Gas Generators
AB Sciex Range

AB SCIEX

PEAK SCIENTIFIC

Introducing *PEAK*

Over the years our dynamic company has stimulated Peak design engineers into some remarkable developments in manufacturing Laboratory Gas Generators.

These clever people have not only greatly improved the performance of our new Gas Generators, but have further ensured that our well-established and well-loved products can stand the test of time.

Smoother, quieter and more efficient than anything on the market, our Laboratory Gas Generators offer superb technical performance in the lab and, of course, our world-class after sales service comes as standard.

Some things are very difficult to improve!

Product Application Matrix

		PEAK Solution
API 100/ 150/ 165 API 300/ 365 API 2000/3000 API 3000/3200 QTRAP API 4000/4500 QTRAP QTRAP API 5000	No compressor	**1 System:** Infinity 1031
	Built in compressor	**1 System:** Genius ABN2ZA, Genius AB3G
		2 Systems: Genius 3030
Triple Quad 4500/QTRAP 4500 Triple Quad 5500/QTRAP 5500	No compressor	**1 System:** Infinity 1031, AB Sciex Table 1B
	Built in compressor	**1 System:** Genius ABN2ZA, Genius AB3G, AB Sciex Table 1N
		2 Systems: Genius 3030
Colour Triple Quad 5500/QTRAP 5500 Triple Quad 5500/QTRAP 5500 *With SelexION Triple Quad 6500/QTRAP 6500	No compressor	**1 System:** Infinity 1031, AB Sciex Table 1B
	Built in compressor	**1 System:** Genius 3031, AB Sciex Table 1N
QSTARs TripleTOF 4600 TripleTOF 5600/ 5600+ TripleTOF 5600+ *With SelexION	No compressor	**1 System:** Infinity 1031
	Built in compressor	**1 System:** Genius ABN2ZA, Genius AB3G
		2 Systems: Genius 3030
3200MD	No compressor	**1 System:** Infinity 1031
	Built in compressor	**1 System:** Genius NM3G
IVD MS Analyzer	No compressor	**1 System:** Infinity 1031 Hi Flow, AB Sciex Table 1B
	Built in compressor	**1 System:** Genius AB3G Hi Flow, AB Sciex Table 1N Hi Flow

Gas requirements for three or more instruments, please contact Peak directly.

Product Features & Benefits

Genius Gas Generators

// All in one unit -
Integrated compressors mean that you have Gas on Demand with generators tailored to your instruments requirements

// Intelligent -
High duty and service indicator

// Mobile -
Flexibility to position where required, the generator is supplied with caster wheels for easy mobility

Infinity Gas Generators

// Single Source Solution -

One generator can cater for the requirements of multiple applications and multiple laboratories on site

// Quiet -

Completely silent in operation

// Space Saving -

Single source application generators are wall mountable

All Peak Nitrogen Gas Generators

// Simple Installation -
Generator is designed as a plug and play system

// Economical -
More cost effective than any other gas supply method

// Convenient -
Gas on demand, no hazards, no need to worry about running out of gas

// Space Saving -

Flexibility to position generator where required

// Eco-Friendly –
Onsite gas generation considerably reduces your carbon footprint

// Experience –
Preferred choice supplier of many instruments manufacturers

Service Plans

Our Service and Support Team is known for its excellence.

Working in partnership with AB Sciex Scientific, we are there for you, wherever you are, ensuring maximum uptime of your Peak Scientific Generator.

Our generators are expertly designed and rarely need attention; however, to maintain optimum performance, regular maintenance is essential.

Choosing Peak's service team ensures:

- Specially trained 'Peak employed' service engineers
- Worldwide support
- 72 hour response time
- Dedicated technical support
- NO third party service

No doubt, in your lab you already have enough to worry about, so just take it easy. Relax. It's time to let us take the strain and ensure that your generator offers 'peak' performance throughout its lifetime with a Peak Scientific Service Plan.

