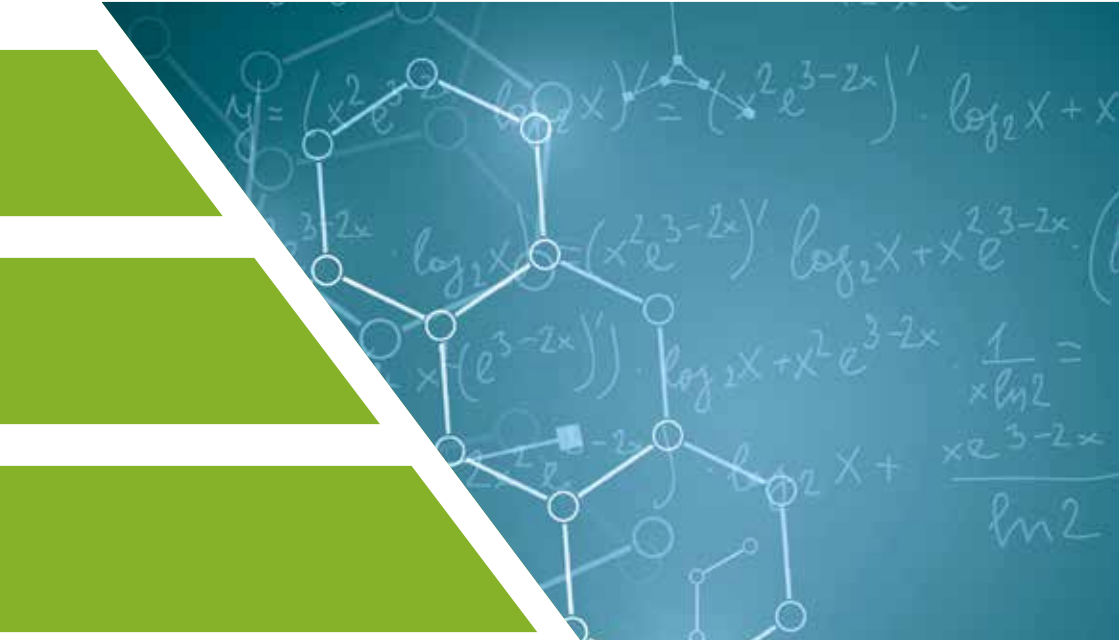


Your local *gas generation* partner



Gas Generators

For SCIEX Systems



SCIEX approved vendor

Discover more at www.peakscientific.com/sciex

Our story

The Peak way

DESCRIPTION



Peak Scientific is a leading innovator in the design, manufacture and support of high performance gas generators for analytical laboratories. Established in the UK in 1997 near Glasgow (Scotland), where our corporate Headquarters and high-tech manufacturing and R&D facilities reside, Peak Scientific boasts a significant local presence on every continent – including major operations in North America, China and India.

With two decades of experience in pioneering reliable gas generator technology, Peak Scientific develops market-leading nitrogen, hydrogen and zero air systems mainly for the field of LC-MS (Liquid Chromatography-Mass Spectrometry) and GC (Gas Chromatography).

What differentiates us is our world-class technical support and on-going service care throughout the generator's lifespan, wherever you may be in the world.

Our story

PEAK AND SCIEX

SCIEX, a global manufacturer of mass spectrometry solutions headquartered in Framingham, Massachusetts, has been working in conjunction with Peak Scientific for well over a decade. A relationship which began in 2000 with the production of the NM20ZA generator, to meet the demands of all SCIEX systems up to and including the API4000 at that time. SCIEX have tested and approved all models of Peak Scientific generators which complement the full range of SCIEX systems.

DEDICATED GAS SOLUTION

Product Managers and Engineers from both organizations are in constant contact throughout the New Product Development process to ensure Peak's products can meet and exceed the specific gas requirements of SCIEX's range of LC-MS solutions.

In most cases, there is a dedicated Peak Scientific gas generator for whatever SCIEX LC-MS system you may have, purposely built to match the most efficient operating standards of each product.



Our story

MANUFACTURING EXCELLENCE



Our products are the result of our meticulous Research and Development culture developed over nearly two decades of being at the forefront of the gas generator market. We pride ourselves in the utmost care taken to assess specific application needs prior to designing and rigorously testing new products.

