



# MyH2® SLIM

SLIM HYDROGEN STORAGE

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H2 slim and smart metal hydrides  
storage system

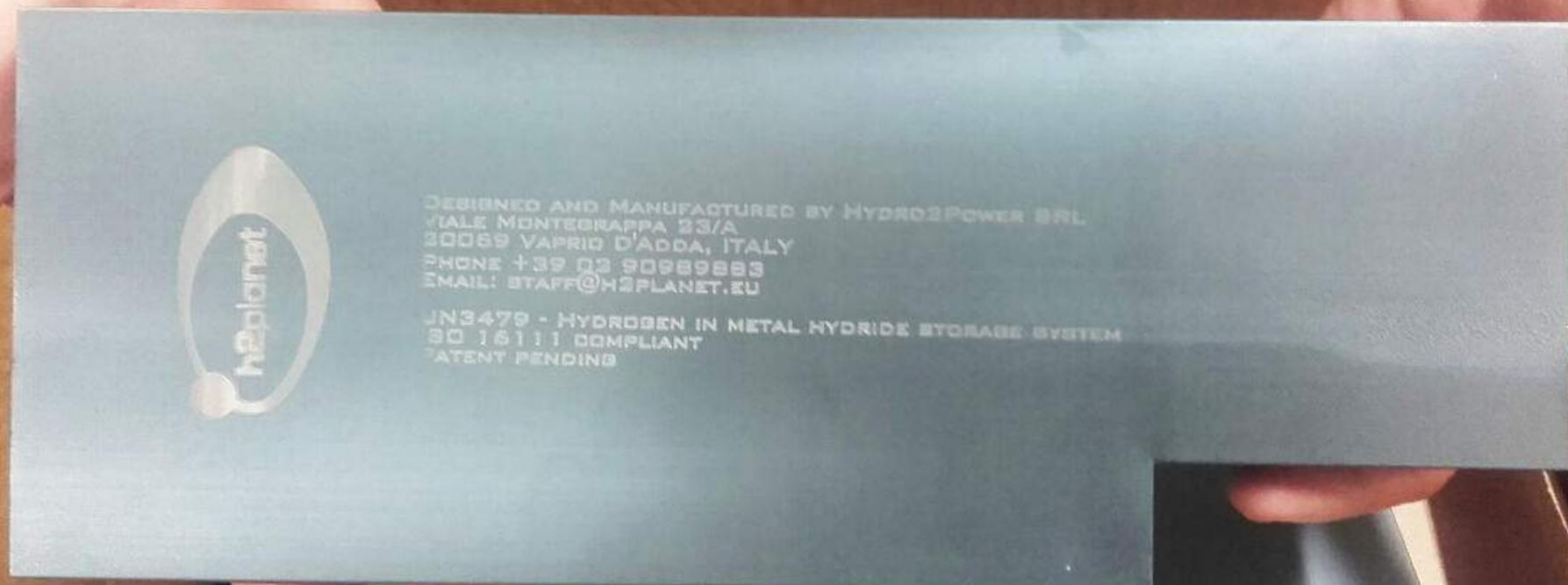


# THE H2PLANET PATENT PENDING SLIM STORAGE

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 HYDRIDE STORAGE



10-20 bar  
3000 NI

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## HIGH PRESSURE STORAGE



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® AND 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 2

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: H<sub>2</sub>

CLASS 2.1 - Gas

Classification: 6F



# CUSTOMERS



# CONTACTS

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