



SAFE AND EASY HYDROGEN GENERATION WITH THE H-GENIE® LITE



**ON-DEMAND
HYDROGEN
GENERATION**



**IMPROVED
SAFETY**



**WIDE CHEMICAL
SPACE FOR
SYNTHESIS**

UTILIZING OUR PATENTED, AWARD-WINNING TECHNOLOGY, HYDROGEN CAN BE GENERATED SAFELY IN A STANDARD LABORATORY FUME HOOD

NO CYLINDERS - NO PROBLEM

- 1-50 bar pressure
- 3.0/99.9% hydrogen purity
- Hydrogen gas flow rate up to 1 NL/min

IMPROVED SAFETY

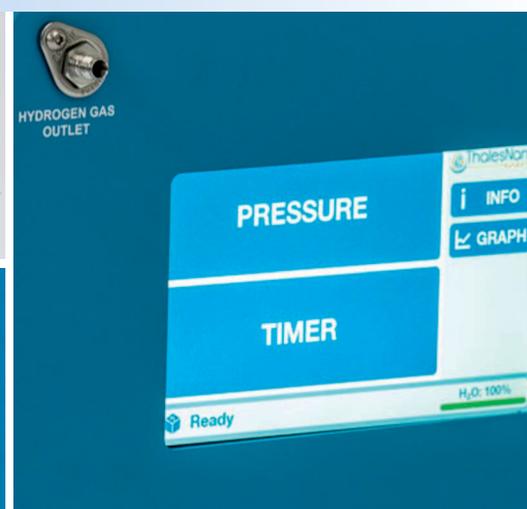
The H-Genie® Lite is the streamlined version of the R&D100 award winner H-Genie® compact hydrogen generator. Generating 3.0 purity hydrogen gas from water at up to 50 bar (725 psi) and flow rates up to 1 NL/min, it is the simplest and safest solutions for replacing hydrogen cylinders in your laboratory.

FEATURES

- Hydrogen generation from deionized water - no cylinders needed
- High pressure to expand your chemistry capabilities
- Simple setup and use: Click & go
- Compact footprint to save space
- Internal hydrogen detector for improved safety

TECHNICAL PARAMETERS

Hydrogen production rate	1 NL/min
Output pressure range	1-50 bar
Gas purity	≥ 99.9% (3.0 @RT)
Water purity	Deionized water with recommended purity of < 1 µS/cm
Water consumption rate	< 200 ml/hr
Water reservoir capacity	Internal: 3L
Recommended environment	Ventilated laboratory fume hood
Power requirements	Mains: 100V to 240V AC, 47-63Hz
Power consumption	Max. 1500 VA
Dimensions (H x W x D)	385 mm × 365 mm × 476 mm
Weight	33.7 kg
Outlet fitting	Swagelok tube fitting 1/8" stainless steel



For more information, please visit
www.thalesnano.com
[linkedin.com/company/thalesnano-inc/](https://www.linkedin.com/company/thalesnano-inc/)
twitter.com/thales_nano
[instagram.com/thalesnano_inc/](https://www.instagram.com/thalesnano_inc/)
[facebook.com/ThalesNano/](https://www.facebook.com/ThalesNano/)

ThalesNano Inc.
 Záhony utca 7. | H-1031 Budapest | Hungary
Phone: +36 1 880 8500
Fax: +36 1 880 8501
Email: sales@thalesnano.com
www.thalesnano.com

US Office
 50 S. Penn St. Suite B-2
 Hatboro PA. 19040
 USA
Phone: 215-534-3365
E-mail: USAsales@thalesnano.com

