

SOLR[®]

Oxygen Booster Pump



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WHERE TECHNOLOGY **»** TAKES FLIGHT

SOLR[®]

OXYGEN BOOSTER PUMP

Compact, electrically driven booster pump for safe, efficient filling of high-pressure parachutist oxygen systems - up to 4,500 psi

Outlet Pressure

A two-position selector switch lets operators choose between two outlet modes. The pump shuts off automatically at the preset pressure to prevent overflow.

Mode A

- 3 outlets at 4,500 psi (e.g. bailout bottles)
- 1 outlets at 3,000 psi (e.g. oxygen console)

Mode B

- All 4 outlets at 3,000 psi

All outlets are user-adjustable to any pressure up to 4,500 psi. Custom factory presets available on request. Outlet pressure settings can be customized upon request.

Safety & Design

- Two safety relief valves - one for high-pressure outlets, one for low-pressure
- Two-stage pump design with non-lubricated drive section and sealed bearings
- Cooling fan and finned intercooler maintain thermal stability during fills
- Seals rated to 10,000 psi - more than double the maximum operating pressure
- Brass high-pressure manifold with two-position adjustable inlet shut-off valve
- Digital hour meter tracks operational time to guide service scheduling

Specifications

Outlets	4 total
High-pressure preset	4,500 psi x3
Low-pressure preset	3,000 psi x1
Max fill pressure	4,500 psi
Seal rating	10,000 psi
Weight	165 lb (75 kg)
Dimensions (L x W x H)	45 x 19 x 20.5 in
Inlet connector	CGA 540

*Designed for use with the SOLR 3000 and SOLR 4500 parachutist oxygen systems.
Also compatible with legacy systems including the PHAOS and PHANTOM.*