	Standard	Complete
PM Visits		
- Call out, labour, travel	✓	✓
- Service Parts	✓	✓
- Function Check	✓	✓
- Additional Spare Parts (if required)	×	✓
- Compressor Refits / Replacements (if applicable)	×	✓
Breakdowns		
- Call out, labour, travel	×	✓
- Spare Parts	×	✓
- Full Breakdown Cover	×	✓
- All on-site breakdown visits included	×	✓
Guaranteed Response Time	×	✓
System Upgrades (if applicable)	×	✓
Flexible Payment	×	✓

Nitrogen Generator Genius AB3G

The Genius AB3G Nitrogen Generator is designed for use with the full range of AB SCIEX LC/MS instruments, including the Triple TOF® 5600 System. This premium model offers advanced diagnostic technology that includes a fail safe system that will allow an uninterrupted supply of gas.

Technical Specifications	Curtain Gas (Nitrogen)	Source Gas (Dry Air)	Exhaust Gas (Dry Air)
Max Flow Rate	12 L/min	24 L/min	8 L/min
Max Pressure	80psi / 5.52 bar	110 psi / 7.58 bar	60 psi / 4.14 bar
Dew Point	Approved for AB Sciex instruments		
Purity	-40°C / 40°F	-20°C / -4°F	-20°C / -4°F
Phthalates	None		
Suspended Liquids	None		
Start-Up Time For Purity	30 mins		
Operating Temperature	5°C - 30°C / 41°F - 86°F		
Electrical Requirements	230v 50/60Hz 9.6A		
Power Consumption	2208 watts		
Heat Output	7534 BTU		
Generator Dimensions	90 x 73 x 75.3 / 35.4 x 28.7 x 29.6		
Generator Weight (kg/ lbs)	145 / 319		
Noise Level (@ 1m)	54 dB		

Peak Part No.	**10-6020**
AB Sciex Part No.	**4453690**

“These generators are a completely new design in terms of engineering and end user benefits.”

www.peakscientific.com

Nitrogen Generator Genius ABN2ZA

The Genius ABN2ZA Nitrogen Generator is designed for use with the full range of AB SCIEX LC/MS instruments, up to and including the Triple TOF® 5600 System.

Technical Specifications	Curtain Gas (Nitrogen)	Source Gas (Dry Air)	Exhaust Gas (Dry Air)
Max Flow Rate	12 L/min	24 L/min	8 L/min
Max Pressure	80psi / 5.52 bar	110 psi / 7.58 bar	60 psi / 4.14 bar
Dew Point	Approved for AB Sciex instruments		
Purity	-40°C / 40°F	-20°C / -4°F	-20°C / -4°F
Phthalates	None		
Suspended Liquids	None		
Start-Up Time For Purity	30 mins		
Operating Temperature	5°C - 35°C / 41°F - 95°F		
Electrical Requirements	230v 50/60Hz 7.0A		
Power Consumption	1380 watts		
Heat Output	4708 BTU		
Generator Dimensions	60 x 75 x 71.2 / 23.6 x 29.5 x 28		
Generator Weight (kg/ lbs)	95 / 209		
Noise Level (@ 1m)	54 dB		

Peak Part No.	**10-6030**
Ab Sciex Part No.	**4453689**

“Innovative developments to our Nitrogen range make it unique to the marketplace.”

www.peakscientific.com

Nitrogen Generator **Genius 3030**

The Genius 3030 is specifically designed to supply Curtain, Source & Exhaust gases for two AB SCIEX LCMS instruments, whilst integrated quiet compressors make it independent from in-house air supplies.

Technical Specifications	Curtain Gas (Nitrogen)	Source Gas (Dry Air)	Exhaust Gas (Dry Air)
Max Flow Rate	2 x 12 L/min	2 x 24 L/min	2 x 8 L/min
Max Pressure	80psi / 5.52 bar	110 psi / 7.58 bar	60 psi / 4.14 bar
Dew Point	Approved for AB Sciex instruments		
Purity	-40°C / 40°F	-20°C / -4°F	-20°C / -4°F
Phthalates	None		
Suspended Liquids	None		
Start-Up Time For Purity	30 mins		
Operating Temperature	5°C - 35°C / 41°F - 95°F		
Electrical Requirements	230v 50/60Hz 12A		
Power Consumption	2990 watts		
Heat Output	10202 BTU		
Generator Dimensions	60 x 85 x 130.3 / 23.6 x 33.4 x 51.3		
Generator Weight (kg/ lbs)	196.5 / 433		
Noise Level (@ 1m)	54 dB		

