

## HyFill® Bulk Hydrogen Transport

High-pressure, high-capacity pods move more hydrogen in a smaller & lighter package, maximizing driver productivity.



BayoTech® is an established leader in the design and manufacture of high-pressure, cylinder-based pods for gas transport and storage. Our high-capacity storage pods carry up to three times more per load than traditional steel-tube trailers. Higher payload means more sites can be refueled per delivery, lowering transportation costs and increasing driver productivity.

Composite cylinders provide a lightweight, high-pressure package for storing compressed gases with pressure up to 7,500 psig. Compact 27' trailers carrying 500 kilograms of hydrogen are designed to fit tight spaces and are ideal for delivery to hydrogen refueling stations.

Cylinders are fitted with a proprietary valve controlled via a pneumatic actuator. An operator control panel allows access to specific cylinder rows at ground level, enabling cascade filling without climbing the trailer bed. This technique enables the filling of significantly more storage tanks to higher fill pressures and greater hydrogen optimization.

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
- » Lightweight, high-capacity Type III cylinders (aluminum liner wrapped in carbon fiber; non-permeable liner)
- » Compact footprint for easy access to refueling sites
- » Allows for cascade filling
- » Industry-leading safety features
- » High temperature cylinders (up to 120°C)

## APPLICATIONS

- » Industrial gas delivery
- » Delivery/storage for hydrogen refueling stations
- » Mobile refueler for hydrogen storage packs

HyFill® Bulk Hydrogen Transport Trailers	Tandem 520
<b>Working Pressure</b>	520 bar / 7,500 psig
<b>Cylinder Water Volume</b>	315 liters / 11.1 scf
<b># of Cylinders</b>	50
<b>Total Water Volume</b>	15,750 liters / 555 scf
<b>Hydrogen Capacity</b>	501 kgs / 211,690 scf
<b>Tare Weight (lbs)</b>	41,100
<b>Gross Weight (lbs)</b>	43,100
<b>Pod dimensions (L x W x H)</b>	129" x 102" x 96"
<b>Unit Dimensions (L x W x H)</b>	324" x 96" x 159"

### Footnotes

\*All Hyfill products will require Semi truck with Kingpin connection.

\*Some dimensions may be approximate.

FOR MORE INFORMATION, OR TO CONTACT US,  
PLEASE VISIT [WWW.BAYOTECH.US](http://WWW.BAYOTECH.US)