The Future in Micro-Screening

ulant in Micro-Screening Technology
www.baleen.com

The world’s best self-cleaning filter

FIELDS OF APPLICATION

Baleen can be used in many applications, containing both organic and inorganic waste constituents. In applications where biodegradable materials are problematic to conventional screening and filtration systems, Baleen demonstrated that filter blinding does not occur. The Baleen filter is especially applicable in water treatment approaches where waterborne materials were previously regarded as problematic to conventional screening and filtration process. Baleen removes hairs, fibres, absolutely and non aqueous constituents such as fats and oils efficiently.

MARKETS

- Wine & Beverage Industry
- Meat & Byproducts Industry
- Fruit & Vegetables Industry
- Food Processing
- Agriculture
- Chemical & Mining Industry
- Pharmaceutical Industry
- Tannery
- Municipal sewage
- Irrigation

Baleen Filters manufacture, supply and service an internationally patented, and ‘state-of-the-art’ self-cleaning filter technology of universal acclaim.

With a product range of the same name, Baleen offers Best Practice application from grey-water through to trade wastewater streams, to enable the end-user to recover traditionally troublesome constituents from virtually any water treatment stage.

“...The Baleen filter system has provided us with the solution we were looking for – A low maintenance, self cleaning system with very low operating costs. Baleen has complimented what was already in place and has allowed us to reduce our wastewater loads considerably.”

...Andrew Westlake, Operations Manager, Midfield Meats, Victoria, Australia.
The Baleen filter technology is based on a simple yet ingenious ‘double act’ of high pressure and low volume sprays. One of which dislodges material caught by the filter media, while the other sweeps away the material for collection.

As water flows through the filter substances, solids initially suspended in the water are left behind by the filtrate, but before they are allowed to accumulate and blind the screen media, the ‘double act’ sprays effect their removal from the filtering zone, to therefore sustain the filtering process.

The principles of operation rely upon the response of particle dynamics to fluid flow within a non pressurized open system. The continued reliability of filtering process is achieved by state of art process control to ensure trouble free coarse screening to 250 micron, micro screening to less than 100 micron and micro filtration to less than 5 micron, when using chemical assistance.

**THE PRODUCT**

<table>
<thead>
<tr>
<th>MODEL - MATERIAL</th>
<th>CONTROL</th>
<th>Standard Peak Flow handling capability, subject to industry loading and application</th>
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</thead>
<tbody>
<tr>
<td>B0505S-3XXSS</td>
<td>N or B or A</td>
<td>upto 35 m³/hr</td>
</tr>
<tr>
<td>B1010S-3XXSS</td>
<td>N or B or A</td>
<td>upto 125 m³/hr</td>
</tr>
<tr>
<td>B1010S-3XXSS</td>
<td>N or B or A</td>
<td>upto 125 m³/hr</td>
</tr>
<tr>
<td>B2015S-3XXSS</td>
<td>N or B or A</td>
<td>upto 400 m³/hr</td>
</tr>
</tbody>
</table>

The ‘BxxxxS’ model is the basic screening unit, presented in a ‘tank-mountable’ or ‘user-install’ format.

The ‘xxWxxC’ model is a fully enclosed screening unit, presented in a ‘ready to install’ unit suited to in-process or harsh environs.

**OPTIONS**

- 3XX: 304 grade or 316 grade stainless steel
- N: Standard control features without utility control
- B: Basic Pump Control Unit included
- A: Advanced Pump Control Unit included

**FURTHER OPTIONS**

- SOLIDS SKIP
- SOLIDS SKIP LINER
- PRE-SCREEN DEVICE
- SERVICE CONTRACT
- MIST SUPPRESSION COVER
- SKIN DEWATERING UNIT
- REPLACEMENT SCREENS AND SPARE PARTS
- CHEMICALLY ASSISTED FILTRATION MODULES