Peak Part No.	**10-6330**
Ab Sciex Part No.	**8001133**

“We source robust, high performance parts to ensure safety and reliability in the lab.”

www.peakscientific.com

“Our facility in Scotland.
The heart of Peak
Scientific”

Nitrogen Generator **Genius 3031**

The Genius 3031 is specifically designed to supply curtain, source & exhaust gases at the higher flow required to support AB SCIEX instruments with SelexION™, whilst it's integrated quiet compressors make it independent from in-house air supplies.

Technical Specifications	Curtain Gas (Nitrogen)	Source Gas (Dry Air)	Exhaust Gas (Dry Air)
Max Flow Rate	18 L/min	26 L/min	25 L/min
Max Pressure	80psi / 5.52 bar	110 psi / 7.58 bar	70 psi / 4.8 bar
Dew Point	Approved for AB Sciex instruments		
Purity	-40°C / 40°F	-20°C / -4°F	-20°C / -4°F
Phthalates	None		
Suspended Liquids	None		
Start-Up Time For Purity	30 mins		
Operating Temperature	5°C - 35°C / 41°F - 95°F		
Electrical Requirements	230v 50/60Hz 12A		
Power Consumption	2760 watts		
Heat Output	9418 BTU		
Generator Dimensions	60 x 85 x 130.3 / 23.6 x 33.4 x 51.3		
Generator Weight (kg/ lbs)	196.5 / 433		
Noise Level (@ 1m)	54 dB		

Peak Part No.	**10-6331**
Ab Sciex Part No.	**4466091**

“...We have nothing to declare but our Genius.”

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Nitrogen Generator **Genius 3040**

The Genius 3040 is designed to supply one AB SCIEX LCMS system, up to and including the Triple TOF® 5600 System. In addition the Genius 3040 includes a separate 32L/min of LCMS grade Nitrogen available for a second LCMS instrument.

Technical Specifications	Curtain Gas (Nitrogen)	Source Gas (Dry Air)	Exhaust Gas (Dry Air)
Max Flow Rate (System 1)	12 L/min	24 L/min	8 L/min
Max Pressure (System 1)	80psi / 5.52 bar	110 psi / 7.58 bar	70 psi / 4.8 bar
Max Flow Rate (System 2)	32 L/min	-	-
Max Pressure (System 2)	100 psi / 6.9 bar	-	-
Dew Point	Approved for AB Sciex instruments		
Purity	-40°C / 40°F	-20°C / -4°F	-20°C / -4°F
Phthalates	None		
Suspended Liquids	None		
Start-Up Time For Purity	30 mins		
Operating Temperature	5°C - 35°C / 41°F - 95°F		
Electrical Requirements	230v 50/60Hz 12A		
Power Consumption	2760 watts		
Heat Output	9418 BTU		
Generator Dimensions	60 x 85 x 130.3 / 23.6 x 33.4 x 51.3		
Generator Weight (kg/ lbs)	196.5 / 433		
Noise Level (@ 1m)	54 dB		

Peak Part No.	10-6341
Ab Sciex Part No.	-

“We are proud to support advances in science with over 10,000 of our products in your laboratories”

