backwashes or needs replacing. The Baleen Filter refuses the trade-off.

It removes floatable, visible and settleable material, high solids loadings, and fats, oils and grease — from 10 mm down to 25 micron without chemical assistance, and finer still with it. There is no media to replace and no backwash cycle stealing product water.

Flow or fineness

Conventional screens give fine screening at low flow, or high flow with coarse screening.

Blinding media

Screens blind and filter media needs brushing down or replacing.

Backwash losses

Backwash cycles steal product water and add a burden to every filter bed.

The programme, stage by stage

Stage	What it does
The self-cleaning double act	Two high-pressure, low-volume sprays: one dislodges material caught by the filter media, the other sweeps it away for collection.
Static media, continuous flow	Water flows over static filter media. Anything larger than the screen aperture is removed; everything smaller passes through.
Modular at your flow rate	The system adapts to the flow and the periphery design a site actually has, with a low cost of capital installation and maintenance.
Built for the hard duties	Designed to perform where other technologies have failed — and engineered into the treatment programme Prosep already runs on your site.

1998

Treating industrial water since

300+

Sites served nationally

132 million

Litres treated daily

Level 2

B-BBEE contributor

02 Applications

BALEEN SELF-CLEANING FILTER

Effluent & sewage

- Abattoirs — red and white meat
- Tanneries
- Fruit and vegetable processing
- Paper and tissue plants
- MBR pre-screening and protection
- Final polishing of treated sewage

Potable & mining

- Pre-treatment ahead of RO and nanofiltration
- Desalination duty and sand filter replacement
- Fine coal recovery from thickener feed and slimes dams
- Fine carbon recovery and gland service water on gold plants
- Platinum concentrate from thickener overflow



One stage in a full water programme

A Baleen filter rarely works alone. It screens for an effluent treatment train, protects a membrane plant, or recovers value inside a reuse scheme — so Prosep specifies it together with the chemistry and the stages around it.

Baleen Filter is the trademark of the technology's developer; the technology is patented globally.

NEXT STEP

Book a site assessment

We survey your systems, sample your water and map the risks to uptime, yield and compliance — then state exactly what we would do, and prove it with your own plant's data.

- 01 We assess the site and take the analyses
- 02 You get an engineered programme, costed before you commit
- 03 We implement, monitor and report against the targets

Have this ready and the first visit goes further

- The stream to be filtered and where it comes from
- Flow rate: average and peak
- Solids load, and fats, oils and grease if present
- The particle size you need to remove
- What sits downstream: membranes, a works, a discharge point
- Current screening or filtration and its problems

Talk to us

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Visit

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