

IMPROVE YOUR PROFITABILITY WITH MAXIMUM EFFICIENCY AMINO ACID SPARGERS

mott
MISSION CRITICAL PRECISION

Mott's Amino Acid Spargers **INCREASE THROUGHPUT BY 5X** and Saves Animal Feed Producers Money by **REDUCING GAS AND UTILITY COSTS**

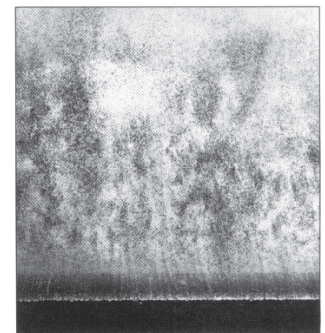
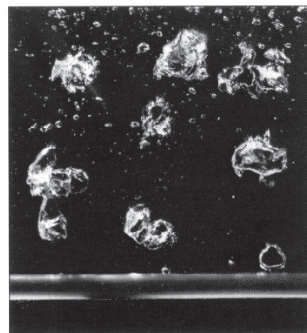
When it comes to production of amino acids, Mott spargers increase gas absorption and the mass transfer of gas in the fermentation process through the creation of millions of tiny bubbles. Gas is introduced into the bioreactor through a matrix of pores that create micron size bubbles far smaller and drastically more effective than drilled pipe devices. These tiny bubbles are what gently and continuously feed the reactor, maintaining the integrity and growth of the product, while preventing excessive gas usage. These benefits are why many animal feed producers have changed out their drilled pipe spargers for Mott Amino Acid Spargers.

Mott Amino Acid Spargers can be custom designed to fit the specifications of any system design and are available in stainless steel or a wide variety of other alloys.

SUBMIT YOUR SPARGING INFORMATION TO AN ENGINEER

<http://mottcorp.com/resource/design-tools>

Download our Sparging App Data Sheet (SADS)



Drilled Pipe versus Mott Amino Acid Sparger

TECHNICAL DETAILS

Testing Mott Amino Acid Spargers against a drilled pipe sparger in tanks using two different flow rates, it is clear that the Mott spargers achieve oxygen saturation much faster than the drilled pipe for each flow setting.

Mott spargers can reach saturation levels 5X faster than the drilled pipe at equivalent settings.

Mott Amino Acid Sparger Benefits

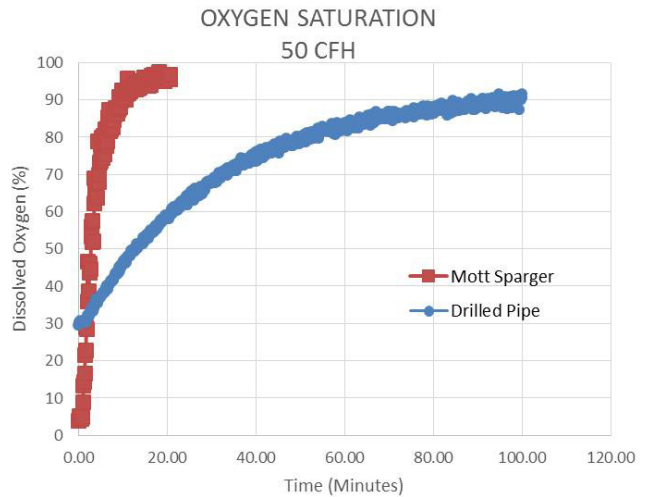
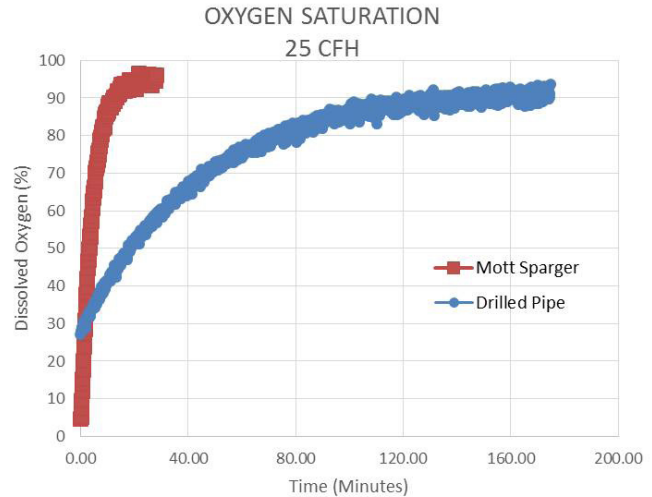
10-40% increase in initial O₂ absorption

2-3X rate of rise for mild agitation systems

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

Millions of tiny bubbles for fast, efficient mass transfer of gas

Ability to clean using a variety of methods



Rate of Rise - Mildly Agitated