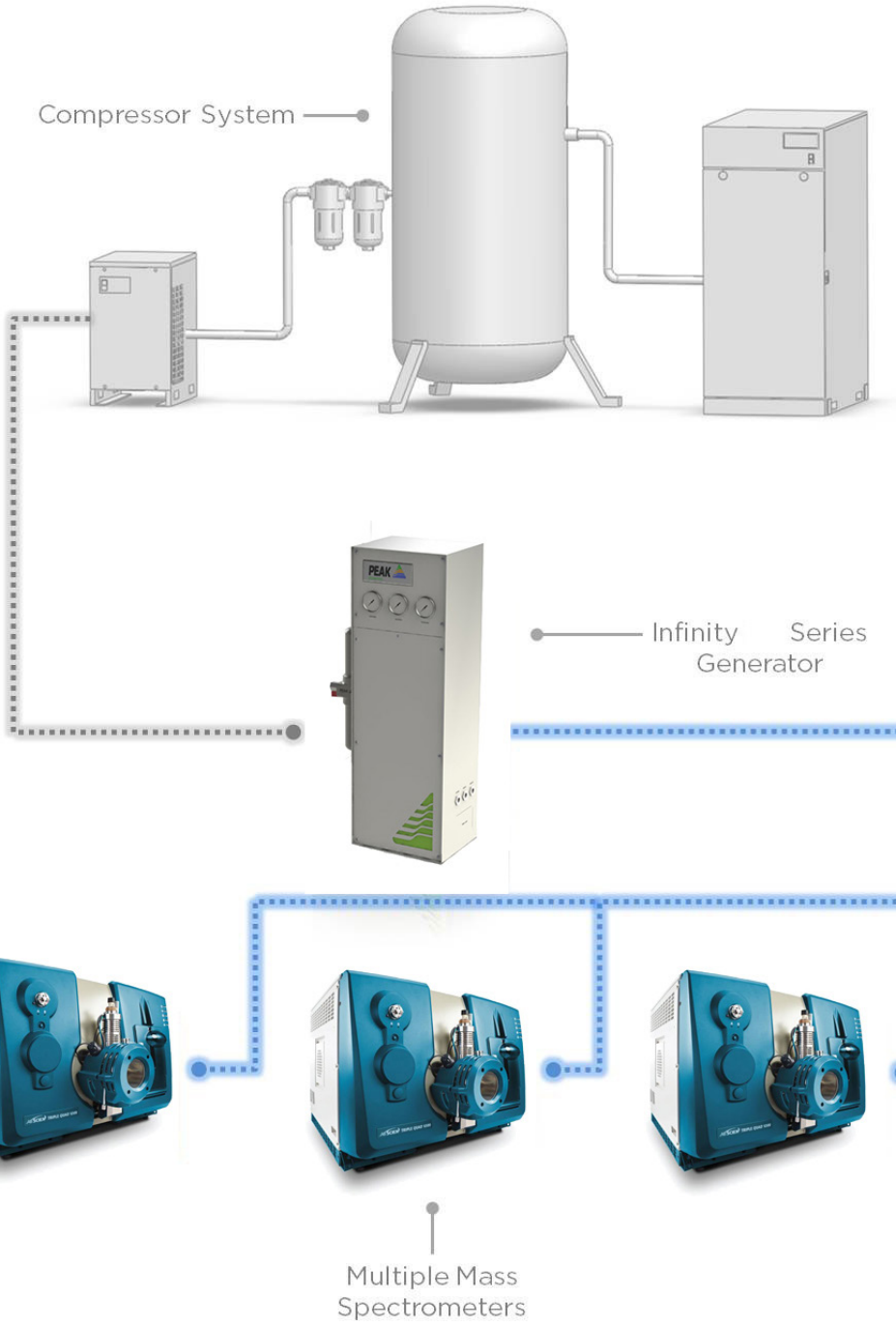
www.peakscientific.com

Multiple Labs require... a Total Solution!

The Infinity series requires an external source of air. If you have an application like this give us a call!

We can work with our regional compressor suppliers to provide a total solution supplying gas for 2 to 16 LC/MS instruments across multiple labs.

We'll even project manage the whole installation. So sit back, relax and let Peak take the strain!


Compressor System
PEAK
Infinity Series
Generator
Multiple Mass
Spectrometers

Nitrogen Generator **Infinity 1031 - 1034**

These Generators are designed to be connected to an existing air supply and can cater for the requirements of one or multiple AB SCIEX LCMS.

