



Gas Transportation Modules - Hydrogen

The flexible way to transport large quantities of compressed hydrogen in a small footprint.

Rely on BayoTech’s GTM series for flexible hydrogen supply. The lightweight, compact trailers are available for purchase, lease or rental. Easily transported by standard pickup truck, the trailer can meet your fuel cell vehicle on location whether that be the test track, at the depot or on route. Fuel cell vehicles are refueled directly from the GTM trailer without additional infrastructure. Once depleted, hydrogen supply is replenished from our network of distributed hydrogen production hubs.

GTM’s rely on bundles of high-pressure Type III cylinders “manifolded” together to a common fill/discharge load port(s). The composite cylinders provide a lightweight, high-pressure package for storing compressed gases with pressure up to 7,500psig. The gas transport modules provide customers a small, lightweight alternative to steel tube trailers for carrying large volumes of hydrogen.

Best in class safety features include emergency shutdown systems, thermally-activated pressure relief devices, and welded manifold connections to mitigate potential manifold leaks. Drivers require a CDL/HazMat license.

We specialize in innovation to the point of designing and manufacturing the best valves and transport modules in the industry. This innovation is driven by listening to our customers and being a solution provider, not just another vendor. Call us to see how we help you and your organization.

FEATURES

- » Orbital welded, stainless manifold to reduce leaks (60% less leak points)
- » Glass-bulb thermal protection technology
- » 1/4 -turn ball, cylinder valves (high-flow capabilities)
- » Control/storage cabinet
- » Pressure and leak checked prior to delivery
- » Telemetry system (GPS location and GTM pressure)
- » Customizable discharge panels and cylinder configurations
- » Strong customer service team, training, and post-sale support
- » Longest warranties in the industry
- » On-site DOT cylinder retest facility

APPLICATIONS

- » Industrial gas delivery
- » Direct refueling of fuel cell vehicles and equipment

	GTM1350	GTM800-450	GTM1500-450	GTM2350-450	GTM800-520	GTM1500-520	GTM2350-520
Working pressure	250 bar / 3,600psig	450 bar / 6,525psig			520 bar / 7,500psig		
Cylinder water volume (scf)	275 ltrs / 9.7scf	315 ltrs / 11.1scf					
# of cylinders	16	8	16	25	8	16	25
Total water volume (scf)	155.5	88.0	176.0	275.0	88.0	176.0	275.0
Hydrogen capacity (scf)	32,974	31,024	62,048	96,950	34,481	68,962	107,753
Hydrogen capacity (kgs)	78	73	146	225.6	81	160.6	250.9
Tare weight (lbs)	9,000	5,000	12,000	18,000	6,000	13,000	19,000
Gross weight (lbs)	9,176	5,160	12,230	18,500	6,176	13,352	19,550
Pod dimensions (WxHxL)	77" x 80" x 150"	77" x 80" x 165.25"	77" x 80" x 165.25"	102" x 80" x 129"	77" x 80" x 165.25"	77" x 80" x 165.25"	102" x 80" x 129"
Trailer dimensions (WxHxL)	96" x 30" x 204"	96" x 30" x 216"	96" x 30" x 216"	102" x 48" x 216"	96" x 30" x 216"	96" x 30" x 216"	102" x 48" x 216"

Specifications are subject to change without notice. Updated 5/2022.

**FOR MORE INFORMATION, OR TO CONTACT US,
PLEASE VISIT WWW.BAYOTECH.US**