



# SOLR<sup>®</sup> ISO 4500

## 305 CU. IN. Pre-Breather



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WHERE TECHNOLOGY » TAKES FLIGHT

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305 CU. IN. PRE-BREATHER

The SOLR ISO 4500 Pre-Breather is the latest parachutist oxygen system designed by Airborne Systems. Intended to be a user-friendly and portable replacement for our Oxygen Console (OXCON) and an updated version of the existing SOLR 4500 Pre-Breather. Jumpers are given the ability to begin pre-breathing outside the aircraft and then mount the SOLR ISO 4500 Pre-Breather on its attachment system when they step inside, all while continuing to pre-breathe.

## Performance and Features

- ISO Certified cylinder
- Increased capacity
- Same manifold system as SOLR 4500 Pre-Breather
- Quickly and easily mounted into a multitude of military or civilian aircrafts
- Small enough to be carried in a rucksack
- Included: pressure gauge, pressure relief valve, charging port assembly, and a reducing regulator
- A quick disconnect assembly provides for interconnection to a hose that connects to the jumper bailout bottle
- No on/off switch, insuring a jumper connected is always breathing 100% oxygen coming from the pre-breather and not from the bailout bottle
- Attachment system PN 605701-1 can be used to attach up to 2 ISO SOLR 4500 Pre-Breathers in any aircraft

## Specifications

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|                                                   |                                           |
|---------------------------------------------------|-------------------------------------------|
| Medium                                            | 100% Oxygen                               |
| Cylinder Fill Pressure (Max)                      | 4500 psi or 310 bar                       |
| Outlet Pressure                                   | 65 - 75 psi                               |
| Weight (unfilled w/ pocket and hose)              | 9.9 lbs                                   |
| Weight (filled w/ pocket and hose)                | 12.4 lbs                                  |
|                                                   |                                           |
| Tested                                            | Per MIL-PRF-27210H                        |
| Overall Altitude Range                            | Sea Level to 35,000 feet MSL              |
| Lowest Operational Temperature                    | -65°F                                     |
| Maximum Exposure Temperature                      | 160°F                                     |
| Humidity                                          | 0-100% non-condensing                     |
| Recommended Maximum Long Term Storage Temperature | 90°F                                      |
| Recommended Long Term Storage Pressure            | 250 to 750 psi                            |
| Pre-Breathing Time                                | 140 minutes @ 10,000 ft MSL*              |
|                                                   | *Breathing rate per JSSG 2010-10:18 L/min |