MOTT SPARGERS FOR NANOBUBBLE GENERATION SYSTEMS

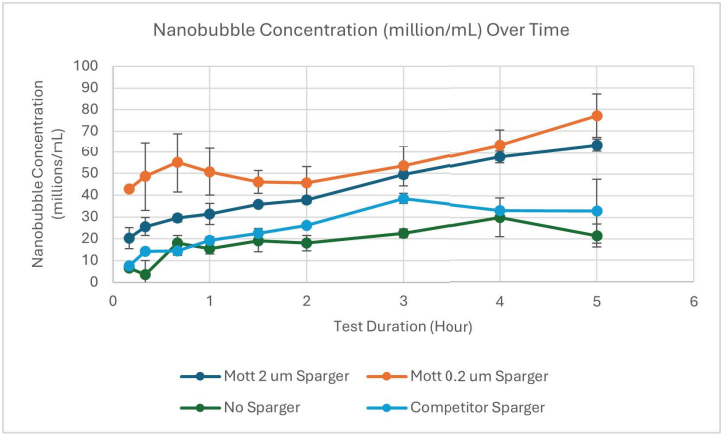
mott
MISSION CRITICAL PRECISION

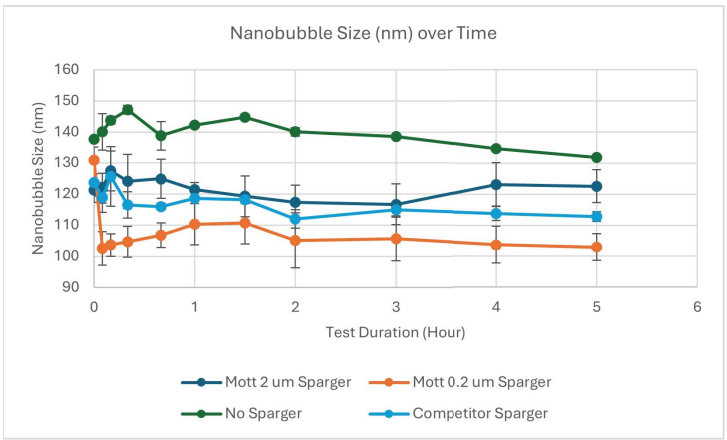
THE MOTT ADVANTAGE

Mott Corporation's porous metal sparging technology can be integrated into nanobubble generators to improve nanobubble generation rate and generator efficiencies. Leveraging decades of manufacturing expertise, Mott can provide high performance solutions to improve your nanobubble generators for a variety of applications, such as environmental remediation, food & beverage applications, aquaculture, and more. Mott Corporation offers a wide variety of porosities and form factors to be able to provide the best sparger for your system.

THE PROOF IS IN THE DATA

Mott recently partnered with the University of Maine for comprehensive testing on nanobubble generation using our spargers. Mott spargers were integrated into a commercially manufactured nanobubble generator to increase nanobubble generation rate and reduce bubble size. Results showed that compared to operating without a sparger, incorporating Mott's product increased nanobubble generation rate by 258% and reduced bubble size by 20%. Compared to operating with an incombent competitior's sparging technology, using Mott's product exhibited an increase in nanobubble production by 134% and reduced bubble size by 10%. Through the incorporation of Mott sparger technology, the generator's performance was substantially improved.





Specifications	
Materials of Construction	All 316L SS
Porous Media Grades	0.2 µm, 0.5 µm, 2 µm, 5 µm, 10 µm
Connections	M5 thread with O-ring grooves, 10-32 UNF threads, hose barb, NPT threads and butt weld ends available
Optional Adapter Kit for M5 Threaded Spargers - CPN: 210099-KIT	Adapts M5 Thread to the Following Connection Types: - 10-32 Thread - 1/4-20 Thread - 1/8 Tube - M2.5 Thread - M3.5 Thread