JDV Equipment Corporation
Incorporating Ralph B. Carter Company

Committed to the design and manufacturing of superior quality waste water and water treatment equipment

BALEEN FILTERS

Solids Handling Products

Product Overview

Baleen Filtration exists between 5 microns and 500 microns (0.5mm). This technology requires no hot water and is easily cleaned by a patented cleaning mechanism inspired by the Baleen Whale. Because this technology can effectively and practically operate in this filtration range, significant improvements in the wastewater treatment process and select solids separation of process water can be achieved.

The system uses a combination of high pressure, low volume sprays that dislodges material from the filter screen media, while the other sweeps the material away 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 combination sprays remove them from the filtering zone.

The principles of operation rely on the response of particle dynamics to the flow of fluid within a non-pressurized open system. The control system ensures trouble free coarse screening to 250 micron, micro screening to less100 micron and microfiltration to less than5 micron, when using chemical assistance.

The Baleen Filter can be used at any point during the treatment process and has enjoyed great success in removing fine particulates such as hair, grit, and suspended solids – even in the presence of fats, oils, and grease.

Features	Benefits
Removes Fine Particulates, even in presence of fats, oils & grease.	Reduced Overall Operating Costs
Filtration from 5 to 500 microns	Design/Operational Flexibility
Up to 1760 gpm (400 m^3/hr) peak flow	
Parallel (high flow) or Series (selective separation) Configurations	
High Pressure Low Volume Sprays that do **NOT** require HOT water	Reduced Odors and Maintenance, Self-Cleaning and Increased Operational Efficiency.

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Options & Accessories

- 304 or 316 SS Construction
- Pre-Screening
- Over Spray Suppression Cover
- Chemically Assisted Filtration Modules
- Solids Containers & Liners
- Integrated De-watering System

Pricing

Pricing varies depending on capacity, filtration requirements, waste stream composition and options required. Quotations are provided within 48 hours of request when accompanied by minimum required specification data.

Minimum specification data required in order to provide a quote:

1. Required Capacity (ft^3/Hr or m^3/Hr)
2. Filtration Size (5 to 500 micron)
3. Waste Stream Characteristics
4. Upstream screening size (inches or mm)

Contact JDV

Ensure Success For Your Next Project!

1-973-366-6556 or www.JDVEquipment.com