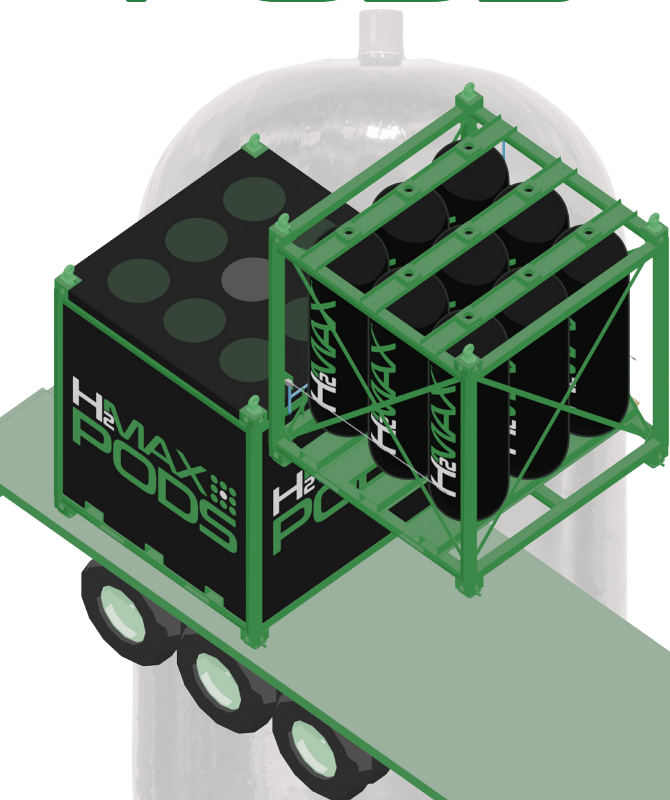


H₂MAX PODS



Hydrogen
Storage AND
Transportation
Solutions



MARKETS WE SERVE

AST's hydrogen storage & transport solutions for:

H₂ PRODUCERS

- ▣ Lower weight than competing products
- ▣ Complete trailer solutions for storage & transport

H₂ Equipment Providers

- ▣ AST's system serves as remote backup power supply
- ▣ Scalable to suit space restrictions for onsite storage

Gas Transport

- ▣ Modular configurations allow for maximum flexibility
- ▣ More hydrogen stored per lbs.

Fleet Operations

- ▣ Customized refueling
- ▣ Scalable to fleet size
- ▣ Pod and/or trailer solutions

H₂MAX™

The Largest Diameter Type 3 Cylinders for H₂ Storage

- H₂MAX cylinders are designed for hydrogen storage in various applications for zero-emission and sustainable mobility solutions with service pressure of 350 and 517 bar (5,076 and 7,500 psi).
- The large diameter and volume of the H₂MAX allows for fewer valves and PRDs, thereby reducing the number of fittings and connections and minimizing potential leak points.
- For maximum safety and storage capacity, AST manufactures pressure vessels using its own unique flow-formed forged liner technology.



Hydrogen Storage AND Mobile Transport Solutions

- Self-contained pods with valve, connections and manifold
- Maximum scalability for your unique storage requirement (Connect 1 to 5 pods)
- Vertical compact modular design allows for full accessibility, easy service and maintenance
- Type 3 cylinders enable fast and complete filling
- 100% useable storage volume; empties completely – no residual hydrogen
- High temperature resistant cylinders
- Variation of pods or complete pod/trailer assemblies available
- Pods are sized to fit in standard containers



H₂MAX PODS

	1-Pod	2-Pod	3-Pod	4-Pod	5-Pod
Working Pressure (bar/psig)	517 / 7,500				
Cylinder Water Volume (L)	540				
Pod Water Volume (L)	4,860	9,720	14,580	19,440	24,300
Cylinder (qty)	9	18	27	36	45
Total Water Volume (scf)	171.6	343.3	514.9	686.5	858.2
Hydrogen Capacity (scf)	65,526.8	131,053.7	196,580.5	262,107.4	327,634.2
Hydrogen Capacity (kg)	154.8	309.6	464.4	619.2	774.0
Weight, Tare (lbs)	11,430	21,360	31,290	41,220	51,150
Weight, Gross (lbs)	11,771	22,041	32,312	42,582	52,853
Pod Dimensions (L" x W" x H")	96 x 96 x 98				
Trailer Dimensions (L' x W' x H')	15 x 8 x 13.2	22 x 8 x 13.2	30 x 8 x 13.2	38 x 8 x 13.2	45 x 8 x 13.2

H₂MAX PODS

One Pod
features
9 cylinders



Trailer
options
available



950 Richmond Ave
Oxnard, CA 93030
(805) 204-9133

4680 Calle Carga
Camarillo, CA 93012
(805) 920-7980



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