# 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.

support@themsci.com
www.themsci.com

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