As we have expanded, so have our R&D capabilities, both technically and in terms of know-how, to the point where we are better equipped than ever to meet changing market demands. Implementing the latest manufacturing technologies and philosophies ensures that Peak continues to improve product quality, responsiveness and efficiency – all resulting in a better value proposition for our customers.

Operating from our ISO 9001 accredited manufacturing center of excellence in the UK every Peak Scientific generator is designed and independently tested to ensure compliance with all applicable safety standards.

Our story

PEAK PERFORMERS: OUR WORLD-CLASS PRODUCT PLATFORMS

Three distinct product series define our core offering to supply SCIEX mass spectrometer systems. Our best-selling Genius Series, designed mainly for LC-MS applications, is a self-contained system featuring integrated compressors, delivering laboratory-grade nitrogen at various pressures and flow rates. Specifically designated for SCIEX systems in the Genius Series are the 1024, AB3G, 3030 and 3031.

The Infinity Series of nitrogen gas generators are silent-running compressor-free systems for laboratories with an in-house supply of clean, dry air - delivering nitrogen at a wide range of flow rates including high-flow for more gas hungry applications or supplying multiple mass-spec instruments. The Infinity 1031 has been engineered in standard and hi-flow versions to effortlessly handle varying flow requirements. Peak also produces the space-saving compressor-less MS Table for laboratories using SCIEX systems.

For very high-flow, high demand needs, our innovative Pressure Swing Adsorption based i-FlowLab technology is designed to meet the full and total demand for nitrogen gas a facility may have, all in one expandable installed solution.



Application Matrix

Application	Built in compressor	No Compressor
X500 Series QTOF TripleTOF® 6600 6500+ Series 6500 Series TripleTOF® 5600+ 5500 series	Genius 1024	Infinity 1031
TripleTOF® 4600 4500 Series API 4000 Series API 3200 Series Triple Quad 3500	Genius 1024 or Genius AB-3G*	
3200 MD	Genius NM-3G	Infinity NM32L
4500 MD and Topaz® System	Genius AB-3G Hi-Flow	Infinity 1031 Hi-Flow

Note:

Some SCIEX models may be supplied with nitrogen gas only, please see the relevant site guide for additional details.

For SCIEX models API5500, API4500 and the Triple TOF 5600, SCIEX recommend only Zero Grade Air to be used for SOURCE GAS (Gas 1/Gas 2) when operating a Nanospray Ion Source. When using UHP N2 with this ion source, there is an increased risk of corona discharge, which can damage the emitter tip. However; if customer is using the DuoSpray™ or Turbo V™ or PhotoSpray ion source, they can still use UHP N2 for Gas 1 and Gas 2.

* AB-3G option is also available for these products. Suitable for use in critical applications or remote locations, the AB-3G has additional compressor capacity to ensure continuous operation, in unlikely event of compressor failure.



“The instrument is quiet and provides high quality gas for our LC/MS system.”

Cindy Li, B. Braun Medical Inc., Sheffield, UK

Product

Genius 1024

DESCRIPTION

Designed exclusively for SCIEX applications, the Genius 1024 provides a compact single source gas solution for all SCIEX LC-MS systems (excluding MD).

The Genius 1024 is built around the trusted and proven technology of Peak Scientific's Genius series of generators. Designed mainly for LC-MS applications, these are self-contained systems featuring integrated compressors, delivering laboratory-grade nitrogen at various pressures and flow rates required by numerous instruments.

Features

Delivers nitrogen as curtain gas and dry air as source and exhaust gas at flow rates suitable for all single LC-MS systems (excluding MD).

Developed specifically for SCIEX LC-MS systems

Compressor based solution, no need for an external air supply

Service indication to allow planning of preventative maintenance

Minimal set-up required

Highly economical source of nitrogen gas with low lifetime running costs

Gas is supplied on demand so works to your schedule



Product	Flow Rate	Gas Output	Pressure	Size (HxWxD)	Application
Genius 1024	19 L/min	Nitrogen	65 psi / 4.5bar	713 x 600 x 750 mm 28.1 x 23.6 x 29.5"	Single SCIEX LC-MS (excluding MD)
	26 L/min	Dry Air	100 psi / 6.9 bar		
	25 L/min	Dry Air	60 psi / 4.1 bar		

Product

Genius AB-3G

DESCRIPTION

The AB-3G has been designed to operate to the exact requirements of several SCIEX LC-MS systems. A three gas system, the AB-3G provides nitrogen curtain gas, dry air source gas and dry air exhaust gas and benefits from robust integrated compressors, making it a complete standalone solution.

