



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

P/N	10C-0045-10, -11, -12 (Removable)	10C-0016-16T (Removable)	10C-0059-7 (Removable)
CAPACITY	10 Liters	10 Liters	7 Liters
W x L x H	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
WEIGHT, FULL	75.0 lbs 34.0 kg	45 lbs 19.9 kg	39.0 lbs 17.7 kg
WEIGHT, EMPTY	50.0 lbs 22.7 kg	20.0 lbs 8.2 kg	21.0 lbs 9.5 kg
TOTAL GASEOUS VOLUME	8,600 Liters	8,600 Liters	6,020 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	100 L/min	72 L/min	50 L/min
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	-13.0° F TO 140.0° F -25.0° C TO 60.0° 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
FLOW CONTROL VALVE	Oxygen Wall Outlet (Sold Separately)	Oxygen Wall Outlet (Sold Separately)	Oxygen Wall Outlet (Sold Separately)
QUANTITY INDICATOR	Optional Integrated Indicator or Remote (Sold Separately)	Remote Mounted Indicator (Sold Separately)	Remote Mounted Indicator (Sold Separately)
EVAPORATION RATE	8.4 Days Until Empty	8.4 Days Until Empty	5.9 Days Until Empty





5 Liter LOX Converter

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



Mounted Medical Oxygen System (MMOS)

P/N	50C-0105-1 (Removable)
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 L/min
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)
QUANTITY INDICATOR	Built-In Battery Powered (One 9 - Volt Battery)
EVAPORATION RATE	4.0 Days Until Empty

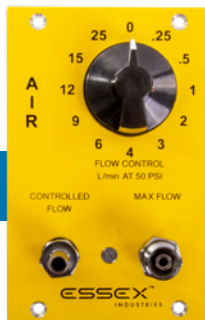
LOX ACCESSORIES



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

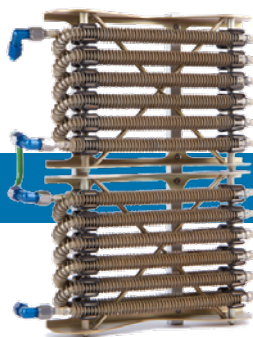
P/N 8330450100-1

(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



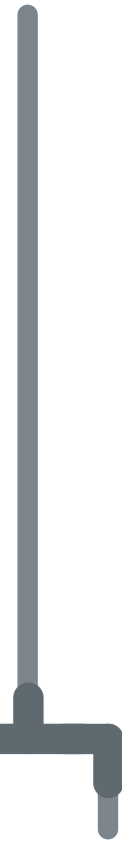
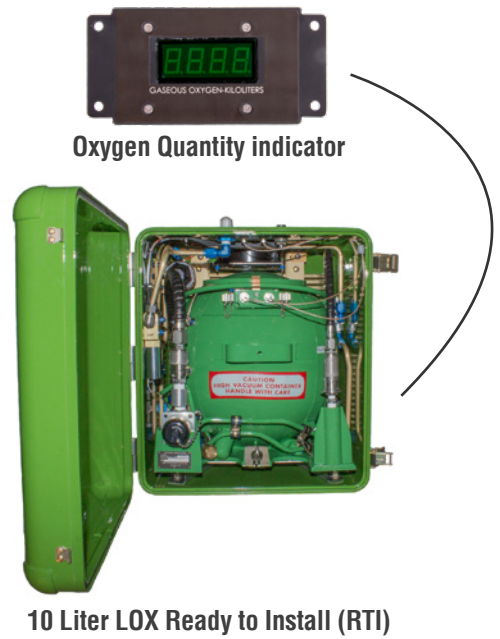
Heat Exchanger



Pressure Reducer



Oxygen Wall Outlets



Oxygen Wall Outlets