



# 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.



**10 Liter LOX Ready to Install (RTI)**



**10 Liter LOX Converter**



**7 Liter LOX Converter**

<b>P/N</b>	10C-0045-10, -11, -12 (Removable)	10C-0016-16T (Removable)	10C-0059-7 (Removable)
<b>CAPACITY</b>	10 Liters	10 Liters	7 Liters
<b>W x L x H</b>	16.0 x 18.5 x 18.5 in   40.6 x 47.0 x 47.0 cm	12.4 x 15.0 x 12.5 in   31.5 x 38.1 x 31.6 cm	7.3 x 29.0 in   18.5 x 73.7 cm
<b>WEIGHT, FULL</b>	75.0 lbs   34.0 kg	45 lbs   19.9 kg	39.0 lbs   17.7 kg
<b>WEIGHT, EMPTY</b>	50.0 lbs   22.7 kg	20.0 lbs   8.2 kg	21.0 lbs   9.5 kg
<b>TOTAL GASEOUS VOLUME</b>	8,600 Liters	8,600 Liters	6,020 Liters
<b>OPERATING PRESSURE</b>	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
<b>MAX FLOW RATE</b>	100 L/min	72 L/min	50 L/min
<b>DELIVERY OUTLET PRESSURE</b>	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
<b>OPERATING TEMPERATURE</b>	-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	-20.0° F TO 120.0° F   -22.9° C TO 48.9° C
<b>FLOW CONTROL VALVE</b>	Oxygen Wall Outlet (Sold Separately)	Oxygen Wall Outlet (Sold Separately)	Oxygen Wall Outlet (Sold Separately)
<b>QUANTITY INDICATOR</b>	Optional Integrated Indicator or Remote (Sold Separately)	Remote Mounted Indicator (Sold Separately)	Remote Mounted Indicator (Sold Separately)
<b>EVAPORATION RATE</b>	8.4 Days Until Empty	8.4 Days Until Empty	5.9 Days Until Empty





### 5 Liter LOX Converter

<b>P/N</b>	10C-0020-9T (Removable)
<b>CAPACITY</b>	5 Liters
<b>W x L x H</b>	12.4 x 15 x 9.5 in   31.4 x 38.1 x 24.1 cm
<b>WEIGHT, FULL</b>	28.0 lbs   12.7 kg
<b>WEIGHT, EMPTY</b>	15.0 lbs   6.8 kg
<b>TOTAL GASEOUS VOLUME</b>	4,300 Liters
<b>OPERATING PRESSURE</b>	72.0-120.0 psig   3.9-8.3 bar
<b>MAX FLOW RATE</b>	72 L/min
<b>DELIVERY OUTLET PRESSURE</b>	50.0 ± 5.0 psig   3.5 ± 0.3 bar
<b>OPERATING TEMPERATURE</b>	-65.0° F TO 260.0° F   -53.9° C TO 126.7° C
<b>FLOW CONTROL VALVE</b>	Oxygen Wall Outlet, (Sold Separately)
<b>QUANTITY INDICATOR</b>	Remote Mounted Indicator (Sold Separately)
<b>EVAPORATION RATE</b>	4.2 Days Until Empty



### Mounted Medical Oxygen System (MMOS)

<b>P/N</b>	50C-0105-1 (Removable)
<b>CAPACITY</b>	4 Liters
<b>W x L x H</b>	11.2 x 17.0 x 9.0 in   28.5 x 43.2 x 22.9 cm
<b>WEIGHT, FULL</b>	35.0 lbs   15.9 kg
<b>WEIGHT, EMPTY</b>	25.0 lbs   11.3 kg
<b>TOTAL GASEOUS VOLUME</b>	3,440 Liters
<b>OPERATING PRESSURE</b>	85.0-120.0 psig   5.9-8.3 bar
<b>MAX FLOW RATE</b>	30 L/min
<b>DELIVERY OUTLET PRESSURE</b>	50.0 ± 5.0 psig   3.5 ± 0.3
<b>OPERATING TEMPERATURE</b>	-40.0° F TO 130.0° F   -40.0° C TO 54.4° C
<b>FLOW CONTROL VALVE</b>	Built-In, 0 to 15 LPM with 11 Settings (0.5, 1, 2, 3, 4, 5, 6, 8, 10, 12, 15 LPM)
<b>QUANTITY INDICATOR</b>	Built-In Battery Powered (One 9 - Volt Battery)
<b>EVAPORATION RATE</b>	4.0 Days Until Empty

## LOX ACCESSORIES



### Oxygen Wall Outlet

P/N 8320450300-21  
(Other outlet fitting configurations available)



### Air Wall Outlet

P/N 8310450300-11  
(Other outlet fitting configurations available)



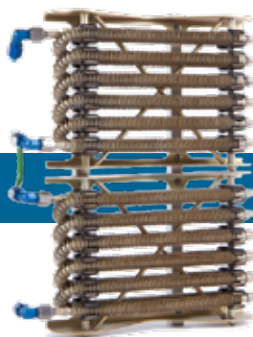
### Vacuum Wall Outlet

P/N 8330450100-1  
(Other outlet fitting configurations available)



### 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

