

LOW PRESSURE

LIGHTWEIGHT ACCUMULATOR 300 PSI (21 BAR)



Low Pressure Accumulator
16.5 gallon (62 liter)



MJ Systems, Authorized Steelhead Distributors
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INTRODUCTION

Steelhead Composites provides lightweight low pressure accumulators ranging in size from 11.5 gallons (44 liter) to 40 gallons (151 liter). This unique 300 psi (21 bar) accumulator is a superior alternative to traditional steel accumulators for weight-restricted uses and mobile applications.

Lightweight

Significantly lighter than steel accumulators

Reliable

Designed and field tested for high cycle life and predictable performance

Durable

Seamless weld-free design with optional fiberglass protective layer

Corrosion Resistant

Naturally corrosion resistant aluminum with powder coated exterior increases vessel life in corrosive environments

Easier to Integrate

Lower weight results in less requirement on structural connections and reduced vibration on ancillary equipment



COMPOSITES
ISO 9001:2008 Certified Company

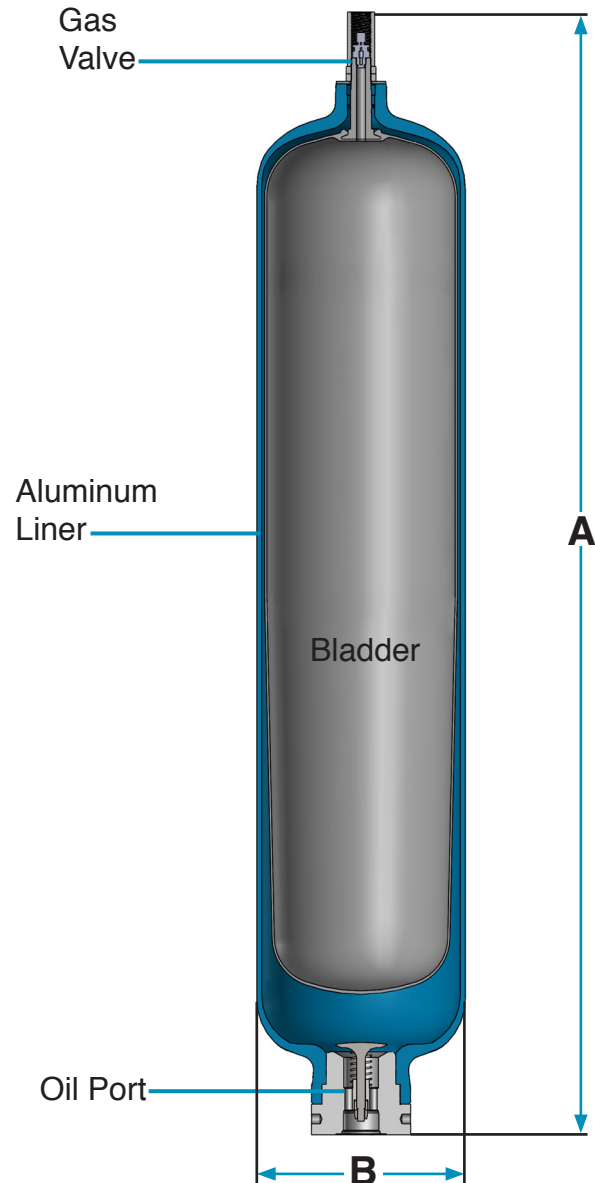
LOW PRESSURE LIGHTWEIGHT ACCUMULATOR



COMPOSITES

SPECIFICATIONS

- Type 1 Aluminum Pressure Vessel
- Shell: Seamless, impermeable 6061-T6 Aluminum
- Bladder: Buna-Nitrile (other materials available)
- Maximum Operating Pressure: 300 psi (21 bar)
- Minimum Burst Pressure: 2,000 psi (138 bar)
- Safety: Heat-activated pressure relief device
- Fluid connection: SAE-24 female outlet port (other port options available)
- Port Opening: industry standard 3.5 inch (89 mm) diameter
- Operating temperature: -20° to 185° F (-30° to 85° C)
- Compliant with applicable design specifications of US-DOT and UN/ISO
- Optional Protective Barrier: Glass fiber and epoxy composite overwrap available



12 INCH LOW PRESSURE SERIES				
NOMINAL VOLUME GAL (L)*	OPERATING PRESSURE PSI (BAR)**	DIMENSION A IN (MM)	DIMENSION B IN (MM)	WEIGHT LBS (KGS)
11.5 (44)	300 (21)	39 (991)	12 (305)	48 (22)
16.5 (62)	300 (21)	50 (1270)	12 (305)	58 (26)
21.5 (81)	300 (21)	55 (1549)	12 (305)	69 (31)
26.5 (100)	300 (21)	71 (1803)	12 (305)	79 (36)
31.5 (119)	300 (21)	82 (2083)	12 (305)	80 (36)
36.5 (138)	300 (21)	93 (2362)	12 (305)	100 (46)
38.0 (144)	300 (21)	96 (2438)	12 (305)	104 (47)
40.0 (151)	300 (21)	100 (2540)	12 (305)	107 (49)

10 INCH LOW PRESSURE SERIES				
NOMINAL VOLUME GAL (L)*	OPERATING PRESSURE PSI (BAR)**	DIMENSION A IN (MM)	DIMENSION B IN (MM)	WEIGHT LBS (KGS)
11.5 (44)	300 (21)	46 (1168)	10.5 (267)	51 (23)
16.5 (62)	300 (21)	62 (1575)	10.5 (267)	65 (29)
21.5 (81)	300 (21)	77 (1956)	10.5 (267)	79 (36)
26.5 (100)	300 (21)	90 (2286)	10.5 (267)	93 (42)
31.5 (119)	300 (21)	105 (2667)	10.5 (267)	107 (49)

*Custom volumes available upon request.

**Additional pressures available upon request.

Visit steelheadcomposites.com to use our accumulator sizing calculators.

CONTACT STEELHEAD COMPOSITES

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