

BIOFERMENTATION SPARGER



DESCRIPTION

Traditional biofermentation technology is ripe for innovation. Save energy costs, reduce cycle time, and produce a higher quality product with Biofermentation Sparging solutions from Mott. Our biofermentation solutions allow for higher gas absorption than standard and can significantly lower energy costs by decreasing the agitation needed in your biofermentors. Enabling faster absorption allows for increased cycle times and significant time savings. Custom design your biofermentation sparger in stainless steel or virtually any metal alloy to meet the specifications of your system. Our highly trained engineering team will help you design the right sparging system for your application.

PROBLEMS

High energy costs?

High gas usage?

Long cycle times?

Material Compatibility Problems?

Internal Designers Unfamiliar with Proper Sizing and Design?

MOTT'S SOLUTIONS

Decreased agitation needed while achieving higher O_2 absorption

Smaller bubble size for higher surface contact ratio reducing the total gas spend

Faster absorption allowing for significant time savings

Stainless steel and several other alloys available to meet customer requirements

Team of engineering and application experts available to assist in sizing or overall design

ORDERING INFORMATION

1. Gases or liquids in process
2. Flow rate
3. Media grade
4. Dimensions
5. Custom fittings
6. Alloy



TECHNICAL DETAILS

Finding the right balance of gas usage, agitation, and time can be challenging in aerobic fermentation systems. Mott's Biofermentation Spargers can help. You don't have to settle for one or the other - our Spargers offer distinct advantages that can help your entire system.

Mott Biofermentation Spargers offer:

10-40% increase in initial O₂ absorption

2-3x rate of rise for mild agitation systems

Opportunity to reduce or remove agitation by switching from drilled pipe to a Mott Biofermentation Sparger

Choice between a standard component or a custom design to fit your exact setup

Ability to clean using a variety of methods

Dissolved O₂ in water sparging air at 50 CFH

