



emergency escape breathing device

The Scott emergency escape breathing device (EEBD) provides respiratory and eye protection to the user in oxygen-deficient, smoke-laden or other toxic atmospheres. This device features a loose-fitting, universal size hood with a comfortable inner neck seal which protects the wearer's head. By virtue of its design, the device can accommodate beards, long hair and glasses without excess leakage. Unlike a face-piece or mouthbit design, the use of a hood permits oral communication without compromising protection. A lightweight life support pack attached to the hood is worn behind the neck.

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AVIATION

emergency escape breathing device

The system consists of four major components: a solid state oxygen supply source; a chemical scrubber for carbon dioxide and water vapor; a loose-fitting hood with a head harness and neck seal to enclose the head and provide the respirable environment; and a venturi "pumping" arrangement, powered by the oxygen generator, which recirculates the breathing gas within the system loop consisting of the scrubber and the hood. The hood serves as a counter lung to the user's respiratory system and surplus system gas is vented through a protected relief valve. The device is supplied with its own case for safe storage, easy mounting and accessibility.



Double Hood Type
Part Number #802300-01
N.S.N. 4240-01-116-9888
802300-11, same with flame retardant case, TSO-C99 approval. Featuring a double layered hood for added protection, this unit is being supplied as standard equipment throughout the U.S. Naval Fleet and is in use by other government agencies worldwide.

Double Hood Trainer

Part Number #802390-03
N.S.N. 4240-01-116-9889

Featuring replaceable neck seal and re-arming device for repeated donning and doffing exercises, this non-functioning unit is intended for training of personnel in the use of the 802300-01 functional unit.



Single Hood Type "Scram"
Part Number #802300-02
NIOSH Approved

Developed for use by the petrochemical, nuclear and underground construction industry, this unit has gained acceptance in the commercial aircraft market for emergency use by flight crew members. It functions identically to the government version but provides a single layered hood construction and slightly reduced overall weight.

Single Hood Trainer

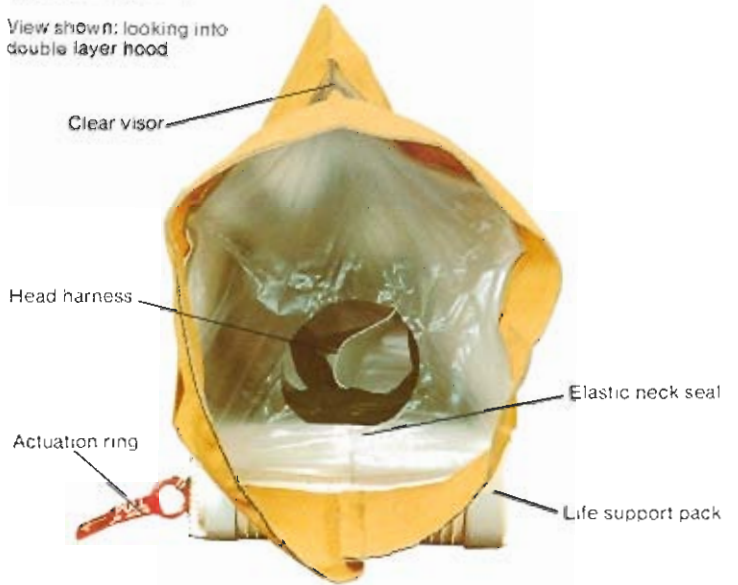
Part Number #802390-04

Featuring the same basic components as the government training version, this non-functioning unit is intended for training of personnel in the use of the 802300-02 functional unit.



Originally developed for use by the U.S. Navy, the EEBD unit is intended for one time use and is not rechargeable. It is totally self-contained and provides a 15 minute supply of oxygen. Unlimited usage including aircraft, confined areas in buildings, below ship decks, or any situation where emergency escape may be necessary.

View shown: looking into double layer hood



Storage Case
Single Hood Type



Flame Retardant Case
803410-01



6 simple steps to donning the EEBD by Scott



- 1** Remove unit from storage container. (Container shown for double hood type 802300-01)



- 2** Tear off red pull strip and remove unit from plastic protective wrapper.



- 6** Raise to standing position and adjust hood and life support pack for most comfortable fit. Check neck seal for secure fit.



- 3** Pull actuation ring in the direction indicated.



- 5** Bend over and grasp hood opening with thumbs and pull hood over head.



