

The SOLR™ Oxygen Booster Pump can be used to safely and efficiently fill high pressure oxygen systems to pressures up to 4,500 psi. Although designed to be used with the SOLR™ 3000 and SOLR™ 4500 high pressure Parachutist Oxygen Systems, the SOLR™ Oxygen Booster Pump is compatible with legacy equipment including the PHAOS and PHANTOM systems.

In addition to the ability to fill to high pressures, the SOLR™ Oxygen Booster Pump provides an added measure of safety during oxygen replenishment. An innovative seal design and cooling method ensure filling of oxygen at near ambient temperature. Because temperature increases are a safety hazard during oxygen replenishment, the thermal stability provided by the SOLR™ Oxygen Booster Pump virtually eliminates fire hazards when filling pressurized systems.

The SOLR™ Oxygen Booster Pump is equipped with four outlets and a convenient two-position selector switch which allows users to operate the pump at two different outlet pressures. Upon reaching the preset limit, the pump will automatically shut down to prevent overpressurization.

The SOLR™ Oxygen Booster Pump is factory preset to accommodate either:

- Filling of three systems to 3,000 psi (e.g. bailout bottles) and 1 system to 1,800 psi (e.g. oxygen console).
- Filling of four systems to 1,800 psi.
- It can be easily adjusted to accommodate filling to any pressure up to 4,500 psi, whether on special request at the time of the order, or directly by the end user.



Key Features

- Three high pressure outlets preset at 3,000 psi
- One low pressure outlet preset at 1,800 psi
- All outlets can be adjusted by the end user to provide fill pressures to 4,500 psi
- Brass high pressure manifold
- Electrically driven pump (Available in 110 v/60 Hz and 220v/50 Hz)
- CGA 540 inlet connector
- Two position adjustable inlet shut-off valve
- Two-stage design
- Two Safety Relief Valves for high pressure and low pressure outlets
- Seals rated at 10,000 psi
- Non-lubricated drive section
- Sealed bearings
- Cooling fan and finned intercooler
- Fills oxygen cylinders at nearly ambient temperature
- Digital hour meter to track service life
- Easy maintenance (see service schedule)
- Weight: approximately 165 lb (75 kg)
- Dimensions approximately 45" x 19" x 20.5" (114 cm x 48 cm x 52 cm)

Service Schedule

- Every year or 40h: Service type I, duration: 30 min
- Every 5 years or 200h: Service type II, duration: 160 min (Training required)
- Every 10 years or 400h Service type III, duration: 225 min (Factory overhaul)

Electrical options

- Part Number 607542-0 and 607542-2: 110V, 18 AMPS, 60Hz
- Part Number 607542-1 and 607542-3: SOLR™ Oxygen Booster Pump, benchtop version, 3+1 outlets, 220V, 8 AMPS, 50Hz
- Other electrical options available upon request



Typical setup

Product Specifications

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|--------------------|-----------------|---|
| Part Number | 607542-0 | SOLR™ Oxygen Booster Pump, bench-top version, 3+1 outlets, 110V, 60Hz |
| Part Number | 607542-1 | SOLR™ Oxygen Booster Pump, bench-top version, 3+1 outlets, 220V, 50Hz |

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