

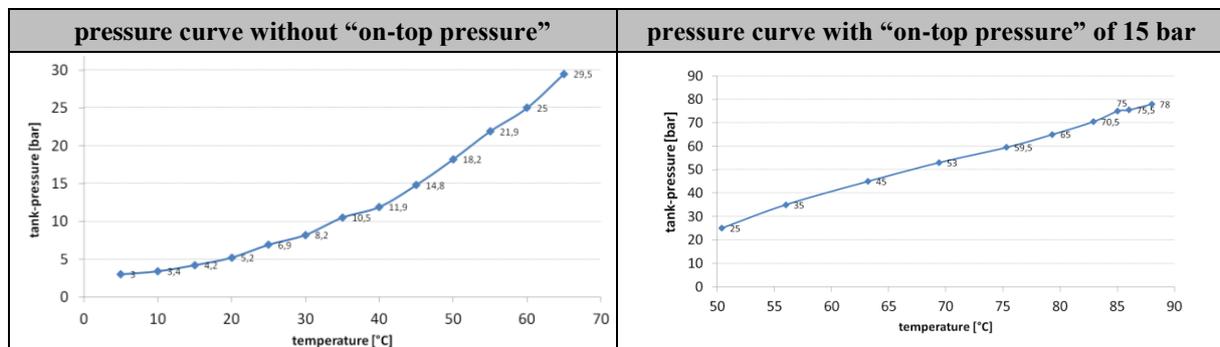
H2Tank2Go[®]

solid state Hydrogen tank powered by RT-MH Hydrolium[®]
 core unit of Power to Gas to Fuel - P2G2F[®]

refueling at home or replacing at any home-depot / tank vending machine
 Nanostructures for Zero Emission Future Transportation & Energy

H2Tank2Go [®]	at a glance
	<ul style="list-style-type: none"> • high energy storage capacity at low volume • safe hydrogen storage by solid state absorber • virtually pressure-less, MOT-approval pending • replacing tanks in seconds by “click'n'go system” • flexible multi-tank-operation, brilliantly simple • for mobile & stationary use, existing infrastructure • sustainable, clean and cost effective

technical data	handling & application
H ₂ -capacity (50 g guaranteed; future target 100 g)	50 g, 556 NL, 1,67 kWh
operating temperature	0 - 80°C
REC charging max. pressure	15 bar 30 bar
operating pressure	< 10 bar
dimensions	D70 x L330 mm
total weight volume	4,2 kg 0,95 l
quick connector valve	Zoz-H2G1
burst pressure tolerance	84 - 96 bar (at 20°C) 78 - 90 bar (at 85°C)
material valve	brass
material vessel	stainless steel
metal hydride material	Hydrolium [®]
storage capacity (Hydrolium [®])	ca. 1,8 wt%
REC H ₂ quality for charging	3.0 (or better)
lifetime (proper handling assumed)	> 20 years
	 <p>replaced at a tank vending machine, six on the IronBird PowerBox</p>  <p>two on a kickboard isigo[®]H2.0, six on a ZEV trunk or a small aircraft</p>



charging with hydrogen, heat-removal, on-top pressure release
 Charging is recommended at 15 bar hydrogen pressure. For heat removal during the same, keeping the H2Tank2Go[®] in a water bath is sufficient. It is advised to remove the 15 bar “on-top-pressure” right after charging in order to guarantee better handling of the quick connector (click'n'go). In order to keep the H₂-desorption constant even at higher consumption rates, the tank shell temperature shall be at above 50°C (use e.g. hot water bath, waste heat of fuel cell, etc.).

P2H[®] | P2G2F[®] | Hydrolium[®] | H2Tank2Go[®] | isigo[®] | are registered trademarks of Zoz Group

technical data subject to alterations