



SELF-CONTAINED UNIT (SCU)

FEATURES

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

The Self-Contained Unit (SCU) is a lightweight, portable, protective breathing device. Designed to safeguard a passenger or crewmember, the SCU provides up to 60 minutes of protection from the effects of decompression, smoke, carbon dioxide, harmful gases or oxygen deficiency during an in-flight emergency on private aircraft. The patented hood takes less than 15 seconds to don and provides 360° visibility allowing the wearer to see, hear, talk and move freely.



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