

Peak Blog

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Topics: LC-MS/MS

URL: <https://www.peakscientific.com/blog/genius-xe-generators-are-the-first-to-be-equipped-with-our-patented-eco-technology/>

Genius XE generators are the first to be equipped with our patented ECO technology

When only exceptional will do you need exceptional technology.

Designed to generate nitrogen gas for LC-MS/MS and other laboratory instruments which require analytical grade nitrogen, Genius XE is our most advanced nitrogen gas generator yet. To provide ever more advanced and sophisticated analytical instruments with the quality nitrogen gas supply that they require we designed Genius XE as a premium nitrogen gas solution to supply critical laboratory applications with analytical grade nitrogen gas.

To achieve this we equipped Genius XE with new technologies, including our custom designed Electronic Compressor Optimization™ (ECO) technology. ECO technology intelligently manages compressor activity to minimize energy consumption and maximize performance. Innovative software constantly monitors the application demand and controls each compressor independently to deliver the required output and to turn some off when not needed. The benefits of ECO technology are true on-demand gas generation, improved operating efficiency which results in lower energy costs and long-term performance and reliability as the load on the compressors is intelligently shared and balanced.

Thanks to their advanced technology Genius XE nitrogen gas generators can produce nitrogen at up to 99.5% purity with a variable flow rate of up to 70 liters per minute and a variable pressure of up to 116 psi.

Conclusion

Genius XE nitrogen generators have been designed as a gas solution for high performance LC-MS/MS and other mission-critical laboratory applications where performance and reliability are paramount. In short, if your lab can't afford to compromise when it comes to instrument gas for LC-MS/MS instruments, a Genius XE nitrogen gas generator will ensure that you don't have to.

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