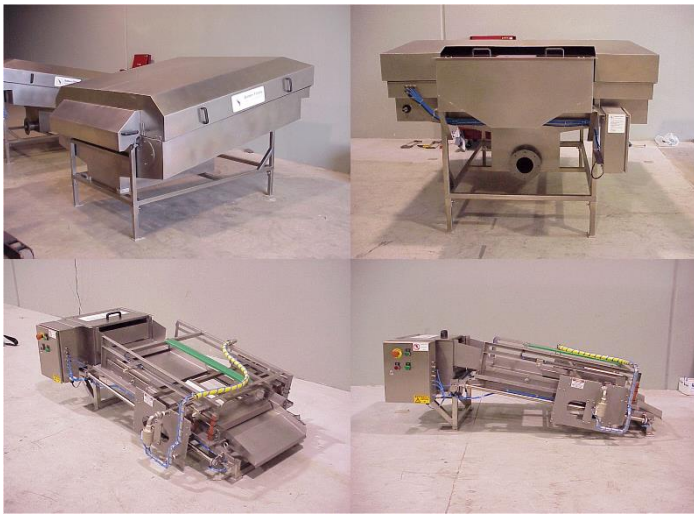


BALEEN FILTER – SELF CLEANING FILTER

The Baleen Filter has won design awards, every year since 2000. The technology is unique and has been patented globally. The Baleen Filter is capable of filtering floatable, visible, settle able, a high loading of solids, fats oil and grease, from 10mm down to 25 micron without chemical assistance and down to 3 micron with chemical assistance.



Process Principle

The Baleen Filter technology is based on a simple yet ingenious 'double act' of high pressure, low volume sprays. One of which dislodges materials caught by the filter media, while the other sweeps away the material for collection. As water flows over the static filter media any material larger than the screen aperture is removed and any material smaller than screen aperture passing through the filter media (as demonstrated on the image to the right). The Baleen Filter is a modular system and can be adapted to any system whether it is flow or actual design of the periphery components as shown in the images above.

Applications

Effluent Treatment

- White Meat Abattoirs – Chicken, Ostrich
- Red Meat Abattoirs
- Tanneries
- Vegetable/Fruit Processing
- Paper/Tissue Processing

Sewerage Treatment

- MBR Pre-screening & protection
- Final Sewerage Water Polishing

Potable Water Treatment

- Pre-treatment to RO/Nano Filtration
- Desalination
- Sand Filter Replacement

Coal Recovery

- Fine Coal Recovery from Thickener Feed
- Fine Coal Recovery from Slimes Dams

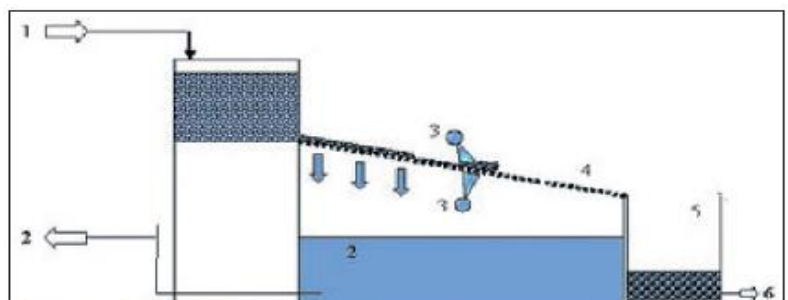
Gold

- Fine Carbon Recovery
- Gland Service Water Polishing
- Pre-screening to underground clarifier

Platinum

- Collection of platinum concentrate in Thickener overflow

The Baleen Filter can be used in any water treatment application and has been designed to perform where other technologies have failed. The Baleen Filter has a low cost of capital installation and maintenance.



Micro-screening to as fine as 25 micron, and chemically assisted filtration to less than 5 micron
 1 - Feed • 2 - Filtrate • 3 - Moving Spraying System
 4 - Filter-media • 5 - Solid Bin • 6-Residual Water