

Designed for Special Forces Operations

The OXCON 3000 Oxygen Console, which supplements the new SOLR® 3000 Bailout Bottle, 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 with Less Weight

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 OXCON's 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.

Medical Grade Regulator

The OXCON 3000 Oxygen Console incorporates the proven design of a regulator developed for use in the commercial life support and medical oxygen-handling field.

The regulator, mounted beneath the console's top side servicing panel, reduces the internally-mounted supply cylinder pressure to provide a constant, usable system pressure of 70 psi (4.8 Bars). The manual on/off valve is rated to 5000 psi (344 Bars) heavy duty service. Its rugged construction allows for extended service life in the field. The multi-station manifolds mounted beneath the enclosure panels provide quick connects on each side of the OXCON 3000 housing.



System-Monitoring Gauges for Safety

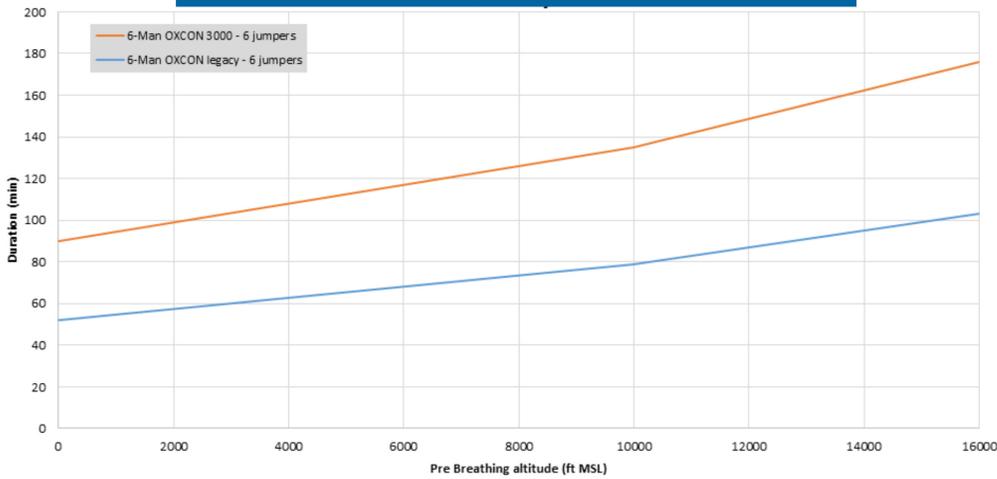
A low pressure system-monitoring gauge is provided on the servicing side manifold, conveniently located near the quick connects. The system charging valve is located near the on/off valve and high-pressure monitoring gauge. Three pressure gauges are provided with the OXCON 3000. A high pressure gauge indicates the available supply pressure from the pressure vessels. Two low-pressure gauges (one on each side) allow monitoring of the regulated outlet pressure at the quick connect manifolds. Both gauges conform to Military Standard (Mil Std) specifications. Protective guards are provided around control gauges and connections to minimize the risk of impact damage during handling. The OXCON 3000 Oxygen Console includes five 120" hose assemblies with flow blinker, one 216" hose assembly with flow blinker, one oxygen charging assembly, and one purging valve assembly.

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 SP 10945 Composite Cylinders

Pre-Breathing Duration vs Pre-Breathing Per System



Breathing rate per JSSG 2010-10: 18L/min

OXCON 3000 Characteristics

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	0-3000 psig (207 bar)
Regulator Pressure	0-160 psig (11 bar)

Manifold Outlets

Type	Quick-Disconnect (Female)
Thread Size	1/8-27 NPT(Male)
Quantity	6 or 8

Cylinders

Quantity	3
Capacity	900 cu. in. (each) 2700 cu. in. (total)
Pressure (nominal)	3000 psi (207 bar) (max)

Regulator

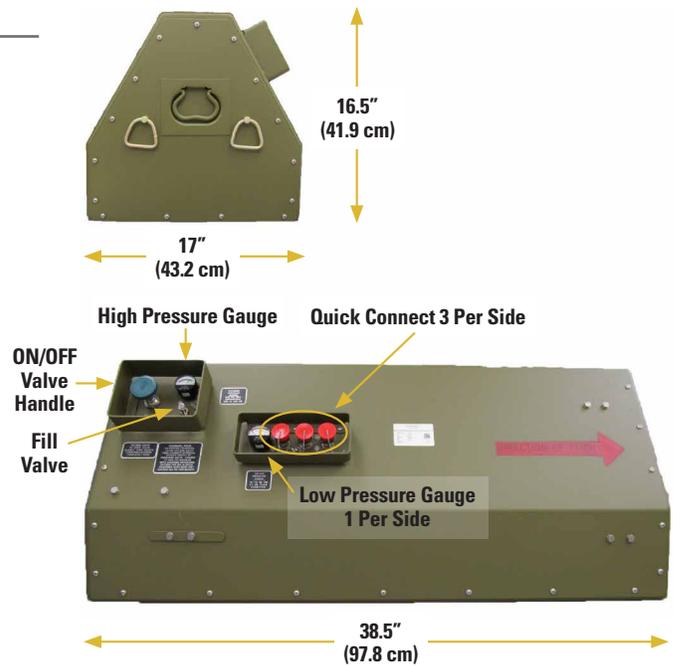
Inlet Pressure	3000 psi (207 bar) (max)
Outlet Pressure	65 - 75 psi (4.5 - 5.2 bar)

Charging Fitting

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)



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