



EMERGENCY PASSENGER OXYGEN SYSTEM (EPOS)

FEATURES

- Up to 60 minutes of protection
- Durable packaging
- Lightweight and portable
- 360° visibility
- 10+ year shelf life

The Emergency Passenger Oxygen System (EPOS) is a self-contained protective breathing device intended for trained individuals in military aircraft emergencies such as decompression, fire, evacuation, rescue, smoke-filled cabins, toxic fumes or hazardous cargo spills. The EPOS utilizes compressed aviator grade oxygen and CO₂ scrubbers to furnish up to 60 minutes for someone at rest. The patented hood provides 360° visibility and dons in less than 15 seconds. Used by USAF and other air forces around the world.



W"x L"x H"	2 x 9 1/2 x 7 1/2
WEIGHT	2 LBS.
TIME DURATION	20 MINUTES DEPENDING ON WORKLOAD LEVEL AND PHYSICAL CONDITION. UP TO 60 MINUTES FOR A PERSON SITTING, WAITING TO BE RESCUED.
SOURCE OF BREATHABLE AIR	AVIATOR GRADE COMPRESSED OXYGEN. O ₂ CYLINDER, WITH OVERPRESSURE PROTECTION TO PREVENT RUPTURE.
CARBON DIOXIDE CONTROL	PATENTED PASSIVE SCRUBBERS
DONNING TIME	LESS THAN 15 SECONDS
CARBON DIOXIDE (MAX AVERAGE)	4%
OXYGEN (MINIMUM VALUE)	18%
OXYGEN ACTIVATION	MANUAL FOR SCU AND SEMI-AUTOMATIC FOR EPOS
SHelf LIFE	10-YEARS 6-MONTHS FROM THE DATE OF MANUFACTURE
SIZING/FITTING	FITS 5TH TO 95TH PERCENTILE ADULTS WITHOUT ADJUSTMENT
VISIBILITY	360°
ORAL COMMUNICATION	EFFECTIVE AT 12 FEET
INSIDE HOOD TEMPERATURE	104°F MAX @ 68°F AMBIENT
OPERATING TEMPERATURE RANGE	5° F TO 120° F
STOWAGE TEMPERATURE RANGE	-20° F TO 185° F
CABIN PRESSURE ALTITUDE	8,000 FEET
THERMAL RESISTANCE	RADIANT HEAT - 1.0 BTU/SQ. FT. FOR UP TO 60 SECONDS, DRIPPING THERMOPLASTIC - 390°F, TRANSIENT FLAME - 1800°F FOR 5 SECONDS
PROTECTION FACTOR RATIO (TYPICAL)	260 @ 80 WATTS