



LOX EQUIPMENT

**LIQUID OXYGEN FOR
AIR MEDICAL APPLICATIONS**

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BENEFITS OF LIQUID OXYGEN

Liquid Oxygen, or LOX, is a highly efficient method of oxygen storage and delivery. One liter of LOX expands to about 860 liters of gas. This enables a large quantity of oxygen to be stored in a small converter, saving both space and weight on an aircraft. Being lightweight, converters are easy to handle, which can decrease injuries caused by lifting heavy cylinders. Used by the U.S. military for more than 50 years, LOX equipment is reliable and rugged enough for battlefield environments. LOX converters, as low pressure systems, are less volatile than high pressure cylinders, and therefore safer in the event of an accident.



7 Liter LOX Converter



10 Liter LOX Converter



10 Liter LOX Ready to Install (RTI)

P/N	10C-0059-7 (Removable)	10C-0016-16 (Removable)	10C-0045-10, -11, -12 (Removable)
CAPACITY	7 Liters	10 Liters	10 Liters
W x L x H	7.3 x 29.0 in 18.5 x 73.7 cm	12.4 x 15.0 x 12.5 in 31.5 x 38.1 x 31.6 cm	16.0 x 18.5 x 18.5 in 40.6 x 47.0 x 47.0 cm
WEIGHT, FULL	39.0 lbs 17.7 kg	45 lbs 19.9 kg	75.0 lbs 34.0 kg
WEIGHT, EMPTY	21.0 lbs 9.5 kg	20.0 lbs 8.2 kg	50.0 LBS 22.7 kg
TOTAL GASEOUS VOLUME	6,020 Liters	8,600 Liters	8,600 Liters
OPERATING PRESSURE	75.0-120.0 psig 5.2-8.3 bar	75.0-120.0 psig 5.2-8.3 bar	75.0-120.0 psig 5.2-8.3 bar
MAX FLOW RATE	50 LPM	72 LPM	100 LPM
DELIVERY OUTLET PRESSURE	50.0 ± 5.0 psig 3.5 ± 0.3 bar	50.0 ± 5.0 psig 3.5 ± 0.3 bar	50.0 ± 5.0 psig 3.5 ± 0.3 bar
OPERATING TEMPERATURE	-20.0° F TO 120.0° F -22.9° C TO 48.9° C	-65.0° F TO 260.0° F -53.9° C TO 126.7° C	-65.0° F TO 260.0° F -53.9° C TO 126.7° C
EVAPORATION RATE	5.9 DAYS UNTIL EMPTY	8.4 DAYS UNTIL EMPTY	8.4 DAYS UNTIL EMPTY





Backpack Medical Oxygen System (BMOS)

P/N	P/N 50C-0089-4
CAPACITY	2 Liters
W x L x H	7.5 x 17.5 x 6.5 in 19.1 x 44.5 x 16.5 cm
WEIGHT, FULL	19.0 lbs 8.6 kg
WEIGHT, EMPTY	14.0 lbs 6.4 kg
TOTAL GASEOUS VOLUME	1,720 Liters
OPERATING PRESSURE	75.0-120.0 psig 3.1-4.4 bar
MAX FLOW RATE	15 LPM
DELIVERY OUTLET PRESSURE	50.0 ± 5.0 psig 3.5 ± 0.3
OPERATING TEMPERATURE	32.0° F TO 120.0° F 0.0° C TO 48.9° C
FLOW CONTROL VALVE	BUILT-IN, 0 TO 15 LPM WITH 11 SETTINGS (0.5, 1, 2, 3, 4, 5, 6, 8, 10, 12, 15 LPM)
INDICATOR	BATTERY POWERED (SIX - AA)
EVAPORATION RATE	2.5 DAYS UNTIL EMPTY



Mounted Medical Oxygen System (MMOS)

P/N	P/N 50C-0105-1
CAPACITY	4 Liters
W x L x H	11.2 x 17.0 x 9.0 in 28.5 x 43.2 x 22.9 cm
WEIGHT, FULL	35.0 lbs 15.9 kg
WEIGHT, EMPTY	25.0 lbs 11.3 kg
TOTAL GASEOUS VOLUME	3,440 Liters
OPERATING PRESSURE	85.0-120.0 psig 5.9-8.3 bar
MAX FLOW RATE	30 LPM
DELIVERY OUTLET PRESSURE	50.0 ± 5.0 psig 3.5 ± 0.3
OPERATING TEMPERATURE	-40.0° F TO 130.0° F -40.0° C TO 54.4° C
FLOW CONTROL VALVE	BUILT-IN, 0 TO 15 LPM WITH 11 SETTINGS (0.5, 1, 2, 3, 4, 5, 6, 8, 10, 12, 15 LPM)
INDICATOR	BATTERY POWERED (ONE 9 - VOLT BATTERY)
EVAPORATION RATE	4.0 DAYS UNTIL EMPTY

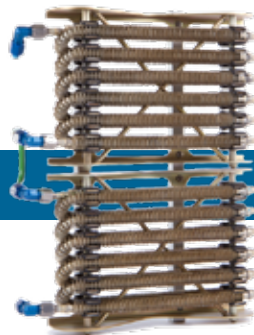
LOX ACCESSORIES



Oxygen Wall Outlet
P/N 8320450300-5



Oxygen Quantity Indicator
P/N 50C-0048-10



Heat Exchanger
P/N 50C-0007



Purge Kit
P/N 50C-0068-2



LOX Fill Harness Kit
P/N 50C-0097-10, -15

FLOW DIAGRAMS