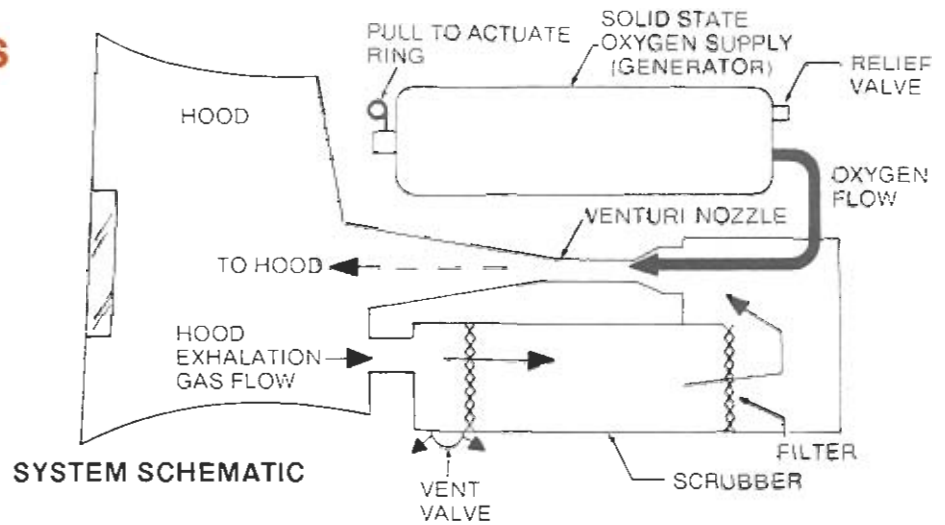
- 4** Hold the device by the open end of the hood with the life support pack away from the user.

Outstanding features

- A 15 minute self contained, completely disposable breathing unit with a solid state oxygen supply source.
- Universal size hood that permits oral communication without compromising protection.
- Lightweight — 5.15 lbs. including protective storage case.
- Compact design — 9.3" × 8.3" × 4.3" for installation in a minimum space.
- 10-year storage life in sealed evacuated barrier envelope.
- Minimum Maintenance:
Periodic visual inspection of humidity indicator through the porthole in storage case.
- DOT-E 8999 exemption allows unit to be carried aboard any mode of transportation as personal luggage.

Trainer Spare Parts

Storage Bag P/N 10124
NSN 4240-01-152-8778
Neck Seal P/N 803150-01
NSN 4240-01-152-8776
Lanyard Assembly P/N 802829-01
Head Harness P/N 802350-03
Reset Tool P/N 10005595



The following sequential series of events take place when the "Pull to Activate" ring is disengaged from the unit.

Low pressure oxygen is produced from chemical decomposition within the generator. This oxygen is fed to the primary flow nozzle of an ejector device and mixes with the hood gases while inducing flow through the scrubber. The scrubber removes CO₂, excess moisture and particles, allowing the oxygen to flow back to the hood.

Specifications

Type: Semi-Closed Circuit
Rated Duration: 15 Minutes (Minimum)
Oxygen Source: Low Pressure Chemical — Oxygen Generator

Weight

#802300-01, 802300-11
As Worn: 3.75 Lbs. (1.70 Kg)
W/Storage Case: 5.15 Lbs. (2.34 Kg)
#802300-02
As Worn: 3.5 Lbs. (1.59 Kg)
W/Storage Case: 4.9 Lbs. (2.22 Kg)

Certifications:

#802300-02 #802300-11
MSHA/NIOSH No. TC-13F-88 F.A.A. TSO-C99 Approval

Storage Dimensions:

9.3" × 8.3" × 4.3"
(236mm × 211mm × 109mm)

Materials

Hood #802300-01, 802300-11 — Teflon® Coated Fiberglas
Cloth, with overhead of Kynol® fabric
Hood: #802300-02 Teflon® Coated Fiberglas
Cloth
Housing Assembly: Polysulfone
Scrubber: LiOH and Molecular Sieve
Storage Case: Polyethylene (Daglo Orange), Fire Retardant Polyethylene (Green)
Generator Relief Valve: 40 psig (Nominal)
Storage Life: 10 Years in sealed evacuated barrier envelope
Maximum operating altitude: 40,000 ft. (12,192 meters)

CAUTION

The sound of airflow within the hood signifies normal operation. The unit must not be used unless this sound is evident. Unit should also be removed within 2 to 3 minutes after completion of its normal cycle indicated by cessation of this airflow noise.

SCOTT® where safety starts

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