



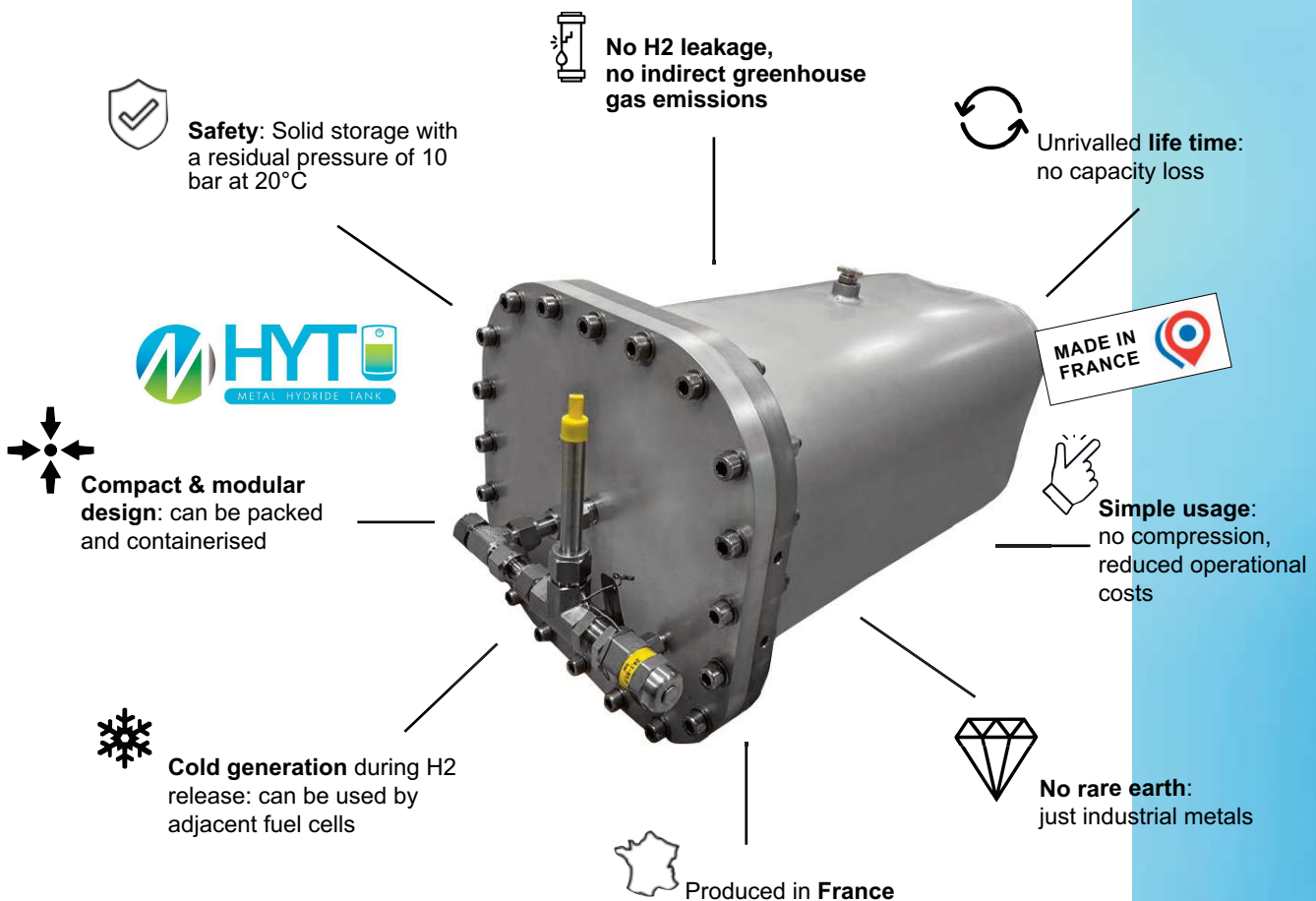
HYDROGEN TANK 1KG

LOW PRESSURE - METAL HYDRIDE

Characteristics & Data

H2 storage capacity: **1 kg**
Tank mass: **85 kg**
Pack volume: **32 L**
Pack dimensions: **L = 496 x 260 x 260 mm**
Operating temperature: **from -20°C to 80°C**
Storage temperature: **from -40°C to 100°C**

Ab/Sorption: **< 4 kWh/kg_H2**
Equilibrium pressure: **10 bar at 20°C**
Loading pressure: **maxi 50 bar**
Loading time with cooling: **< 10 mn**
Tank material: **aluminium alloy**



Safety: Solid storage with a residual pressure of 10 bar at 20°C



No H2 leakage, no indirect greenhouse gas emissions



Unrivalled life time: no capacity loss



Compact & modular design: can be packed and containerised



Simple usage: no compression, reduced operational costs



Cold generation during H2 release: can be used by adjacent fuel cells



No rare earth: just industrial metals



Produced in **France**

