Hydrogen Gas Generator - Laboratory H2 Generator for GC - 300/500 mL/min - 99.999% Purity

Model **MSH2G-300SWISS, MSH2G-500SWISS** | Brand **Master Science**





The Master Science Hydrogen Gas Generator makes high-purity hydrogen from pure water by electrolysis. Switching on the power starts gas production, and the only routine task is topping up the water.

KEY HIGHLIGHTS

- No cylinders to handle
- Consistent output
- Hands-off running
- Minimal upkeep
- Protected instrument

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

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Overview

Two sizes deliver 0 to 300 mL/min or 0 to 500 mL/min at 0.3 MPa with 99.999% purity. Pressure and flow are shown on the front panel, and output adjusts automatically to the amount the connected instrument draws.

Key Benefits

No cylinders to handle
the Master Science Hydrogen Gas Generator makes gas on demand at the bench.

Consistent output
purity and flow do not decay with long-term use.

Hands-off running
automatic constant pressure and flow.

Minimal upkeep
add pure water periodically.

Protected instrument
anti-return device stops liquid backflow.

It pairs with the Master Science gas chromatograph with EPC.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSH2G-300SWISS, MSH2G-500SWISS
SKU	MSH2G-300SWISS, MSH2G-500SWISS
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SKU	MSH2G-300SWISS, MSH2G-500SWISS
Gas Purity	99.999%
Input Power	150 W / 300 W

DISPLAY & DATA	
Output Flow	0-300 mL/min / 0-500 mL/min
Output Pressure	0.3 MPa

DIMENSIONS & WEIGHT	
External Dimensions (W×D×H)	310 × 200 × 370 mm
Package Dimensions (W×D×H)	430 × 310 × 480 mm
Gross Weight	11.2 kg

HOW THE MASTER SCIENCE HYDROGEN GAS GENERATOR SIMPLIFIES GAS SUPPLY	
Storing high-pressure hydrogen cylinders	gas generated as needed at 0.3 MPa.
Cylinders running out mid-sequence	continuous production from water.
Liquid carried into gas lines	anti-return device.
Manual pressure regulation	automatic constant pressure.

Applications

The Master Science Hydrogen Gas Generator is used for
Hydrogen supply for gas chromatography Laboratories replacing hydrogen cylinders Instruments needing high-purity hydrogen

Operation

- Starts producing hydrogen at power-on
- Pressure and flow displayed automatically
- Flow follows demand without manual adjustment

Performance

- High electrolysis efficiency
- Stable purity and flow over long service

Safety

- Sensitive safety devices
- Anti-return liquid device