RESPIRATORY PROTECTION · PREMIUM & SPECIALISED (HSE-MANDATED)

Emergency Escape Breathing Devices (EEBD)

Emergency escape breathing devices (EEBD) are compact hooded or masked breathing sets with a small compressed-air cylinder or filter that give a worker 10 to 15 minutes of respirable air to escape from a toxic, smoke-filled or oxygen-deficient area.

TECHNICAL SPECIFICATIONS	
Standards	EN 1146 (compressed-air escape); EN 403 (fire escape hoods); SOLAS / MED for marine; ANSI Z88.2 practice
Duration	10 or 15 minutes (EN 1146); 15 minutes (EN 403)
Air supply	2 L / 200 bar or 3 L / 300 bar cylinder, constant flow approx. 38 L/min
Hood material	Flame-retardant PVC or Nomex-laminate with polycarbonate visor
Weight	Approximately 2.5–4 kg complete
Storage	Belt bag, shoulder bag or wall cabinet with inspection window
Service	Annual inspection; cylinder hydrostatic test every 5 years; EN 403 shelf life typically 5–10 years
Operating temperature	-15 °C to +60 °C
Packaging	Individually bagged; cartons of 4 or 6

Key features

- EN 1146 compressed-air hood sets with 10 or 15 minute constant-flow duration
- Anti-static, flame-retardant hood with wide visor; fits over spectacles, beards and hard-hat removal
- Automatic activation on opening the bag; audible flow indicator and pressure gauge
- Lightweight 2 L or 3 L aluminium or composite cylinder at 200–300 bar, under 4 kg
- EN 403 filter escape hoods for fire smoke, CO and toxic fumes in buildings and ships
- SOLAS / MED-approved marine versions for tankers and offshore installations

Variants available

- 10-minute EN 1146 compressed-air escape hood, belt-worn
- 15-minute EN 1146 escape set with shoulder bag
- Marine SOLAS-approved EEBD for tankers and rigs
- EN 403 filter escape hood for fire smoke and CO
- Wall-mounted EEBD cabinet with alarmed door
- Refillable cylinders and charging adaptors

TYPICAL APPLICATIONS	
Oil & gas	H2S escape for all personnel in sour service areas under ADNOC and Saudi Aramco H2S procedures
Offshore	platform and rig crews, mandatory on many ADNOC Offshore and Aramco offshore installations
Petrochemical	refinery and gas plant escape routes in Ruwais, Habshan, Jubail and Yanbu
Marine	tankers and bulk carriers at Fujairah, Jebel Ali and Ras Tanura under SOLAS
Construction	tunnelling and shaft sinking with toxic gas risk
Utilities	chlorine and ammonia rooms at desalination and cold-storage plants

COMPLIANCE, BRANDS AND SELECTION

Compliance (UAE / GCC)

ADNOC HSE standards and Saudi Aramco GI 1780.001 typically require every person entering a classified H2S area to carry a personal H2S monitor and an escape breathing device, with EEBD cabinets at muster routes. Abu Dhabi OSHAD and UAE Civil Defence expect escape sets for high-rise plant rooms and tunnels where filter hoods to EN 403 are

common. SOLAS requires EEBDs in accommodation and machinery spaces of merchant vessels.

Brands we supply

Dräger, MSA, Honeywell, Scott Safety (3M), Sundström, Ocenco

How to choose

1. Choose EN 1146 compressed-air sets for H2S or oxygen-deficient areas; EN 403 filter hoods only for fire smoke with adequate oxygen
2. Select 15-minute sets where escape distance to a safe muster point exceeds a few minutes' walk
3. Specify SOLAS / MED-approved units for vessels and offshore installations
4. Decide between belt-worn issue for each worker and cabinet-stored sets based on the client H2S procedure

Request a quotation
Send quantity, sizes and delivery location. We reply with an itemised quotation and certificates within one working day.
WhatsApp / call +971 54 541 4145 · faizal@albarakaservices.com
Product page: albarakaservices.com/products/safety-products/emergency-escape-breathing-devices/

Typical specifications for this product class, compiled by Al Baraka Diyar for quotation and tender preparation. This is not a manufacturer datasheet. Exact values, markings, sizes and certificates depend on the brand and model supplied and are confirmed in our quotation and in the manufacturer's test certificates. Always verify suitability with your site HSE officer. Information is subject to change without notice.