

### Designed for Special Forces Operations

The OXCON 3000 Oxygen Console, which supplements the new SOLR™ 3000 and SOLR 4500 Bailout Bottles, is a portable, multi-station oxygen console designed to contain and distribute regulated oxygen for pre-breathing for users on board the transport aircraft. The OXCON 3000 is available in both a 6-Man and 8-Man version.

The OXCON 3000 Oxygen Console is constructed around the OXCON platform that is widely used by Special Forces and Special Operations Forces worldwide.

### More Pressure

Significant developments in very high pressure technology over the last few years have led to the implementation of higher pressure vessels in the OXCON 3000 that provide 70% more oxygen than the OXCONs currently in service.

These pressure vessels can be filled up to 3,000 psi (207 Bars) service pressure.

### Rugged and Reliable

The OXCON 3000 components are contained within a compact, rugged and reliable structure. It can be easily installed for missions requiring oxygen and can be recharged simply without disassembly and cleaning.

### Theory of Operation

Three storage cylinders each containing 900 cubic inches of oxygen at 3,000 psi are housed in the OXCON Oxygen Console. The cumulative pressure stored in the three cylinders is indicated on the cylinder pressure gauge, mounted on the top cover. Rotating the ON/OFF valve handle to ON releases high pressure oxygen from the storage cylinders and delivers it to the regulator where the oxygen pressure is reduced to a level compatible with the users oxygen supply system.



Picture shows the 6-Man OXCON 3000

Pressure from the regulator is delivered to the two quick connect manifolds and is directly readable on the outlet pressure gauges. The two quick connect manifolds each have three (6-Man) or four (8-Man) quick connect type fittings that extend through the top cover of the console to interface with the male fitting on the oxygen supply hose.

The oxygen flow rate available from the quick connect manifolds is sufficient to sustain six or eight jumpers for an estimated 135 min (or 101 min) duration at 10,000 feet MSL.

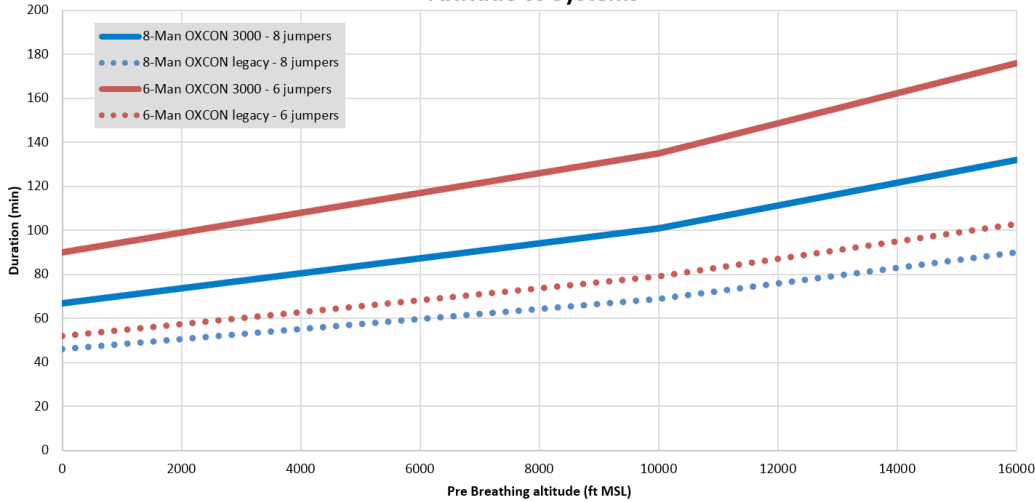
Rotating the ON/OFF valve handle to OFF discontinues the flow of high pressure oxygen to the regulator and downstream components.

### Mission Ready

All components have been designed or selected to conform to the relevant requirements of applicable military/government specifications:

- MIL-G-8402 Gauges, Pressure
- MS33649-8 Cylinder Port
- MIL-H-81581 Hose Assembly, Breathing Oxygen
- MIL-S-7720/QQ-S-763 Fittings
- MIL-R-17852C Reducer, Oxygen Pressure
- ASTM A269 Tubing
- DOT Approved 10945 Composite Cylinders

## Pre Breathing Duration vs Pre Breathing Altitude vs Systems



## OXCON 3000 Characteristics

### Part Number

6-Man	605650-0
8-Man	605660-0

### Console Dimensions

Length	38.5 in (97.8 cm)
Width	17 in (43.2 cm)
Height	16.5 in (41.9 cm)

### Weight

Uncharged Unit without Hoses	112 lb (50.8 kg)
Fully Charged	140.6 lb. (63.8 kg)

### Gauges

Cylinder Pressure	
Outlet Pressure	

### Manifold Outlets

Type	Quick-Disconnect (Female)
Quantity	6 or 8 Outlets

### Cylinders

Quantity	3
Volume (Per cylinder)	900 cu. in. (14.75L)
Volume (Total)	2700 cu. in. (44.25L)
Pressure (Max)	3000 psi (207 bar)
O <sub>2</sub> Capacity	323 cu. ft. (9,155 L)

### Regulator

Outlet Pressure	65 - 75 psi (4.5 – 5.2 bar)
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### Charging Port

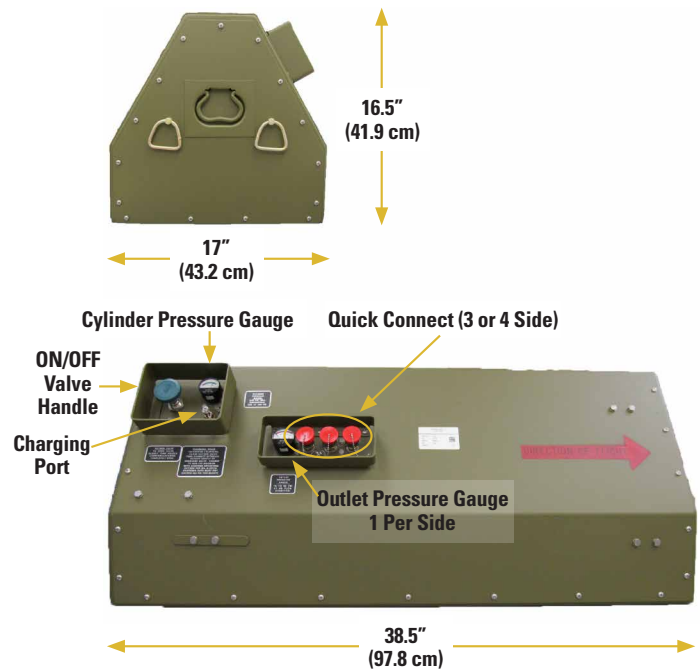
Size and Type (inlet)	Compatible with MS22066-3
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### Operational Parameters

Altitude	35,000 (ft max) 10,668 (meters)
Temperature	-30F (-34.4C) (min)

### Duration (per JSSG 2010-10: 18L/Min)

6-Man	135 Min @ 10,000 ft MSL
8-Man	101 Min @ 10,000 ft MSL



Picture shows the 6-Man OXCON 3000

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