

The Oxygen Generator and Liquefier (OGL) liquefies, stores, and fills liquid oxygen (LOX)

- FDA 510(k) Clearance Number K131990
- Generates 1 liquid liter of 93% USP oxygen per hour
- Onboard LOX storage vessel
- Able to fill BMOS, BMOS-FS, MMOS, NPTLOX and PTLOX
- System performance data logging and fault output capability
- PC boards with on-board watchdog timer
- Designed for reliability in harsh conditions (0° - 120°F)
- Automatically starts and stops based on liquid level in the 40 liter tank
- Provides 11 L/min 93% USP gas for filling HP cylinders.
- Washable/Reusable Filters

Japanese Ministry of Defense selected Essex Industries Life Support Systems

ESSEX Industries Life Support Systems were selected, tested, and successfully implemented by the Japanese Ministry of Defense during the rescue operations and relief efforts following the devastating 2011 earthquake and tsunami disaster.



Applications

Medevac (fixed and rotary wing), ground transport, parachutist and ground evacuation.

P/N 50C-0103-5 (tan)
NSN 3655-01-601-2119
P/N 50C-0103-7 (dark green)



OGL



BMOS-FS

FDA 510(K) Class II Approved | Portable Low Pressure LOX Storage & Gaseous Delivery Systems



P/N 50C-0105-1 | FDA# K113767

Mounted Medical Oxygen System (MMOS)

4 Liter | MIL-STD-810 | 35lbs (full) | Requires no external power

APPLICATIONS

Can be carried by ground support personnel and can also be mounted in an aircraft, helicopter, or ground vehicle.



P/N 50C-0089-4
NSN 3655-01-598-9565 | FDA# 071581

Backpack Medical Oxygen System (BMOS)

2 Liter | MIL-STD-810 | 19 lbs (full) | Requires no external power

APPLICATIONS

Can be carried or worn by parachutists and ground support personnel.



P/N 50C-0083-1
NSN 6530-01-585-4676 | FDA# K033000

Next Generation Portable Therapeutic Liquid Oxygen System (NPTLOX)

20 Liter | 150 lbs (full)

APPLICATIONS

Can be carried by ground support personnel and can also be mounted in an aircraft or ground vehicle.



P/N 50C-0021-1
NSN 6530-01-9494 | FDA# K880183

Portable Therapeutic Liquid Oxygen System (PTLOX)

10 Liter | 80 lbs (full) | LOX Storage and gaseous delivery system

APPLICATIONS

Can be carried by ground support personnel and can also be mounted in an aircraft or ground vehicle.

QUALITY & COMPLIANCE

AllClear Aerospace & Defense is committed to quality, continuous improvement, and full regulatory compliance at every level of the organization through AS9120 and ISO 9100:2008 certifications, implementing lean processes, continuous quality improvement training initiatives, and a customer service focused business model. Our in-house legal and compliance teams maintain robust processes and procedures to comply with all federal, state, and local regulations including ITAR, EAR, and the FCPA.