



20 ft Multiple Element Gas Container (MEGC)

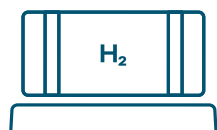
The 20 ft Multiple Element Gas Container (MEGC) is a smart hydrogen storage and logistics solution from 38MEGAPASCAL, an H2 Energy company. FORVIA and H2 Energy join forces to realize an innovative H2-storage container for the safe transportation of pressurized hydrogen. The container is a certified product for ADR and RID applications and can be integrated into any efficient logistics system.

The containers consist of 3 banks which can be controlled individually. The cylinders are protected against fire and overpressure.

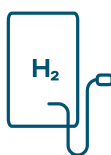
The 20 ft ISO compatible container can store 465 kg of hydrogen at 380 bar. A 40 ft version with near 1 ton capacity is also planned.



MEGC container
on secure docking
station



Interface Panel for
filling/emptying
containers



Efficient H₂ delivery



- Optimized logistic concept
- Container exchange in 15 minutes thanks to smart and efficient docking station / Filling panel
- All handling done by driver
- Filling panel to check MEGC keydata, leak test, hose flushing

- Controlled filling speed
- Automated operation
- Integrated safety

Specifications ¹	Unit	20 ft MEGC	40 ft MEGC
Working pressure ²	bar	380	380
H2 capacity (total)	kg	465	950
# of banks		3	3
# of cylinders		48	98
Cylinder type ³		FORVIA Composite Type III	
Gross weight	t	<14	<28
Dimensions (W × L × H)	m	2.5 x 6.1 x 2.7	2.5 x 12.1 x 2.7

¹ Specifications are preliminary and non-binding

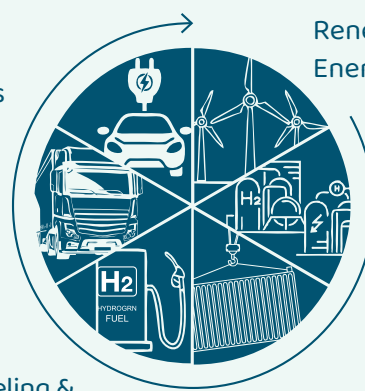
³ Metal liner with composite wrapping



Get in touch for more information:
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Applications



Refueling & Storage

Renewable
Energy

Production & Logistics

