

PBE P/N 15-40F-11

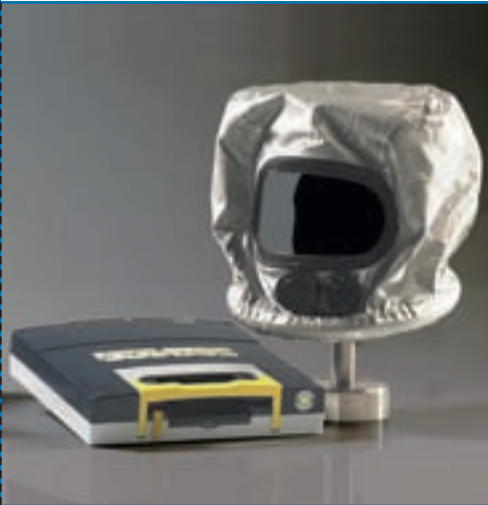
Protective Breathing Equipment



The Air Liquide Protective Breathing Equipment (PBE) supplies oxygen immediately after being activated and provides flight crewmembers increased safety and confidence during emergency situations in accordance to TSO C116.

The PBE 15-40F-11 offers the following advantages:

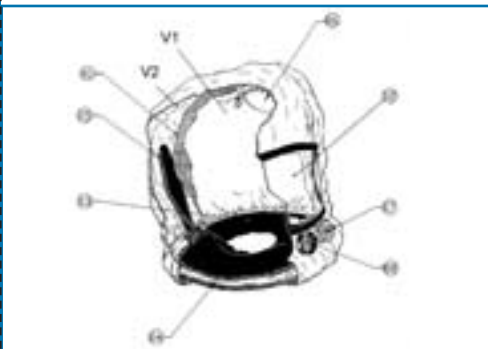
- A flexible enclosure consisting of a double envelope (inner and outer material shell) simulating the “lung effect” (Air Liquide’s patent).
- The Air Liquide PBE is easily donned and fully operational in less than 8 seconds with a natural sequence.
- Unlike bulky chemical units which generate heat, the Air Liquide PBE uses compressed gas to deliver oxygen.
- Weighting only 3.08 lbs, the Air Liquide PBE is the lightest on the market. When worn, the perfectly balanced oxygen ring creates a perfect fit without requiring neck seal adjustments. In the severest of head movements, the PBE remains stable and secured.
- The PBE’s semi-rigid visor, treated with an anti-fog and anti-scratching coating, provides unparalleled visibility with zero distortion compared to folded visor design.



The Air Liquide PBE protects the eyes and the respiratory tract from hazardous fumes and irritants.

Technical specifications:

- Maximum duration: 15' operating time*
 - O2 start up is fully automatic while donning
 - Oxygen source specifications :
Pressure: 2175 PSI (150 bar)
Capacity: 39 liters NTPD
 - Shelf life: 10 years.
 - Maximum temperature inside the hood: 103° F (39,5°C)*.
 - Weight:
Hood alone: 3.08 lbs (1.4 kg).
Packed weight: 5.29 lbs (2.4 kg).
 - Packed dimensions: 12.40 x 12.40 x 2.76 inches (315x315x70 mm).
- * Following TSO C116



1. Flexible enclosure with two volumes V1 and V2.
2. Visor.
3. Collar seal neck.
4. Compressed oxygen container.
5. Automatic activation system.
6. CO2 absorption system.
7. Relief valve.
8. Phonic membrane.

Air Liquide DTA Certificates:

FAA Qualified : TSO C116
 Civil Aviation qualified : QAC 168
 CAA qualified (Civil Aviation Authority)
 IACLAR qualified (Russia)
 Production Organisation Approval Certification :
 FR.21G.0068
 Maintenance Organisation Approval
 Certification : FR 145-251



Range of Equipment

DESIGNATION	PART NUMBER	QUALIFICATION	USE
PBE	15-40F-11	Comply with above qualifications	15' on aircraft
PBE	15-40E011	Manufacturer	Inactive Training
PBE	15-40E11	Manufacturer	Active Training

Option available:

Accessory Item: custom mounting brackets for easy retrofit when remplacing any existing PBE available on the market.

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