



## Gas Transportation Modules

High-pressure storage and transportation modules create a low-cost, flexible virtual pipeline for the movement of compressed gases including CNG, hydrogen and nitrogen.

Gas Transportation Modules (GTMs) from BayoTech™ are the smart, flexible way to transport large quantities of compressed gas in a small footprint. Trailer sizes range from large-volume 18' units to smaller solutions that can be towed with a standard sized pickup truck.

GTMs 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 6,525 psig.

Initially used for compressed natural gas (CNG) in locations where there was no infrastructure in place to move the gas from a central pipeline or refinery, the usage of GTMs has increased to include a broader variety of gases, including helium, hydrogen, nitrogen, and breathing air.

Best in class safety features include emergency shutdown systems, thermally-activated pressure relief devices, and welded manifold connections to mitigate potential manifold leaks.

## FEATURES

- » Pod-mounted cylinders for flexible capacity and compact footprint
- » Lightweight, high-capacity Type III cylinders (aluminum liner wrapped in carbon fiber; non-permeable liner)
- » Industry-leading safety features
- » Transducer-based telemetry system for remote monitoring
- » Proprietary heating system to maintain temperature of regulator at 180°F

## APPLICATIONS

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

| GTM                                | GPak4-XL                              | GTM800-450                            | GTM1500-450                         |
|------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------|
| <b>Working Pressure</b>            | 350 bar / 5,000 psig                  | 450 bar / 6,525 psig                  | 450 bar / 6,525 psig                |
| <b>Cylinder Water Volume</b>       | 116 liters / 4.1 scf                  | 320 liters / 11.3 scf                 | 320 liters / 11.3 scf               |
| <b># of Cylinders</b>              | 4                                     | 8                                     | 16                                  |
| <b>Total Water Volume</b>          | 464 liters / 16.4 scf                 | 2,560 liters / 90.4 scf               | 5,120 liters/ 180.8 scf             |
| <b>Hydrogen Capacity</b>           | 10.8 kgs / 4,586 scf                  | 73 kgs / 31,024 scf                   | 146 kgs / 60,845 scf                |
| <b>Tare Weight (lbs)</b>           | 800                                   | 7,500                                 | 13,365                              |
| <b>Gross Weight (lbs)</b>          | 850                                   | 7,660                                 | 13,715                              |
| <b>Unit Dimensions (L x W x H)</b> | 133" x 67" x 60"                      | 238" x 102" x 64"                     | 238" x 102" x 104"                  |
| <b>Truck-Hitch Type Required</b>   | 1/2-ton pickup truck (ball or pintle) | 3/4-ton pickup truck (ball or pintle) | 1-ton pickup truck (ball or pintle) |

### Footnotes

\*Any 450 BAR product has a 350 BAR option.

\*Some dimensions may be approximate.

**FOR MORE INFORMATION, OR TO CONTACT US,  
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