

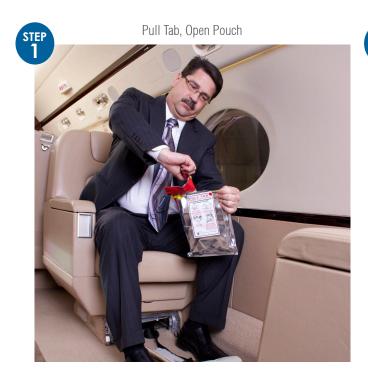
Essex offers both the **PBE (PROTECTIVE BREATHING EQUIPMENT)** for crewmembers and the **SCU (SELF-CONTAINED UNIT)** for passengers and crew to provide compressed aviator grade oxygen in an aircraft emergency. The PBE is currently used by nearly every US commercial carrier and has FAA TSO-C116, TSO-C99, CAA, EASA, CAAC and ANAC approvals.

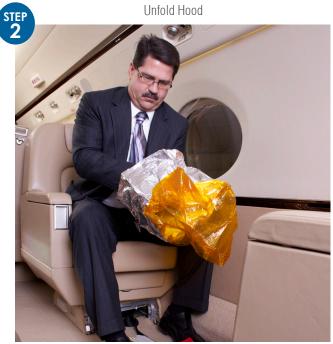
- Protects Against Toxic Fumes & Smoke
- Dons in Just 15 Seconds
- Wide Range of Visibility
- No Mouth Piece Allows for Communication
- One Size Fits Most Adults
- 10 ½ Year Shelf Life

	PBE	SCU
W"x L"x H" IN FABRIC POUCH	16 x 2 x 11	9½ x 2 x 7½
WEIGHT	3.3 LBS.	2 LBS.
PROVIDES PROTECTION AGAINST	TOXIC FUMES, SMOKE & HEAT	
TIME DURATION (DEPENDS ON WORKLOAD & PHYSICAL CONDITION)	UP TO 60 MINUTES	20 MINUTES
SOURCE OF BREATHABLE AIR	AVIATOR GRADE COMPRESSED OXYGEN. 0_2 CYLINDER, WITH OVERPRESSURE PROTECTION TO PREVENT RUPTURE.	
SYSTEM TYPE	CLOSED CIRCUIT REBREATHER SYSTEM	
HERMETICALLY SEALED	✓	
CARBON DIOXIDE CONTROL	PATENTED PASSIVE SCRUBBERS	
DONNING TIME	15 SECONDS	
CARBON DIOXIDE (MAX AVERAGE)	4%	
OXYGEN (MINIMUM VALUE)		8%
OXYGEN ACTIVATION	SEMI-AUTOMATIC	MANUAL
SHELF LIFE	10-YEARS 6-MONTHS FROM THE DATE OF MANUFACTURE	
HUMIDITY INDICATOR	√ 	
SERVICE INDICATOR	✓	—
TAMPER EVIDENT SEALS	✓	_
SIZING/FITTING	FITS 5TH TO 95TH PERCENTILE ADULTS WITHOUT ADJUSTMENT	
VISIBILITY	270°	360°
ANTI-FOG	✓	
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	
VARIOUS STOWAGE OPTIONS	15 DIFFERENT STOWAGE OPTIONS AVAILABLE —	
PACKAGING	SOFT POUCH AND HARD CASES AVAILABLE	SOFT POUCH ONLY

TYPICAL DONNING PROCEDURE

EXAMPLE SHOWN IS FOR THE SCU ONLY









WARNING: Remove the hood immediately if the hood fails to slowly inflate after donning or if it collapses up against the face.

Essex Industries, Inc. | 7700 Gravois Road | St. Louis, MO 63123 | P 314.832.4500 | F 314.832.1633 | **essexindustries.com**