



## OXYMOSS™ MISSION OXYGEN SUPPLY SYSTEM

# RUGGED, RELIABLE AND PORTABLE

### Versatile oxygen supply for crew and tactical staff

Collins Aerospace's Mission Oxygen Supply System (OXYMOSS) provides extended oxygen duration for special forces and other airborne military forces. A flexible, modular system using standardized, reliable components, OXYMOSS can be used as a stand-alone oxygen supply for crew members and tactical staff or to enhance the capacity of an aircraft oxygen system. You can configure OXYMOSS in a variety of ways with different cylinder sizes and number to meet mission requirements. Standardized control panels and ports make system training and usage easy.

The system's large capacity – up to 28,800 liters in six oxygen canisters – allows combat teams to carry out

multiple drops at up to 35,000 feet before returning to base. Additionally, the combat free fall console offers eight ports to support two 24-liter (200 bar/3,000 psi) oxygen cylinders per port.

Self-contained and portable, OXYMOSS meets the requirements for military air transport and operation. It mounts to the aircraft floor during flight with tie-down lashings. Grip handle bars make the unit more maneuverable in tight spaces. The humidity indicator and pressure relief valves are integrated for easy monitoring.

With components designed to withstand the rugged demand of special forces teams, there's no limit to the number of missions OXYMOSS will enable your teams to complete with scheduled routine maintenance by Collins Aerospace. Durable components ensure there's nothing to break down over time. Enhancements and upgrades are also made with scheduled maintenance.



#### KEY BENEFITS

- Integrates seamlessly with OXYJUMP™ oxygen supply system
- Optional to supply breathing air to additional staff or crew
- Specific mission configuration
- Increases mission safety with integrated oxygen test and warning system

#### OPTIONS

- Overboard discharge valve
- Centralized fill port
- Pressure gauge on each cylinder
- Ballistic protection



**SPECIFICATIONS**

Operating altitude	10,668 meters (35,000 ft)/(23.9 kPa abs)
Decompression altitude	2438.4 meters to 10,668.0 meters (8,000 ft to 35,000 ft) (75.2 kPa abs to 23.9.1 kPa abs)
Outlet flow	One to eight person with 100% oxygen at a means flow of 15 lpm ATPD per person and a peak flow up to 75 lpm ATPD per person
Operating pressure	4.5 to 7.0 barg
Oxygen cylinder	Composite cylinder with capacity of 8,200 liter NTDP at 207 barg
Mounting options	Strap able rack fixation in A/C or truck
Storage temperatures	Low    -55° C High    85° C
Operational temperatures	Low    -40° C High    70° C

Specifications subject to change without notice.



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