Features

Additional compressor capacity to ensure continuous operation in unlikely event of one compressor failure

Engineered specifically for SCIEX systems

Built to ensure uninterrupted supply of gas for applications

Advanced alarms in the unlikely event of product issues

Generator has the capacity to self-diagnose and inform when maintenance is required

Minimal set-up required

Highly economical source of nitrogen gas with low lifetime running costs



Product	Flow Rate	Gas Output	Pressure	Size (HxWxD)	Application
Genius AB-3G	12 L/min 24 L/min 8 L/min	Nitrogen Dry Air Dry Air	80 psi / 5.5bar 110 psi / 7.6 bar 60 psi / 4.1 bar	753 x 600 x 730 mm 29.6 x 23.6 x 28.7"	For use with the SCIEX Range of LC-MS systems, up to and including the TripleTOF 4600.

Product

Genius 3030

DESCRIPTION

The Genius 3030 has been designed to supply curtain, source & exhaust gases for selected SCIEX LC-MS systems. This generator has two outlets for each of the three gases supplied, allowing two SCIEX LC-MS systems to be comfortably run using one Genius 3030.

Features

Curtain, source and exhaust gas all in one unit

Two outlets for each gas supplies two SCIEX LC-MS

Compressor based solution, no need for an external air supply

Highly economical source of nitrogen gas with low lifetime running costs

The latest generation of compressors located in a insulated chamber reducing noise and vibration

Service indication to allow planning of preventative maintenance

Gas is supplied on demand so generator works to your schedule



Product	Flow Rate	Gas Output	Pressure	Size (HxWxD)	Application
Genius 3030	2 x 12 L/min 2 x 24 L/min 2 x 8 L/min	Nitrogen Dry Air Dry Air	80 psi / 5.5bar 110 psi / 7.6 bar 60 psi / 4.1 bar	1322 x 600 x 850 mm 52.0 x 23.6 x 33.5"	Developed to supply two SCIEX LC-MS systems, up to and including TripleTOF® 4600 and 4500 series with independent control.

Product

Genius NM-3G

DESCRIPTION

Engineered specifically for critical applications requiring maximum uptime, the NM-3G on-site nitrogen gas generation system is guaranteed to perform at all times.

For such mission-critical applications, the NM-3G possesses a variety of extra precautionary features, including highly robust integrated compressors with additional load capacity, self-diagnostics and an alarm system to notify of any performance issue.

Features

Additional compressor capacity to ensure continuous operation in unlikely event of one compressor failure

Built to ensure uninterrupted supply of gas for clinical applications

Advanced alarms in the unlikely event of product issues

Minimal set-up required

Generator has the capacity to self-diagnose to inform when maintenance is required

Highly economical source of nitrogen gas with low lifetime running costs

Gas is supplied on demand so generator works to your schedule

Compressors are housed in an insulated compartment to reduce noise and vibration

12 month comprehensive on-site warranty



Product	Flow Rate	Gas Output	Pressure	Size (HxWxD)	Application
Genius NM-3G	32 L/min	Nitrogen	100 psi / 6.9bar	753 x 250 x 730 mm 29.6 x 9.8 x 28.7"	32 L/min Nitrogen (with fail-safe) for mission critical clinical applications



Product

Infinity 1031

DESCRIPTION

Membrane technology is at the heart of the Infinity range, generating high purity nitrogen on-site to users with an existing air supply. With the ability to perform at its maximum, 24 hours a day, and minimum maintenance requirements, the Infinity range offers a durable, hassle-free solution for SCIEX LC-MS systems.

