

BayoTech is an established leader in the design and manufacture of high-pressure, cylinder-based gas storage and delivery equipment. Our high-capacity gas transport trailers carry up to three times more per load than traditional steeltube trailers. Higher payload means more sites can be refueled from each trailer, 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. Larger 40' and 52' trailers maximize payloads carrying 686 kilograms of hydrogen per load for industrial gas delivery.

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 from the transport trailer.

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 $120^{\circ} \mathrm{C}$ )

## APPLICATIONS

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

| HyFill ${ }^{\circ}$ Bulk Hydrogen Transport Trailers | Tandem 450 | Quadrum 450 | Tandem 520 |
| :---: | :---: | :---: | :---: |
| Working Pressure | 450 bar / 6,525 psig | 450 bar / 6,525 psig | 520 bar / 7,500 psig |
| Cylinder Water Volume | 320 liters / 11.3 scf | 320 liters / 11.3 scf | 315 liters / 11.1 scf |
| \# of Cylinders | 40 | 75 | 50 |
| Total Water Volume | 12,800 liters / 454 scf | 24,000 liters / 847.5 scf | 15,750 liters / 555 scf |
| Hydrogen Capacity | 366 kgs / 154,575 scf | 686 kgs / 289,828 scf | $501 \mathrm{kgs} / 211,690$ scf |
| Tare Weight (lbs) | 35,000 | 57,000 | 43,100 |
| Gross Weight (lbs) | 36,000 | 58,500 | 44,300 |
| Pod dimensions ( $\mathrm{L} \times \mathrm{W} \times \mathrm{H}$ ) | $131^{\prime \prime} \times 102^{\prime \prime} \times 78^{\prime \prime}$ | $131^{\prime \prime} \times 102^{\prime \prime} \times 78^{\prime \prime}$ | $129^{\prime \prime} \times 102^{\prime \prime} \times 96^{\prime \prime}$ |
| Unit Dimensions ( $\mathrm{L} \times \mathrm{W} \times \mathrm{H}$ ) | $324^{\prime \prime} \times 102^{\prime \prime} \times 150^{\prime \prime}$ | $624^{\prime \prime} \times 102^{\prime \prime} \times 144^{\prime \prime}$ | $324^{\prime \prime} \times 96^{\prime \prime} \times 159^{\prime \prime}$ |

## 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

