

Considerations for keeping gases dissolved in solution when using sparging stones – Tips & Suggestions

Question: I am using the sparging stones (*MTC catalog# 48222-06*) in my production lines feeding nitrogen into solution. After switching to a bigger dish with more volume, I noticed that the concentration of nitrogen does not reach the same level anymore. What can you suggest for a sparging stone that can handle higher flow rates (*current method around 40mL/min*)? With our current settings, the nitrogen just bubbles to the surface.

Answer: Here are some potential solutions to the issue:

1. Is the stone mounted in the dish?
2. Can an agitator be added? This may make the process of getting nitrogen into the solution more effective as 40 mL/min is a very low flow rate.
3. Can a mesh be added over the stone? This may help keep the gas in solution.

Click [HERE](#) for ordering information and pictures of sparging stones.