

Silent Nitrogen Generator for SCIEX LC-MS 12L/min 99.5% Purity

Our Product Introduction

for more products please visit us on nitrogengeneratorsystem.com

Basic Information

- Place of Origin: CHINA
- Brand Name: GASPU
- Certification: CE
- Model Number: MG
- Minimum Order Quantity: 1pcs
- Price: Negotiate
- Packaging Details: Carton
- Delivery Time: 25work days
- Payment Terms: T/T
- Supply Ability: 30pcs/month



Product Specification

- Name: Nitrogen Generator(MG Series)
- Capacity: 12l/min 60psig
- Purity: 99.5%
- Dry Air: 12L/min 60psig
- Size: 750*500*785
- Work Pressure: 4-8barg
- Power: 230V 50Hz 2.2kw
- Weight: 100kg
- Package: Carton Packaging
- Highlight: **Multi Gas small nitrogen generator ,
LCMS small nitrogen generator ,
Multi Gas lcms nitrogen generator**



Product Description

Multi Gas Small Nitrogen Generator SCIEX LCMS MG-AB 12L/min

Product Specifications

Attribute	Value
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Capacity	12L/min 60psig
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GASPU MG-AB Series Multi Gas Nitrogen Generator

Engineered explicitly for the demanding analytical environment of **AB SCIEX triple quadrupole LC-MS systems**, the GASPU MG-AB Series Multi Gas Nitrogen Generator revolutionizes laboratory gas supply. This innovative solution eliminates the constant hassle and cost associated with high-purity nitrogen cylinders and noisy compressors.

Designed for Peak Performance & Simplicity

GASPU developed the MG-AB Series with a singular focus: meeting the precise gas requirements of AB SCIEX instruments efficiently and reliably. It leverages **advanced nitrogen production technology integrated with lean manufacturing** to create a robust solution for **centralized gas supply**.

Key Features & Advantages

Absolute Silent Operation: Utilizing proprietary silent nitrogen production technology, the MG-AB operates with zero audible sound.

Zero Electrical Power Required: Harnesses energy from your incoming compressed air line for its core nitrogen generation process.

Centralized, Plug-and-Play Solution: Factory preset with exact pressure and flow rates required by AB SCIEX LC-MS systems.

Optimized for SCIEX LC-MS: Guarantees compatibility and reliable performance tailored to exact gas purity requirements.

ECO Energy-Saving Mode: Intelligent energy management reduces compressed air consumption.

Safe & Environmentally Friendly: Eliminates risks associated with high-pressure gas cylinders.

Technical Specifications

MODEL	MG-AB1	MG-AB2	MG-AB3	MG-AB4	COMMON SPECS
N₂ Output	12 L/min @ 60 PSI (4.1 Bar)	24 L/min @ 60 PSI (4.1 Bar)	36 L/min @ 60 PSI (4.1 Bar)	48 L/min @ 60 PSI (4.1 Bar)	Outlet Size: 3 * 1/4" BSPP
Dry Air Output	25 L/min @ 110 PSI (7.6 Bar)	50 L/min @ 110 PSI (7.6 Bar)	75 L/min @ 110 PSI (7.6 Bar)	100 L/min @ 110 PSI (7.6 Bar)	Power Requirement: N/A (Runs on compressed air)
Dry Air Exhaust	12 L/min @ 60 PSI (4.1 Bar)	24 L/min @ 60 PSI (4.1 Bar)	36 L/min @ 60 PSI (4.1 Bar)	48 L/min @ 60 PSI (4.1 Bar)	Noise Level: < 45 dB(A) (Effectively Silent)
					Dimensions (HxWxD): 820 x 520 x 320 mm
					Weight: 25-42 kg (Model dependent)
					Technology: PSA (Pressure Swing Adsorption)

Frequently Asked Questions

How does the MG-AB generate nitrogen without power?

It utilizes Pressure Swing Adsorption (PSA) technology powered solely by the compressed air supply. The air pressure drives the adsorption/desorption cycles within specialized molecular sieve beds that separate nitrogen from oxygen and other gases.

Is it really silent?

Yes. GASPU's advanced silent PSA technology ensures operation is exceptionally quiet (<45 dB(A)), typically quieter than ambient lab noise levels. You won't hear it running.

How do I know it will work with my specific AB SCIEX LC-MS?

The MG-AB Series is engineered specifically for AB SCIEX triple quad systems. Each unit is factory preset with the exact pressure and flow rates required. Ensure you select the model (MG-AB1 to AB4) matching the nitrogen flow demands of your instrument(s).

What purity nitrogen does it deliver?

The MG-AB consistently delivers nitrogen purity levels suitable for the demanding requirements of SCIEX LC-MS interfaces (nebulizer, curtain gas) - typically exceeding 95%+ purity as standard, sufficient for optimal instrument performance.

What maintenance is required?

Maintenance is minimal compared to compressors or cylinder handling. The primary consumables are inlet coalescing filters and particulate filters protecting the molecular sieve beds. Replacement schedules depend on compressed air quality and usage but are typically annual or bi-annual.



Elevate Your Lab Efficiency Today

The GASPU MG-AB Series Multi Gas Nitrogen Generator is the intelligent, reliable, and **utterly silent solution** for freeing your AB SCIEX LC-MS lab from the constraints and costs of cylinders and noisy compressors. Experience the benefits of **centralized, plug-and-play gas supply** designed specifically for peak instrument performance.



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