



Anti-Foaming Agent for use with Sievers Purge Vessel and Nitric Oxide Analyzer

The purge vessel is used with the Sievers Nitric Oxide (NO) Analyzers Models 270 and 270B to effectively purge dissolved NO from solution. The constant bubbling of the purge gas through the solution will create foaming in solutions containing high concentrations of protein, for example. When the solution foams, it is more likely to exit the purge vessel and foul the needle valve at the analyzer inlet. To prevent this from happening, use Dow Corning Antifoam. This will virtually eliminate foaming problems, even with the solutions containing very high levels of protein.

The vial of Antifoam provided by GE Analytical Instruments is **very concentrated**. Please use this solution in the following manner for best results:

- 1) Make a 1:30 dilution of Antifoam in cool deionized water (if you are using the purge vessel to reduce nitrite or nitrate, then ensure that the dilution water contains none of these ions). Store this solution in a gas-tight vial. The shelf life is indeterminately long, but **avoid freezing or high temperature**.
- 2) **Add one drop** of this diluted mixture to the purge vessel when analyzing high-protein solutions.

If you have questions regarding the use of Antifoam, suggestions or comments, then please contact GE Analytical instruments Nitric Oxide Technical Services.