

OXCON[®] 3000

Oxygen Console



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WHERE TECHNOLOGY **»** TAKES FLIGHT

OXCON[®] 3000

OXYGEN CONSOLE

The OXCON 3000 Oxygen Console is a portable, multi-station oxygen distribution system designed to support pre-breathing operations for 8-12 users aboard transport aircraft. Built on the proven OXCON platform currently fielded by Special Forces and Special Operations Forces worldwide.

Performance Advantages

Advances in high-pressure vessel technology enable the OXCON 3000 to deliver 70% more oxygen than legacy OXCON systems.

- Service pressure: 3,000 psi (207 bar)
- More oxygen, Less weight
- Rugged, compact, mission-ready
- Easily installed and removed from aircraft
- Rechargeable without disassembly or cleaning
- Designed for extended field service life

Regulation & Flow Control

- Medical-Grade Oxygen Regulator
- Regulator reduces cylinder pressure to a constant system pressure of 70 psi (4.8 bar) +/-5PSI
- Manual on/off valve rated to 5,000 psi (344 bar) for heavy-duty service
- Multi-station manifolds with quick-connect outlets on both sides of the housing

System Pressure Monitoring

- Three pressure gauges provided:
 - Once high-pressure gauge indicating available oxygen supply
 - Two low-pressure gauges (one per side) monitoring regulated outlet pressure
- All gauges conform to Military Standard (MIL-STD) requirements
- Protective guards minimize risk of impact damage during handling
- Charging valve located adjacent to on/off valve and high-pressure gauge for ease of servicing

Expansion Kit (Optional)

Increases capacity from 8 to 12 jumpers and improved hose organization
Consists of:

- (2) OXCON Expansion Manifolds with integrated textile container
- (6) 120" hoses with blinker and 1/8" coupler

Accessories

- (7) 120" hoses with flow blinkers
- 216" hose with blinker
- Charging assembly
- Purge assembly

Specifications

Console Dimensions

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

Weight

Uncharged Unit w/o 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	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)