Technical Specifications	Infinity 1031	Infinity 1032	Infinity 1033	Infinity 1034
Max Flow Rate Curtain Gas (N2)	18 L/min	36 L/min	54 L/min	72 L/min
Max Pressure Curtain Gas (N2)	80 psi			
Max Flow Rate Source Gas (Dry Air)	26 L/min	52 L/min	78 L/min	104 L/min
Max Pressure Source Gas (Dry Air)	110 psi			
Max Flow Rate Exhaust Gas (Dry Air)	25 L/min	50 L/min	75 L/min	100 L/min
Max Pressure Exhaust Gas (Dry Air)	60 psi			
Purity	Approved for AB Sciex Instruments			
Dew Point	-40°C / 40°F			
Min / Max Air Inlet Pressure	125-145 psi / 8.6-10 bar			
Min Air Inlet Flow Rate	115 L/min	240 L/min	340 L/min	475 L/min
Min Inlet Air Quality	ISO8573-1:2010 Class 1.4.1			
Phthalates	None			
Suspended Liquids	None			
Start-UP Time for Purity	30 Mins			
Operating Temperature	5°C - 30°C / 41°F - 86°F			
Electrical Requirements	None			
Power Consumption	None			
Heat Output	None			
Dimensions (cm/ ins) WxDxH	25 x 20 x 76 10 x 8 x 30	31 x 25 x 73 12 x 10 x 29	31 x 25 x 73 12 x 10 x 29	25 x 25 x 96 10 x 10 x 37.8
Weight (kg/ lbs)	13 / 29	21 / 46	27 / 60	27 / 60
Noise Level (@ 1m)	10 dB			

Peak Part No.	13-1270	13-1272	13-1274	13-1276
AB Sciex Part No.	1012793	7233855	7356339	-

"Smoother, quieter and more efficient, our gas generators offer superb technical performance and our world-class after sales service comes as standard."

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AB Sciex Table 1B, 1N & 1N Hi Flow

The AB Sciex table is designed specifically to locate the AB SCIEX Triple Quad™, QTRAP™, or IVD MS systems. In addition to this the underneath of the table forms an 'easy access' sound proof enclosure for the associated vacuum pumps. The table is available in a standard form as well as with an integral gas generator, with the capacity to supply the system with full curtain, source and exhaust gases.

Technical Specifications	1B	1N	1N Hi Flow
Max Flow Rate Curtain Gas (N2)	N/A	18 L/min	10 L/min
Max Pressure Curtain Gas (N2)	N/A	80 psi / 5.5 bar	80 psi / 5.5 bar
Max Flow Rate Source Gas (Dry Air)	N/A	26 L/min	22 L/min
Max Pressure Source Gas (Dry Air)	N/A	110 psi / 7.6 bar	110 psi / 7.6 bar
Max Flow Rate Exhaust Gas (Dry Air)	N/A	25 L/min	10 L/min
Max Pressure Exhaust Gas (Dry Air)	N/A	60 psi / 4.1 bar	60 psi / 4.1 bar
Purity	Approved for AB Sciex Instruments		
Dew Point	-40°C / 40°F		
Min / Max Air Inlet Pressure	N/A	120-145 psi / 8.2-10 bar	
Min Air Inlet Flow Rate	N/A	115 l/min	
Min Inlet Air Quality	ISO8573-1:2010 Class 1.4.1		
Phthalates	None		
Suspended Liquids	None		
Start-UP Time FOr Purity	30 Mins		
Operating Temperature	5°C - 30°C / 41°F - 86°F		
Electrical Requirements	110-240 VAC, 50/60 Hz, 1 A		
Power Consumption	240 watts		
Heat Output	820 BTU		
Dimensions (cm/ ins) WxDxH	100 x 83 x 80.4 (39.4 x 32.6 x 31.6)		
Weight (kg/ lbs)	136 / 299.8	158 / 348.3	
Noise Level (@ 1m)	54 dB		

Peak Part No.	10-0001	10-0002	10-6355
AB Sciex No.	5019355	5019354	

“Our after sales service is world-class. Without fail our expert engineers fix problems first time.”

www.peakscientific.com

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