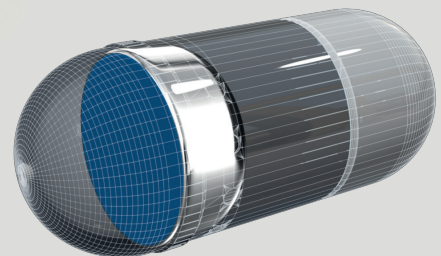


Hydrogen Gas Generating Cells
(H₂ Cells)

Empowering Independence for a Smart and High-Quality Life



<https://www.varta-ag.com/en/industry/product-solutions/hydrogen>



VARTA

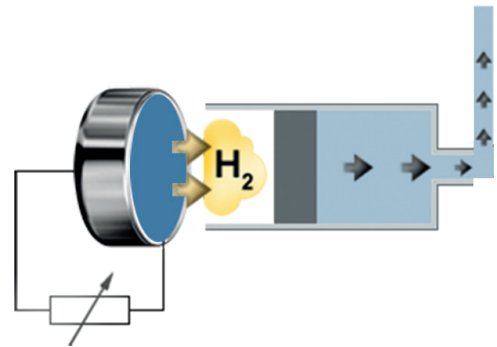
For the displacement of any kind of liquids, gels, pastes and granules and analytics or sensing with pure H₂ – VARTA's Hydrogen Gas Generating cells are the best choice.

Gas Generating Cells are safe, compact, portable and easy to handle. Only a resistor is necessary to activate the hydrogen production without any additional power source. Thus, the cell can be activated and stopped at any time.



How it works

- A power independent (energy self sufficient) small innovative „special cell“ from VARTA
- Cell can be activated by „short-circuiting“ simply with a resistor
- This special VARTA product starts to generate pure larger amounts of hydrogen (H₂)
- The amount of hydrogen gas output can be controlled with a potentiometer
- An innovative mini hydrogen gas generator = pressure source



Key features and benefits

- Mechanical energy reservoir and gas pressure source
- Rate of H₂ gas volume generated is proportional to discharge current (inversely proportional to discharge resistor)
- Gas pressure can be used to transport liquids, gels, pastes or granules
- High output of hydrogen (for dosing, displacement)
- Pure hydrogen (for analytics, sensing, leakage detection, ...)
- Operation over a wide temperature range
- Various assemblies possible
- Leading provider in this special electrochemical cell segment
- Over 30 years approved and reliable high quality gas generating cell production

Fields of applications

- Small innovative automatic dispensers
- Portable dosing solutions
- Easy short, medium or longterm drug delivery
- Intelligent packaging



- Scent dispenser

Industrial:

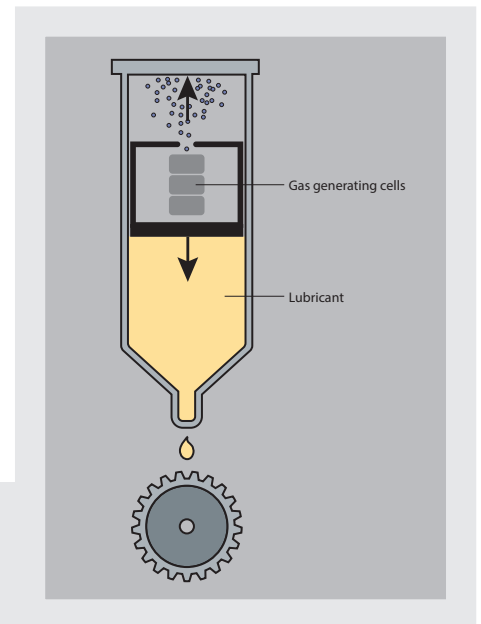
- Grease dispenser
- Leakage detection
- Portable dosing systems
- Mechanical movement
- Analytics

Consumer:

- Cosmetics
- Portable sanitizer

Medical:

- Smart pill
- Drug delivery system
- Wound management
- Packaging
- Animal health
- Use of pure hydrogen



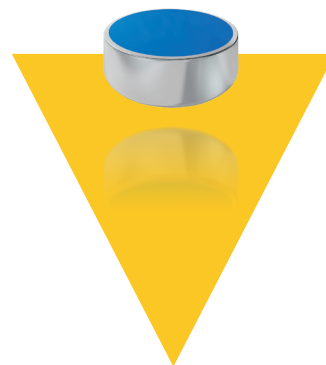
- Automatic lubricator

Product Overview

Hydrogen Gas Generating Cells (H₂ Cells)

ARTICLE DESIGNATION	ARTICLE NO.	GAS VOLUME (ml)	DIAMETER (mm)	HEIGHT (mm)	WEIGHT (g)
V 150 H ₂ MF	24690 101501	150	11.6	5.5	1.65
2/V 150 H ₂ MF	24690 302511	300	11.8	11.6	3.4
V 40 H ₂ MF*	24696 101501	40	7.8	5.5	0.85

* R&D Samples



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Representations and distributors in all major countries and regions worldwide.
Please see webpage.



www.varta-ag.com/youtube/li-ionµbatteries



<http://weixin.qq.com/r/OxNLUx7EkUPurVow90Yp>



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