Features

Capable of supplying most Sciex LC-MS systems

24/7 operation at optimum performance

Gas is supplied on demand so generator works to your schedule

Few moving parts means little maintenance required and ensures long life of the generator

Minimal set-up required

Completely silent in operation

12 month comprehensive on-site warranty



Product	Flow Rate	Gas Output	Pressure	Size (HxWxD)	Application
Infinity 1031	19 L/min 26 L/min 25 L/min	Nitrogen Dry Air Dry Air	65 psi / 4.5bar 110 psi / 7.6 bar 60 psi / 4.1 bar	760 x 365 x 200 mm 29.9 x 14.4 x 7.9"	1 x SCIEX LC-MS
Infinity 1032	38 L/min 52 L/min 50 L/min	Nitrogen Dry Air Dry Air	65 psi / 4.5bar 110 psi / 7.6 bar 60 psi / 4.1 bar	730 x 423 x 250 mm 28.7 x 16.7 x 9.8"	2 x SCIEX LC-MS
Infinity 1033	57 L/min 78 L/min 75 L/min	Nitrogen Dry Air Dry Air	65 psi / 4.5bar 110 psi / 7.6 bar 60 psi / 4.1 bar	730 x 423 x 250 mm 28.7 x 16.7 x 9.8"	3 x SCIEX LC-MS
Infinity 1034	76 L/min 104 L/min 100 L/min	Nitrogen Dry Air Dry Air	65 psi / 4.5bar 110 psi / 7.6 bar 60 psi / 4.1 bar	960 x 365 x 250 mm 37.8 x 14.4 x 9.8"	4 x SCIEX LC-MS

Product

Infinity 1031 Hi Flow

DESCRIPTION

Membrane technology is at the heart of the Infinity 1031 Hi-Flow generator delivering one output of laboratory-grade nitrogen, and two dry air outputs, the Infinity 1031 Hi-Flow generator is a durable, hassle-free solution for SCIEX LC-MS systems. The choice of Infinity model will depend on the application, with different gas flows defining the differing models. Peak Scientific's Infinity Series generator has been engineered to specifically for laboratories which already have an external source of clean, dry air (we can provide assistance on external compressors or pre-filtration systems as part of an Infinity gas generation solution). These systems contain no moving parts, are effectively silent whilst in operation and require minimal maintenance.

Features

Capable of supplying multiple SCIEX LC-MS systems

24/7 operation at optimum performance if required

Gas is supplied on demand so generator works to your schedule

Few moving parts means little maintenance required and ensures long life of the generator

Minimal set-up required

Completely silent in operation

12 month comprehensive on-site warranty



Product	Flow Rate	Gas Output	Pressure	Size (HxWxD)	Application
Infinity 1031 Hi Flow	10 L/min 22 L/min 10 L/min	Nitrogen Dry Air Dry Air	65psi / 4.5 bar 110 psi / 7.6 bar 60 psi / 4.1 bar	760 x 365 x 200 mm 29.9 x 14.4 x 7.9"	Suitable for 4500MD and Topaz® System

Product

SCIEX Table

DESCRIPTION

The MS tables have been designed as an SCIEX exclusive SCIEX product with 3 versions to accommodate all SCIEX LC-MS configurations, excluding the X500 series. The MS table comes in a standard and premium form, the premium version including an inbuilt Infinity 1031, or 1031 Hi-flow for MD instruments, supplying of curtain, source and exhaust gases. Furthermore, the MS Table also functions as a sound proof enclosure for the required vacuum pumps for these applications.

Features

Table designed to hold SCIEX Mass Spectrometer

Can be supplied on its own or with an integrated gas generator

Reduced lab footprint

Minimal set-up required

Sound proofed reducing noise of generator



Product	Flow Rate	Gas Output	Pressure	Size (HxWxD)	Application
SCIEX Table 1N	19 L/min 26 L/min 25 L/min	Nitrogen Dry Air Dry Air	65psi / 4.5 bar 110 psi / 7.6 bar 60 psi / 4.1 bar	1000 x 830 x 804 mm 39.4 x 32.7 x 31.7"	Suitable for all SCIEX LC-MS excluding X500 Series and MD
SCIEX Table 2N Hi-flow	10 L/min 22 L/min 10 L/min	Nitrogen Dry Air Dry Air	65psi / 4.5 bar 110 psi / 7.6 bar 60 psi / 4.1 bar	1000 x 830 x 804 mm 39.4 x 32.7 x 31.7"	Suitable for 4500MD
SCIEX Table 1B	N/A	N/A	N/A	1000 x 830 x 804 mm 39.4 x 32.7 x 31.7"	Suitable for all SCIEX LC-MS excluding X500 Series and MD

Peak Protected

Safeguard your laboratory workflow with [**PEAK** Protected]TM

Servicing any equipment in your lab should not be seen as just an option, it should be treated as a necessity. With many moving parts and wear & tear, especially where generators feature integrated compressors, as well as filters and other 'consumables', a gas generator needs to be maintained regularly to continue to perform at its best for many years.

