



The SOLR™ 3000 bailout bottle is the latest parachutist oxygen system designed by Airborne Systems. When used with a parachutist oxygen mask, it is suitable for the most extreme HAHO / HALO missions. The 122 cu.in. oxygen bottle has similar measurements than the current PHAOS 120 cu.in oxygen bottle but offers over 60% more oxygen capacity for increased flight duration under canopy.

The manifold size has been reduced and engineered in order to ensure no measurable oxygen leaks so the bailout bottle can be stored full for extended periods of time. The double action rotating oxygen toggle switch eliminates unintentional oxygen flow

shut off for increased safety. The manifold maintenance intervals have been significantly increased (inspection every 30 months, service every 60 months).

The SOLR™ 3000 bailout bottle is compatible with the legacy PHAOS mask as well as the POM mask.

#### Key Features

- Lightweight
- 3,000 psig fill pressure
- Over 60% more oxygen capacity than PHAOS 120 cu in bottle
- Brass pressure reducer, oxygen safe up to 4,500 psig (tested @ 5395 psig)

- Universal compatibility
- Low profile oxygen gauge, easily visible
- Easy oxygen gauge visibility
- Leakproof
- Easy maintenance (30 months inspection cycles, 60 months service cycles)
- Console Interface includes automatic shutoff feature when connected to the console
- Compatible with legacy PHAOS and U.S. Army POM masks

## Specifications

<b>Medium</b>	Oxygen	
<b>Cylinder fill pressure</b>	3,000 psig	207 bar
<b>Outlet pressure</b>	40 to 50 psig	2.8 to 3.4 bar
<b>Weight (unfilled)</b>	5.6 lb	2.6 kg
<b>Expanded gas volume</b>	14.6 cu ft at 3,000 psig (414 liters at 207 bars)	
<b>Cylinder water volume</b>	122 cu in - 2 liters	
<b>Cylinder type</b>	DOT, TC, TPED, KHK, Carbon fiber wrapped, aluminum lined composite	

### Operating environment

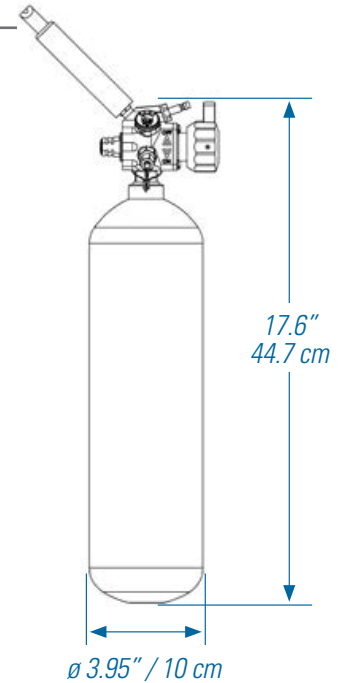
Tested	Per MIL-STD-810G	
Temperature	-65° – 160°F	-54° – 71°C
Humidity	0 to 100%, non-condensing	
Altitude (ceiling)	35,000 ft	10,668 m

### Product interfaces

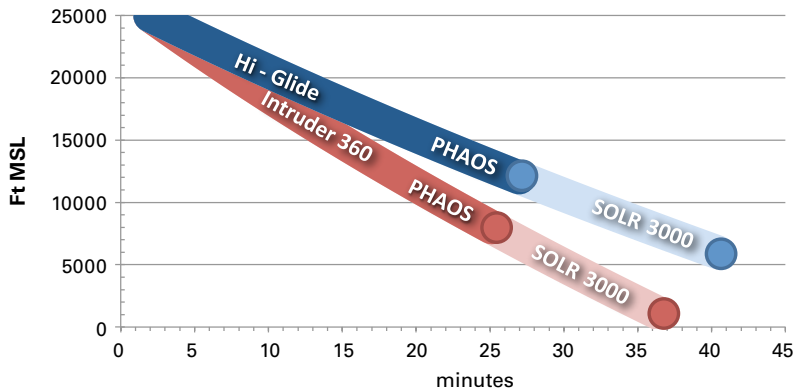
Fill port	IAW AN800
Outlet fitting	Quick Disconnect Socket (mates with 1/8 inch plug)

### Charging System (Optional)

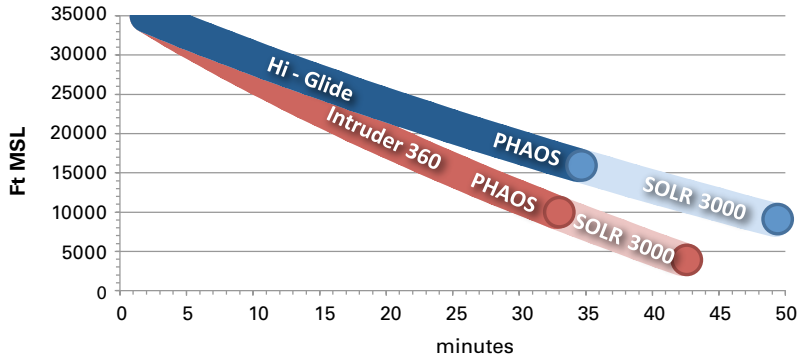
Masterline 3,000 psig electric booster pump



25,000 Ft. MSL Jump Profile



35,000 Ft. MSL Jump Profile



### Airborne Systems North America New Jersey

5800 North Magnolia Avenue  
Pennsauken, NJ 08109, USA  
Tel +1.856.663.1275 • Fax +1.856.663.8146

### Airborne Systems North America California

3701 West Warner Avenue  
Santa Ana, CA 92704, USA  
Tel +1. 714.662.1400 • Fax +1. 714.662.1586

### Airborne Systems North America Space & Recovery Systems

3000 West Segerstrom Avenue  
Santa Ana, CA 92704, USA  
Tel +1. 714.868.3700 • Fax +1. 714.668.0446