



MyH2® SLIM

SLIM HYDROGEN STORAGE

H2 slim and smart metal hydrides
storage system

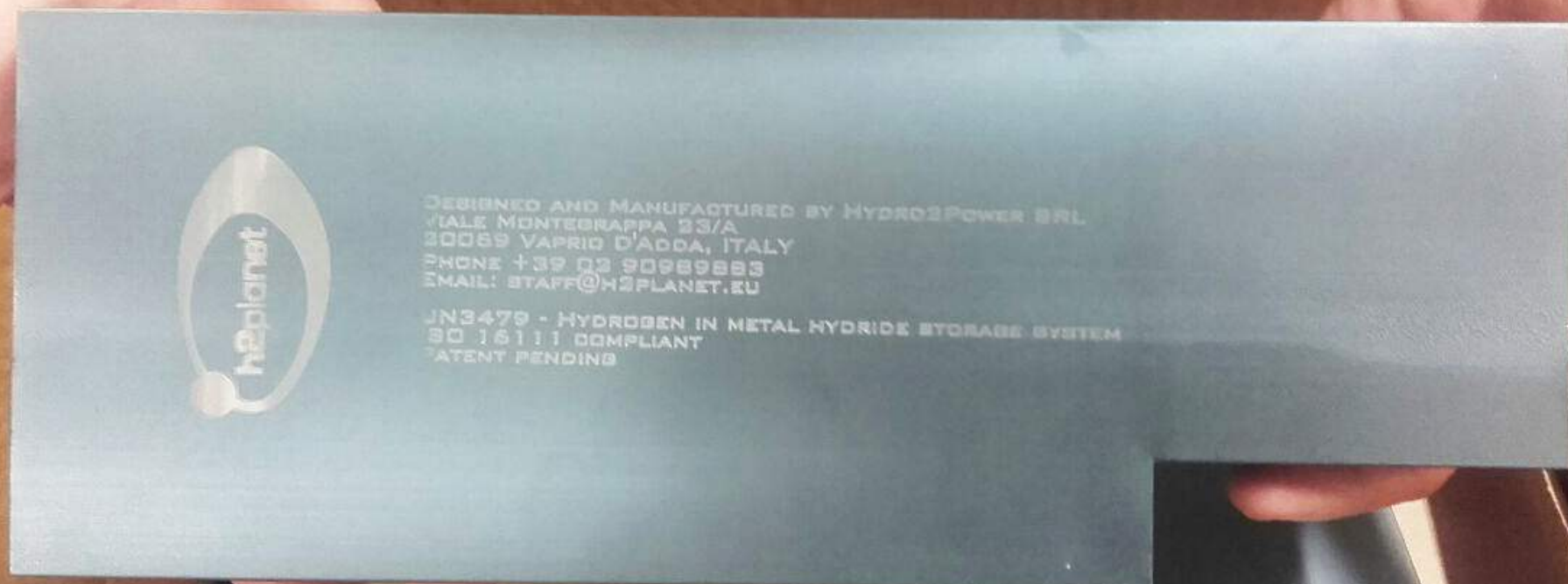


THE H2PLANET PATENT PENDING SLIM STORAGE

Storage hydrogen has never been so easy and safe thanks to the ultra-compact metal hydrides gas cylinders designed by H2planet.

MyH2® SLIM is the most reliable high-capacitance, safe and effective hydrogen storage system existing today which was developed thanks to H2planet's research.

MyH2® SLIM is the most advanced hydrogen metal hydrides storage system, compliant with ISO 16111 and transportable UN3479, CE certified in reference to PED for the industrial pressure vessels. The best H2 storage device featuring the most advanced quick connection system with the highest performances yet with optimized system for best adsorption and absorption.



MYH2 SLIM IS NOT ONLY AN ENERGY STORAGE SYSTEM FOR THE H2PLANET'S PLUG&PLAY GREENBOX AND GREENHUB FUEL-CELL GENSETS.

MYH2 SLIM CAN BE ALSO ADOPTED FOR PRACTICAL AND SAFE HYDROGEN STORAGE FOR SEVERAL TECHNICAL AND SCIENTIFIC USES FROM WELDING TO GASCROMATOGRAPHY.



- Welding in remote locations for professionals
- Precise welding for jewelery
- Mecanical workshops
- On field experimental balloons launches
- Laboratories, gas chromatographs,
- FID/TOC analysers etc..



MyH2® SLIM can store at only 20bar 3 times more hydrogen than the high pressure (200bar) standard industrial vessels in the same water capacity with huge storage and safety advantages.

METAL HYDRID STORAGE



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HIGH PRESSURE STORAGE



Industrial tanks

10-20 bar
3000 NI

200 bar
3000 NI



MYH2® SLIM IS AVAILABLE IN 2 STANDARD SIZES
SUITABLE FOR VARIOUS SECTORS DEPENDING ON
THE STORAGE CAPACITY AND NEEDS IN TERMS OF
PROVIDED HYDROGEN IN L/MIN.

MyH2® SLIM 80

Normal capacity: 7g (ca. 80l) hydrogen

Dimensions: 12x10x3cm

Cartridge internal volume: 0.12 liter

Mass of the entire system: 1175g

Hydride alloy: model AB2

Maximum operating pressure: 20 bar

Maximum test pressure: 100 bar

Maximum H2 charging pressure: 30 bar (static)

Minimum temperature charging cooling: 10°C

Maximum operating temperature: 65°C

MyH2® SLIM 350

Normal capacity: 32g (ca. 350l) hydrogen

Dimensions: 32,5x12x3cm

Cartridge internal volume: 0.48 liter

Mass of the entire system: 3600g

HOW TO CHARGE MyH2 E MyH2 SLIM CANISTERS

THROUGH
ELECTROLYSER



THROUGH
HIGH PRESSURE TANK



MATCHING MYH2® SLIM WITH FUEL-CELL STACK AND FUEL-CELL GENERATOR

MyH2 SLIM 80

H-12, H-20, H-30

MyH2 SLIM



H-SERIES
GreenBox

MyH2 SLIM 350

H-12, H-20, H-30, H-100,
H-200, GreenBox 100



ACCESSORIES

Pressure regulator kit
Flow regulator kit



TRANSPORTATION AND SAFETY

MyH2® is the most advanced hydrogen metal hydrides storage system, compliant with ISO 16111 and transportable UN3479, CE certified in reference to PED.

We ship MyH2® worldwide according to ADR/DGR/IMDG regulations and standards thanks to the compliant drums and packing comprised with each supply.

MyH2® can be also delivered according to US D.O.T. standards and norms, enquiry for your a version compliant with regulations of your country.



PRODUCT IDENTIFICATION

Hydrogen contained in metal hydrides for fuel cells .

Chemical formula: H₂

CLASS 2.1 - Gas

Classification: 6F



CUSTOMERS



CONTACTS

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