Here at Peak we see your gas generator as the beating heart of your laboratory, enabling your analytical instruments to perform and achieve the results you need. With this being the case it is extremely important you look after your 'beating heart' to ensure the best possible results.

We offer a range of **[Peak Protected]** services to suit your particular needs.



Premium Plan

Complete maintenance care with 24 hour rapid response breakdown cover



Complete Plan

Complete maintenance care with guaranteed response time breakdown cover



Fixed Price PM

Preventative maintenance carried out by an expert Peak engineer at a time that suits you



Supported Plan

Preventative maintenance support specifically for compressor-less generators



Paid Repairs

On-site repairs carried out by a certified Peak FSE in case of a breakdown



Replacement Parts

Genuine Peak parts with express delivery, ensuring optimal performance and lifetime



Installation

Trained Peak FSE will visit to install and commission your generator



IQ/OQ

Certified assurance for applications requiring documented qualification



Support Hotline

Around the clock support by phone or online with our global technical helpdesk

Not all warranties are equal.

What differentiates Peak from other gas generator manufacturers is that a Peak gas generator comes with a truly comprehensive on-site warranty. This means that in the unlikely event that your gas generator develops a problem, we will send a Peak Certified Field Service Engineer to your laboratory to try to resolve the issue on-site and get you back up and running with minimal fuss and disruption.

What's more, when we say fully-comprehensive, we mean it. Every part of your generator is covered during warranty. While other manufacturer warranties may only cover certain components or require the return of your generator to the factory for repair, leaving you without gas for weeks or even months, our warranty is designed to give you complete peace of mind.

To find out more about our unique warranty, visit www.peakscientific.com/warranty

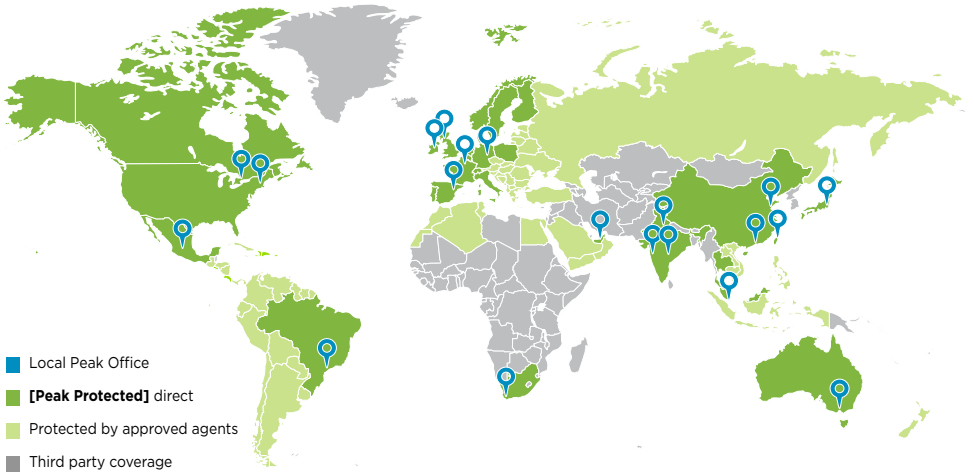
Our Brand Promise

Our priority is your **complete** **satisfaction**

Our commitment is to provide you with a reliable gas generation solution that adds value to your workflow. We achieve this through robust product engineering, our unique comprehensive 'repair or replace' warranty, and a global on-site maintenance service that is unmatched in our industry.

Our priority is your complete satisfaction. By taking due care of your gas flow, we give you peace of mind and enable you to focus on your workflow. This is the Peak Promise.

Your local **gas generation** partner



Peak Scientific has highly trained, fully certified Field Service Engineers located in over 20 countries across every continent around the world. This allows us to provide an industry-leading rapid response service to our customers. With **[Peak Protected]**, your laboratory's productivity becomes our top priority.

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