Nitrogen Gas Generator - Laboratory N2 Generator for GC - 300/500 mL/min - 99.995% Purity

Model **MSN2G-300SWISS, MSN2G-500SWISS** | Brand **Master Science**





The Master Science Nitrogen Gas Generator produces high-purity nitrogen from compressed air. Connect the air supply at 0.45 MPa, switch on, and the unit delivers nitrogen at 0.4 MPa with 99.995% purity.

KEY HIGHLIGHTS

- Carrier gas without cylinders
- Steady supply
- Long cell life
- Safe on power loss
- Dry gas lines

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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Overview

It comes in two sizes, 0 to 300 mL/min and 0 to 500 mL/min. Pressure and flow are displayed automatically, and the output follows the demand of the connected instrument without manual adjustment.

Key Benefits

Carrier gas without cylinders
the Master Science Nitrogen Gas Generator works from a compressed air line.

Steady supply
automatic constant pressure and flow.

Long cell life
large electrolysis area and low cell temperature.

Safe on power loss
gas path closes automatically.

Dry gas lines
liquid-proof device prevents backflow.

Hydrogen for the same instrument comes from the Master Science hydrogen gas generator.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSN2G-300SWISS, MSN2G-500SWISS
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SKU	MSN2G-300SWISS, MSN2G-500SWISS
Input Pressure (compressed air)	0.45 MPa
Gas Purity	99.995%

DISPLAY & DATA	
Output Flow	0-300 mL/min / 0-500 mL/min
Output Pressure	0.4 MPa

POWER	
Input Power	80 W / 150 W
Gas left flowing after a power cut	automatic shut-off of the gas path.

DIMENSIONS & WEIGHT	
External Dimensions (W×D×H)	310 × 200 × 370 mm
Package Dimensions (W×D×H)	440 × 320 × 500 mm
Gross Weight	11.2 kg

COMMON PROBLEMS AND HOW THIS GENERATOR HELPS	
Common Problems and How This Generator Helps	How the Master Science Nitrogen Gas Generator simplifies nitrogen supply:
Cylinder changes interrupting analysis	continuous on-site generation.
Pressure drift as a cylinder empties	automatic constant pressure.
Liquid reaching the instrument	liquid-proof device.

Applications

The Master Science Nitrogen Gas Generator is used for
Nitrogen supply for gas chromatography Laboratories replacing nitrogen cylinders Instruments needing a continuous nitrogen supply

Operation

- Starts when air is connected and power is on
- Automatic pressure and flow display
- Flow adjusts to consumption

Design

- Electrolytic cell with large electrolysis area
- Low cell temperature for long service life
- Automatic emptying

Safety

- Liquid-proof device
- Gas path closes automatically at power failure