



**SAFETY, STOWABILITY AND FUEL & SPACE SAVINGS**  
 Essex PB&R Corp.'s PBE supplies oxygen to the wearer through the use of compressed aviators grade oxygen. Our PBE is small enough to minimize the need for stowage space, yet designed for rapid dispensing and donning. And just as important, our PBE is the lightest weighing PBE, therefore the most fuel-efficient unit on the market (up to a full pound-and-a-half lighter than other PBE's \*!).

**EASIEST TO WEAR AND TO USE**

Our PBE takes only seconds to don and doff. Its unique design eliminates the need for an oral/nasal mask that wastes precious time to fit properly around the nose and mouth. Our system has a truly "one-size fits most" neck seal design. The elastic, fully sealable neck seal needs no adjustment... you just slip it on or off. It's that simple.

\*Weight is dependent upon stowage option.

**PBE STOWAGE OPTIONS**

YOU HAVE MANY OPTIONS WHEN STOWING OUR PBE... PLEASE CONSULT [WWW.SMOKEHOODS.COM](http://WWW.SMOKEHOODS.COM) FOR THE CURRENT CONFIGURATIONS.

An Essex Industries Company  
[www.essexind.com](http://www.essexind.com)



MR-10035N  
 MR-10036N (Top Viewing Window)  
 MR-10037N (Top Viewing Window)  
 MR-10046NY  
 MR-10046NS  
 MR-10042N (without VSI Hole)  
 MR-10049N  
 MR-10022N  
 MR-10034N (Top Viewing Window)  
 MR-10050N (Top Viewing Window)  
 MR-10042N (with VSI Plug)

**PBE SPECIFICATIONS**

**DURATION OF USE**

- 15 minutes against the workload specified in TSO C-116 & C-99 (test data available)
- Single use only

**SOURCE OF BREATHABLE AIR**

- Aviators Grade compressed oxygen bottle with overpressure protection to prevent accidental rupture

**DONNING TIME**

- 15 seconds

**VISIBILITY**

- 270° visibility through an amber-tinted hood
- Ability to read "exit sign" from 16 feet with maximum misting

**COMMUNICATIONS**

- Effective from 13 feet and is compatible with all aircraft intercoms/interphones

**FITTING**

- No special fitting required: one-size fits up to 95% or more of all adults

**MATERIALS**

- Hood is made of heat- and chemical-resistant Polyimide and Perfluoroalkoxy (PFA) Films
- Neck seal is made of a durable elastomer
- Interior scrubber material converts Carbon Dioxide into clean, useable air

**DIMENSIONS & WEIGHT**

- Please see our website for the most updated data

**TEMPERATURE RANGES**

- Inside Hood: 104° F (max) at 68° F (ambient); Stowage: From +185° F to -20° F; Working: From +120° F to 5° F; Thermal Resistance: Radiant Heat at 1.0 BTU/ft<sup>2</sup> per second for 60 seconds, Dripping Thermoplastics at +390° F, and Transient Flame at +1800° F

**WARRANTY**

- 10 years, 6 months (provided that the pouch is not open)

**INSPECTION METHOD**

- Visual. Humidity Indicator included.

**PROTECTION FACTOR**

- Over 300 (at 80 Watts)



**PBE**

PROTECTIVE BREATHING EQUIPMENT

**Essex PB&R Corp.**  
 8007 Chivvis Drive  
 Saint Louis, Missouri 63123  
 USA

1.800.296.7587  
 1.314.351.6116

[www.smokehoods.com](http://www.smokehoods.com)