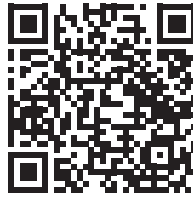


Hydrogen Storage

Whether for the low-pressure or high-pressure range - we have the right solution for storing hydrogen!



Depending on the variant of our vessel, up to 1000 bar pressure and 3.500 mm diameter are possible. The tanks can be installed upright, horizontally or in a space-saving storage system.



Vessel Variations

	Pressure Vessel	High Pressure Cylinder	High Pressure Sphere
Pressure	up to 40 bar	up to 500 bar	up to 1000 bar
Volume	5 - 120.000L	5 - 25.000L	5 - 10.000L
Diameter	up to 3.500mm	up to 2.000mm	up to 3.500mm
Connections	up to DN 500	DN 10 - DN 50	DN 10 - DN 50
Stationary	yes	yes	yes
Materials	carbon steels and stainless steels		

Your Benefits



Configurability

The diameter and other details of the vessel can be customised to your demands



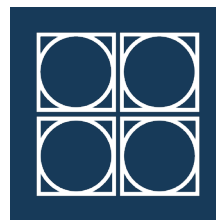
Individual load changes

The load changes can be customised and may reduce maintenance cycles



Variable connections

Variation of several connections with different sizes possible on one vessel



Flexibly expandable

With our storage system, we enable you to stack vessels next to and on top of each other



Coatings inhouse

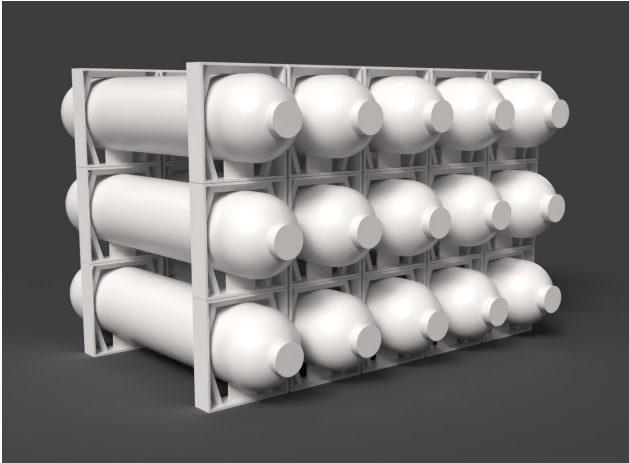
We coat your vessels according to our standards or the desired RAL color



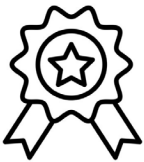
Recyclable steel

Unlike carbon fiber composites, our steel is 100% recyclable

Our Storage System



- the vessel is located in a frame
- the frame can be scaled as required
- several vessels can be stacked on top of each other and as many as required next to each other
- several connections of different sizes can be integrated
- proof of stability



Certifications

To ensure high quality and safety, all materials, production processes and end products are checked using the **eferest** quality management system.

We are certified according to:

- | | | |
|------------------------|----------------------------------|------------------|
| • DIN EN ISO 9001:2015 | • ASME U | • LR Marine |
| • DIN EN ISO 3834-2 | • ASME U2 | • DNV |
| • AD 2000 HP0 | • National Board | • BUREAU VERITAS |
| • Modul H | • Manufacture License P.R. China | • UKCA PER D1 |
| • Modul H1 | • GOST EAC RU | • UKCA PER H |
| • Modul D1 | • KGS Certification | • UKCA PER H1 |



We can design and certify our products according to various national and international standards, depending on the customer's requirements!

You can find all our approvals as a download on our website. Scan the QR code to view all certificates!



eferest Certifications

