

Nitrogen Supply Systems for Autoclaves

We know how critical the nitrogen atmosphere is to a successful autoclave curing cycle. Praxair's approach to provide the correct gas supply systems for an autoclave or multiple autoclaves can yield precise, reproducible results. By working closely with customers on front end atmosphere flow analysis, the Praxair engineering team is able to determine the right gas distribution infrastructure and gas supply equipment for your autoclave(s) resulting in seamless integration between nitrogen supply and autoclave cycles.

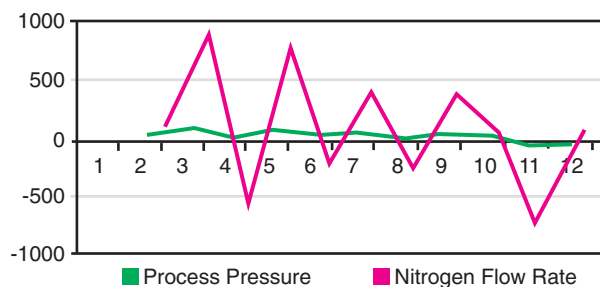
Conducting upfront analysis

Praxair 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 Praxair 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 Praxair 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. Praxair 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.

Sample Autoclave Cycle



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.



Praxair has been a gas supply leader for more than a century. In addition to having a nationwide supply network, Praxair 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 Praxair's products and services call 1-800-PRAXAIR or visit www.praxair.com.