

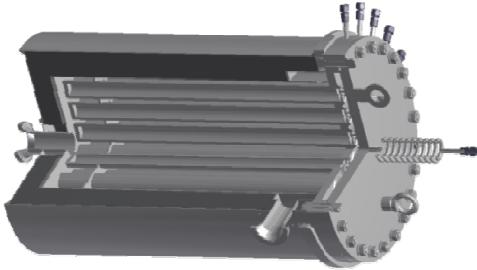
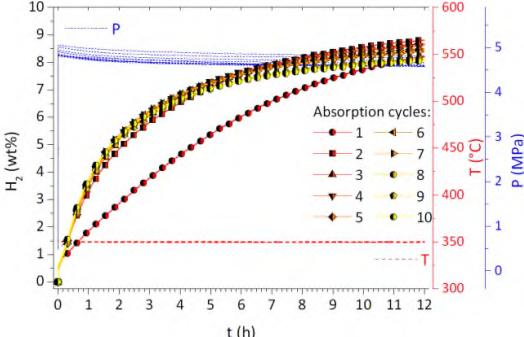
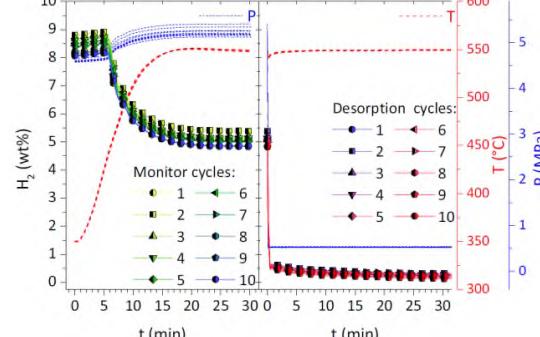
## H2-tank system B4S-MM

### BOR4STORE

**boron hydride • multi module • solid state**

**for a fast, reliable and high capacity solid state hydrogen storage future**

Novel, optimised and cost-effective boron hydride based H<sub>2</sub> storage materials (reactive hydride composite: 2LiH + MgB<sub>2</sub>) at superior performance (capacity >8 wt.% and 80 kg H<sub>2</sub>/m<sup>3</sup>) for specific fuel cell applications (e.g. SOFC).

<b>BOR4STORE - multi module tank system</b>		<b>at a glance</b>
		<ul style="list-style-type: none"> <li>• 24 units of single modules</li> <li>• H<sub>2</sub>-capacity: 960-1.200 g</li> <li>• volume: 15.240 cm<sup>3</sup></li> <li>• weight: 365 kg</li> </ul>
<b>typical absorption cycles</b>		<b>typical desorption cycles</b>
		
<b>operating parameters</b>		<b>features</b>
operating parameters: • pressure: 3-100 bar • temperature: max. 650°C • charging pressure: 50-60 bar • charging temperature: max. 350 C • design pressure: 325 bar		<ul style="list-style-type: none"> <li>• novel boron hydride based materials and composites</li> <li>• accelerate reaction kinetics and adjust reaction temp. appropriately to supply a SOFC</li> <li>• enhance the cycling stability of the materials to several 1000 cycles</li> </ul>
TÜV-approval optional		price: on request

technical data subject to alterations