

# GAS BACK-UP BOTTLE

6,000 PSI (414 BAR)



## RELIABLE

Designed and field tested for high cycle life and predictable performance



## DURABLE

High-strength carbon fiber composite over aluminum liner for a structural shell with additional glass layer for damage protection

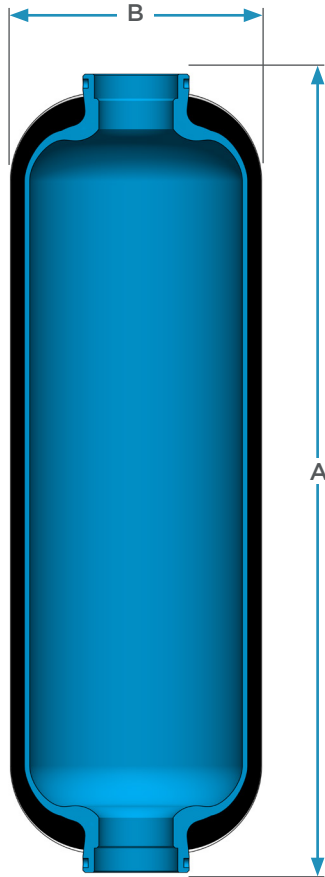


## LOW MAINTENANCE COST

Replace bladder through the gas port end without the removal of accumulator from the system

# GAS BACK-UP BOTTLE

## 6,000 PSI (414 BAR)



Gas Back-Up Bottles can be used to store additional charging gas for hydraulic accumulators. The use of these high pressure cylinders allows for a reduction in the size of the bladder or piston accumulator and serves as an ancillary Nitrogen source. The extra gas improves accumulator performance and results in overall system cost savings.

When weight matters, Gas Back-Up Bottles from Steelhead Composites provide an optimal solution at a competitive price.

### SPECIFICATIONS

- Type 3 Pressure Vessel
- Maximum Operating Pressure: 6,000 psi (414 bar)
- Minimum Burst Pressure: 18,000 psi (1,241 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 GAL (L) * | OPERATING PRESSURE PSI (BAR)** | DIMENSION A IN (MM) | DIMENSION B IN (MM) | WEIGHT LBS (KGS) |
|--------------------------|--------------------------------|---------------------|---------------------|------------------|
| 5 (19)                   | 6000 (414)                     | 23 (574)            | 12 (305)            | 49 (22)          |
| 10 (38)                  | 6000 (414)                     | 38 (955)            | 12 (305)            | 83 (38)          |
| 15 (57)                  | 6000 (414)                     | 52 (1316)           | 12 (305)            | 111 (50)         |
| 20 (76)                  | 6000 (414)                     | 67 (1690)           | 12 (305)            | 135 (61)         |
| 25 (95)                  | 6000 (414)                     | 82 (2071)           | 12 (305)            | 164 (74)         |
| 30 (113)                 | 6000 (414)                     | 96 (2438)           | 12 (305)            | 190 (86)         |

\*Custom volumes available upon request.

\*\*Additional pressures available upon request.

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