

Especially suitable for laboratories with 1 or 2 LCMS/MS

 **SCIWAY**

SMART GAS CHOICE IN THE NEW ERA

SCIWAY X-SERIES NITROGEN GENERATOR

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» HIGHLIGHTS

Applicable to LCMS/MS of different brands and models

- The X series is specially developed for LCMS/MS to meet the gas demand of different models of mass spectrometers from SCIEX, Waters, Agilent, Thermo Fisher, Shimadzu, Bruker, Perkin Elmer, etc.

All parts integrated into one instrument

- All parts are built into the case, simply plugging in to work. Easy to move around, install and use.

Small enough to be placed under the bench

- Less than 27 inches in height, easily placed under the bench, saving laboratory space.

Working status monitoring

- Real time monitoring of instrument operation status.
- Temperature alarm, pressure alarm, pipe water alarm, maintenance reminder.

Unique Features:

Multi-Stage Dehydration and Droplet Detection Alarm: This innovative feature prevents droplets from entering and potentially damaging sensitive mass spectrometers.

Adaptive Fan Speed Control: Automatically adjusts based on system load, ensuring optimal efficiency while keeping noise levels as low as possible.

Heat Recovery for Enhanced Purity and Efficiency: Our unique heat recovery system improves nitrogen purity and operational efficiency, a distinct advantage of our technology, with a patent pending.

Easy Maintenance:

Basic filter replacement requires no tools and can be completed in just 15 minutes!



»» NITROGEN GENERATOR VS CYLINDER

Advantages of X series nitrogen generators compared with steel cylinders and liquid nitrogen tanks



X series nitrogen generators



Liquid nitrogen tank/nitrogen cylinder

- | | | | | |
|---|---|-------------|---|--|
| Plug in to supply gas 24/7 after installation | ✓ | Convenience | ✗ | Always keep an eye on the remaining gas volume. Once gas exhausted, workflow has to be stopped |
| Movable | ✓ | Movability | ✗ | To be replaced and transported regularly. A cart is needed for transporting a 160L liquid nitrogen tank weighing 300kg |
| Multiple noise reduction technology, low noise | ✓ | Noise | ✗ | Sudden loud noise when the gas is released periodically |
| Can be placed under the bench | ✓ | Space | ✗ | The cylinder needs to be fixed upright, taking up large space |
| The safety hazard is minimal
Passed the CE certification | ✓ | Safety | ✗ | Frequent replacement and transportation |
| One-time equipment costs, replacement of filter, maintenance, and electricity costs | ✓ | Costs | ✗ | Continuous payment of equipment rental, transportation, and nitrogen costs |

»» TECHNICAL SPECIFICATIONS

X SERIES NITROGEN GENERATORS						
Model	X-ABN	X-ABNP	X-NG	X-NGP	X-DJ	X-P
Curtain gas	15L/min@60psi	26L/min@60psi	35 L/min@116psi	60 L/min@116psi	25L/min@100psi	16L/min@80psi
Source gas	25 L/min@110psi	25 L/min@110psi	/	/	34L/min@110psi	70L/min@110psi
Exhaust gas	22L/min@60psi	26L/min@60psi	/	/	/	/
Dimensions(W*L*H)	55*76*69 cm (W x D x H)					

Power requirement

- Voltage: 220 VAC ± 10%
- Frequency: 50/60 Hz
- Electric current: 10A
- Power: 2.2kW

Other parameter

- Weight: 105KG-150KG
- Dimensions (W×D×H): 552*760*690 mm
(Dimensions vary between series)
- Noise: ≤55 dB @1m

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As a professional laboratory nitrogen generator and automation products supplier, Shanghai Sciway Scientific, Ltd has developed a series of mass spectrometer nitrogen generators based on serving customer demand. We offer tailored nitrogen generation solutions that satisfy varying requirements from our customers. Sciway has been striving for the high quality of its products. After years of development, Sciway has formed an excellent quality control system, and has successively obtained a number of qualification certificates such as Chinese high-tech enterprise certification and ISO 9001 certification. While addressing your existing needs, Sciway is committed to solve your issues proactively and developing a comprehensive prevention solutions. With professional technical support, we are ready to provide you with better, faster and more considerate services.

More than 5,000 customers across China have chosen Sciway, and we are proud of it! We regard this as a starting point, and customer satisfaction is our permanent pursuit!

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