

ON-SITE NITROGEN GENERATION

Used for the production of pharmaceutical products



Nitrogen that meets regulatory purity specifications for the pharmaceutical industry. The interface between HPLC and Mass Spectrometry requires a constant flow of nitrogen gas. Constant supply of nitrogen is essential in any lab to increase uptime and sample throughput.

Shifting to on-site nitrogen generation capabilities can not only provide great opportunities for cost savings at laboratories or pharmaceutical facilities, it's also a sure way to a more environmentally friendly future.

When considering the capital costs associated with on-site nitrogen generation, customers can realise a return on investment in as few as two years and will see day-to-day operational costs nearly in half after that.

WHEN USING NITROGEN GAS GENERATORS:

- ✓ Small ultra-high purity flows or Gas Chromatograph
- ✓ Increased production efficiency with longer production runs
- ✓ Larger lower purity needs for Liquid Chromatograph Mass Spectrometer (LCMS) and Fume hoods
- ✓ Extended shelf life allowing for increased export opportunities to new geographic markets
- ✓ Generate laboratory gases for all analytical applications.
- ✓ Reduction in maintenance and costs associated with gas cylinders

BENEFITS:

- ✓ Up to 90% cost savings - Typical capital pay-back is achievable within 12-24 months
- ✓ Convenient and safe - The easy to use system is simple to install, requires minimal maintenance and eliminates safety hazards associated with traditional gas supplies
- ✓ Lower cost maintenance, extensive working life - The Carbon Molecular Sieve, the 'engine' of the generator delivers nitrogen more efficiently, leading to a very long working life - and major savings on maintenance.
- ✓ Remote monitoring - Enabling connection to proprietary remote management and the generator control systems to control and track gas parameters from a central location
- ✓ Energy savings - Low air consumption provides greater energy efficiency. Matches compressed air flow to the nitrogen outlet flow and purity, reducing compressed air use, and saving energy and money.
- ✓ Gas quality control - Mass Flow Controller, Integral Oxygen Analyser, Off-Gass-By-Pass, Inlet and Outlet Pressure Regulation, Electronic Control System
- ✓ Reduced carbon footprint - The elimination of cylinder deliveries and transportation means carbon footprint can be reduced.
- ✓ Space saving design - The compact design means the system demands less floor space
- ✓ Industry compliance - Food and pharmaceutical safe, in line with European statute (EIGA) and the USA Food & Drug Administration (FDA Article 21) and Pharmacopeia compliance.
- ✓ Flexible multi-bank option - The modular concept means the generators can be multi-banked if required



***RECEIVE A COMPRESSOR AT COST PRICE WITH NEW SYSTEM INSTALLS**

**CONDITIONS APPLY, CONTACT TORQUE TO DISCUSS*

PARKER'S NITROSOURCE GAS GENERATOR

[HTTPS://YOUTU.BE/HKFOU1KVTEs](https://youtu.be/HKFOU1KVTEs)



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