BASWOOD

Inspired by nature.
Perfected by technology.

Baswood BioViper™

Wastewater Solutions for the Beverage Industry

The Baswood Solution

Baswood provides Beverage Producers with cost-effective, proven treatment solutions that dramatically reduce high surcharges, achieve stricter effluent limits, and provide the opportunity to reuse water.

Why the beverage industry needs Baswood

With the high organic levels and variable loads typical in waste streams from beverage and juice processes, some form of wastewater pretreatment is often needed to meet ever-more-stringent municipal discharge limits and reduce related surcharge fees. In addition, the industry as a whole is becoming more conscientious about improving operating efficiency and reducing the impact on the environment. The Baswood BioViper™ offers a wastewater pretreatment solution that helps to satisfy both fiscal and sustainability goals.

Baswood BioViper is a robust, automated, biological system specifically designed to treat high-strength wastewater streams with minimal chemical needs and low energy consumption, resulting in lower life-cycle costs than competing treatment technologies. While traditional treatment systems have high energy demands, produce large quantities of sludge, occupy a large footprint, and require constant operator interface, the BioViper is specifically designed to handle high-strength industrial waste streams without any of these issues.

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Utilizing our patented processes—Aerobic/Anaerobic Integrated Microbial Succession (AIMS) and the innovative Dry Cycle Aerobic/Anaerobic Digestion (DCAD) process—the BioViper provides efficient, reliable wastewater treatment within a stable, fixed media environment. The overall treatment process mimics the natural organic breakdown processes that occur in rivers as water flows through various aeration environments.

Baswood Delivers Lowest Total Cost of Ownership

Because of Baswood's extensive experience working with beverage processors, we can design and install systems that take advantage of the BioViper's robust biomass to respond to fluctuating waste loads while maximizing treatment.

Baswood Benefits

- Lower Operating Costs
- Smaller Footprint
- Energy Savings
- No Odor

Baswood's vertical enclosed reactors require significantly less energy, physical space, and operator interaction—benefits that deliver **sustainable long-term savings** compared to traditional solutions.

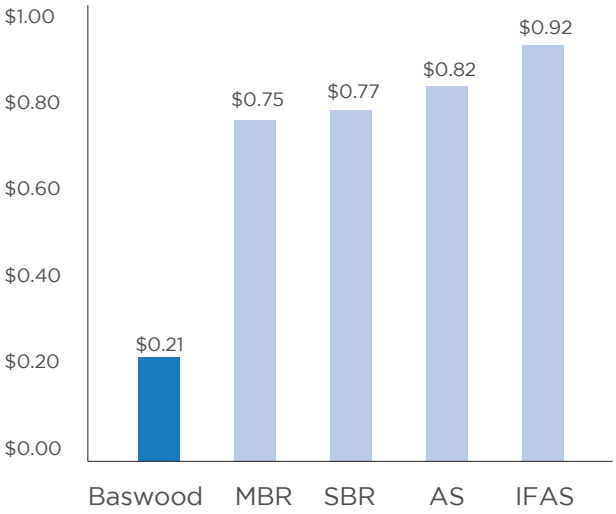
Baswood 10-Year Savings: $6.2 Million VS. MBR

Based on Typical Size Beverage System

Annual Operating Expenses

($ in millions/year)

Baswood saves ~$600,000/year over competitors



Baswood achieves the leadership position in Total Cost of Operation by designing and installing systems that are competitive in upfront capital to MBR systems but cost significantly less to operate. This is primarily achieved via significantly lower energy requirement, minimum man hours, and very little sludge handling, if any.

About Baswood

Baswood offers an environmentally responsible, lower total cost alternative for wastewater treatment and biosolids management. Our proven, patented technologies provide effective treatment of industrial and municipal wastewater streams.

Founded in 2004, Baswood delivers innovative, technology-based solutions that produce results. Our systems are compact, customizable, and require less energy and limited manpower to operate.

- Pilot Testing
- System Design
- Equipment Supply
- Installation
- System Startup and Commissioning
- Operations Training
- Long-Term Support

For additional information or a complimentary evaluation of how a Baswood system can improve your bottom line, please contact us at:

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www.baswood.com

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