

The SOLR® Oxygen Replenishment Cart is designed to fill high pressure cylinders of parachutist oxygen breathing 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 Replenishment Cart is compatible with legacy equipment including the PHAOS and PHANTOM systems.

Safer Oxygen Replenishment

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

The SOLR® Oxygen Replenishment Cart is equipped with nine 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 eight systems to 3,000 psi (e.g. bailout bottles) and 1 system to 1,800 psi (e.g. oxygen console).
- Filling of nine 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.

Service Schedule

- Every year or 40h: Service level 1, duration: 30 min
- Every 5 years or 200h: Service level 2 (200h), duration: 160 min (Training required)
- Every 10 years or 400h Service level 2 (400h), duration: 225 min (Training required)



Key Features

- Eight 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
- 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 near ambient temperature
- Digital hour meter to track service life
- Easy maintenance (see service schedule)

Electrical options

- Part Number 607542-2 BOOSTER PUMP, SOLR®, ORC, 110V, 60Hz, ASSY
- Part Number 607542-3 BOOSTER PUMP, SOLR®, ORC, 220V, 50Hz, ASSY
- Other electrical options available upon request