

# COMPRESSED GAS CYLINDER

## 5,000 PSI (345 BAR)



### SUPERIOR STORAGE

---

Most complete fast-fill and negligible permeation



### MAXIMIZE PROFITABILITY

---

Transport more compressed gas and minimize container weight



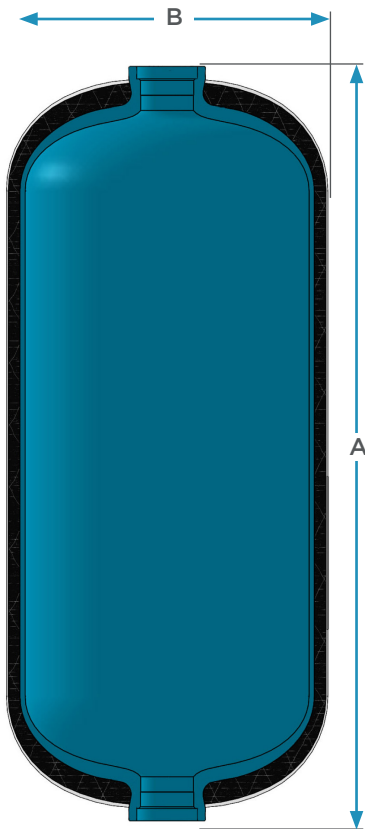
### HIGH CYCLE LIFE

---

Fill and empty repeatedly with no concern of liner collapse

# COMPRESSED GAS CYLINDER

## 5,000 PSI (345 BAR)



Steelhead Composites compressed gas cylinders offer a variety of gas storage options perfect for weight-sensitive and mobile applications. These cylinders weigh one-quarter of traditional steel counterparts and have a standard threaded steel 2.0 inch (51 mm) diameter port opening.

### Gas Transportation

This innovative product can be a cost-effective and safe way to transport compressed gas. Multiple cylinders installed in a trailer or in a transportable container can serve as a mobile pipeline.

### SPECIFICATIONS

- Type 3 Pressure Vessel
- Maximum Operating Pressure: 5,000 psi (345 bar)
- Minimum Burst Pressure: 15,000 psi (1,034 bar)
- Port Opening: up to 2 inches (51 mm) in diameter
- Safety: Benign leak-before-burst avoids catastrophic failure
- Compliant with US/DOT and UN/ISO 11119-2 requirements
- Liner: Seamless, impermeable 6061-T6 Aluminum
- Structural Shell: Carbon fiber and epoxy composite
- Protective Barrier: Glass fiber and epoxy composite
- Neck or strap mounting available
- High thermal conductivity of Aluminum liner achieves a better fill capacity under fast-fill conditions
- Corrosion Resistant: Not prone to rusting like steel

| NOMINAL VOLUME<br>L (GAL)* | OPERATING PRESSURE<br>PSI (BAR)** | DIMENSION A<br>IN (MM) | DIMENSION B<br>IN (MM) | WEIGHT<br>LBS (KGS) |
|----------------------------|-----------------------------------|------------------------|------------------------|---------------------|
| 90 (24)                    | 5000 (345)                        | 39 (990)               | 17.13 (435)            | 147 (67)            |
| 98 (26)                    | 5000 (345)                        | 42 (1067)              | 17.13 (435)            | 166 (75)            |
| 133 (35)                   | 5000 (345)                        | 55 (1397)              | 17.13 (435)            | 205 (93)            |
| 208 (55)                   | 5000 (345)                        | 81 (2057)              | 17.13 (435)            | 304 (138)           |
| 235 (62)                   | 5000 (345)                        | 91 (2311)              | 17.13 (435)            | 340 (154)           |
| 270 (71)                   | 5000 (345)                        | 103 (2616)             | 17.13 (435)            | 371 (168)           |

\*Custom volumes available upon request.

\*\*Additional pressures available upon request.

Visit [www.steelheadcomposites.com/about/lunch-learn/](http://www.steelheadcomposites.com/about/lunch-learn/) to request a lunch and learn

### CONTACT STEELHEAD COMPOSITES



720.524.3360



500 Corporate Circle, Suite O  
Golden, CO 80401



[www.steelheadcomposites.com](http://www.steelheadcomposites.com)

