



Nitrogen Supply Systems for Autoclaves



Linde understands the importance of having the right nitrogen atmosphere to obtain a successful autoclave curing cycle. By closely reviewing your front-end atmosphere flow analysis, our engineers can determine the correct gas distribution infrastructure and supply equipment for your autoclave operation. Our approach and experience can yield precise and reproducible results, with a seamless integration between your nitrogen supply and autoclave cycles.

Conducting Upfront Analysis

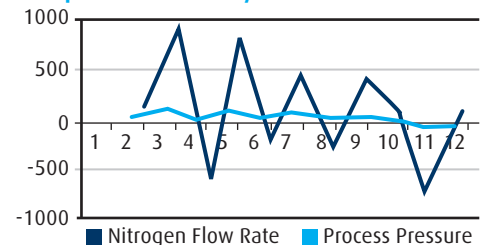
Linde works closely with customers on the front end to develop nitrogen flow profile analysis for each autoclave curing cycle. To help maintain the correct pressure throughout the cure cycle, the Linde team matches nitrogen flow and pressure supply capability with the peak demands of the autoclave curing process regardless of the total flow peak created by simultaneous curing cycles.

A Customized Approach

Once the gas flow analysis is completed, the Linde team can engineer a customized nitrogen supply system for the autoclave yielding precise, reproducible results. The nitrogen supply system includes nitrogen supply, liquid to gas vaporization equipment and the gas flow control module. Linde also provides guidance on distribution pipe lines designed to deliver nitrogen at the precise flow and pressure needed for each autoclave cure cycle whether for an individual cycle or multiple overlapping cure cycles.

A typical autoclave cycle might involve several pressure and nitrogen flow changes during the curing process. Analyzing these patterns for single or multiple autoclave facilities is a critical step to providing the optimum nitrogen supply equipment and the design of the nitrogen distribution piping that result in reproducible results.

Sample Autoclave Cycle



Linde has been a gas supply leader for more than a century. In addition to having a nationwide supply network, Linde is the largest supplier in North and South America and one of the world's only integrated suppliers. Our flexible supply options include packaged gases, bulk gases, pipelines, and on-site generation. For more information about Linde's products and services call [1-844-44LINDE](tel:1-844-44LINDE) or visit www.lindeus.com.

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