



The Essex PBE is a lightweight, portable, self-contained, personal breathing device designed to safeguard flight attendants and crewmembers from the effects of smoke, carbon dioxide, harmful gases and oxygen deficiency while managing an aircraft emergency.

SAFE CONSTRUCTION

The Essex PBE utilizes compressed oxygen cylinders and patented passive scrubbers for CO₂ removal, unlike other products that use chemical-oxygen generators.

The PBE also features a battery powered green and red light service/end-of-service indicator, reassuring the wearer that the unit is functioning properly and providing a signal when the service life has ended.

EASY TO USE

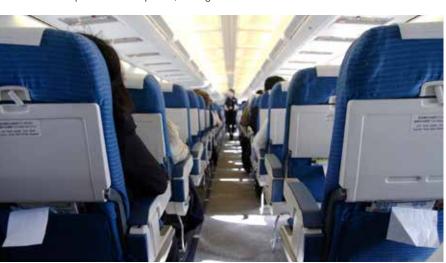
The PBE dons in just 15 seconds. The hood provides 270° of visibility and allows for communication as no oral/nasal mask is required.

LIGHTWEIGHT

The Essex PBE is thin, flexible and easy to wear. It has the lightest stowage and end use weight, with a variety of stowage options to meet any requirement.

The PBE is a proven design that has been in service worldwide in commercial aviation fleets since 1989. Thousands of units have been actuated over the years in product development, testing and actual use.





DONS IN JUST 15 SECONDS



Federal Aviation Administration (FAA) approved to: TSO-C116, Crewmember Protective Breathing Equipment and TSO-C99, Crewmember Protective Breathing Equipment Civil Aviation Authority (CAA) approved (United Kingdom) Civil Aviation Authority of China (CAAC) approved Brazilian Civil Aviation Authority (ANAC) approved European Aviation Safety Agency (EASA) approved to: ETSO-C116, Crewmember Protective Breathing Equipment and ETSO-C99, Crewmember Protective Breathing Equipment

SPECIFICATIONS

W"x L"x H" WEIGHT TIME DURATION

SOURCE OF BREATHABLE AIR

CARBON DIOXIDE CONTROL **DONNING TIME**

CARBON DIOXIDE (MAX AVERAGE) **OXYGEN (MINIMUM VALUE)**

OXYGEN ACTIVATION

SHELF LIFE SIZING/FITTING

VISIBILITY

ORAL COMMUNICATION **INSIDE HOOD TEMPERATURE**

OPERATING TEMPERATURE RANGE STOWAGE TEMPERATURE RANGE **CABIN PRESSURE ALTITUDE**

THERMAL RESISTANCE

16 x 2 x 11 (HOOD FOLDED IN POUCH. NO BRACKET) 3.2 LBS (HOOD AS WORN. NO POUCH)

UP TO 60 MINUTES, 15 MINUTES MINIMUM UNDER HEAVY WORKLOAD AVIATOR GRADE COMPRESSED OXYGEN. O. CYLINDER, WITH OVERPRESSURE PROTECTION TO PREVENT RUPTURE.

PATENTED PASSIVE SCRUBBERS

LESS THAN 15 SECONDS

4% 18%

SEMI-AUTOMATIC

10-YEARS 6-MONTHS FROM THE DATE OF MANUFACTURE FITS 5TH TO 95TH PERCENTILE ADULTS WITHOUT ADJUSTMENT

EFFECTIVE AT 12 FEET

104°F MAX @ 68°F AMBIENT

5° F TO 120° F -20° F TO 185° F

8,000 FEET

RADIANT HEAT - 1.0 BTU/SQ. FT. FOR UP TO 60 SECONDS,

DRIPPING THERMOPLASTIC - 390°F.

TRANSIENT FLAME - 1800°F FOR 5 SECONDS

260 @ 80 WATTS

MULTIPLE STOWAGE OPTIONS AVAILABLE

PROTECTION FACTOR RATIO (TYPICAL) STOWAGE OPTIONS

> **▲WARNING:** THIS PRODUCT CAN EXPOSE YOU TO CHEMICALS INCLUDING LEAD, WHICH KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. FOR MORE INFORMATION GO TO www.P65Warnings.ca.gov.