



EMERGENCY ESCAPE BREATHING DEVICE (E.E.B.D)



BIO-S-CAPE

The Bio-S-Cape is a compressed air emergency escape breathing device (E.E.B.D). It is designed for escape in toxic or oxygen-deficient environments, requiring easy and immediate donning.

The Bio-S-Cape complies with European Standard EN 1146: 2005, ISO 23269-1:2008 and the SOLAS Convention.



Chemical

Nuclear

Oil & Gas

Marine

Escape

The Bio-S-Cape is a compressed air emergency escape breathing device designed to offer easy donning, combined with optimal respiratory protection. It is contained in a bag for carrying which, when opened, automatically triggers the supply of breathable air from the cylinder. Overpressure maintained inside the hood eliminates any risk of inhaling toxic gases. The hood is adjusted automatically thanks to the integrated inflatable air cushion on the back of the head. This system allows the hood to fit securely over the head, offering greater respiratory comfort and leaving the hands free during donning, ensuring the highest level of safety. An alarm whistle indicates when the air supply is about to run out.

COMFORT

- Adjustable hood for all face shapes and accommodates all types of facial hair and spectacles.
- Wide-angle lens without optical distortion.
- Adjustable carrying strap (optional hip belt).
- Larger hood, easy and comfortable to wear.
- Improved visibility and reduced internal reflections at the visor thanks to a dark inner surface to the hood.

SIMPLICITY

- Reducer triggered automatically when the bag is opened.
- Back of the head cushion inflates automatically to keep hood in place.
- Recharging port (EN), allowing the apparatus to be refilled after use.
- Steel or Composite cylinder version available.

SAFETY

- High-visibility hood, resistant to extreme temperature, humidity and chemical environment.
- Fully airtight, comfortable and tear-resistant neck seal thanks to rip stop line on the neck seal.
- Gauge visible at all times: easy to check pressure during storage inspection and escape.
- Powerful alarm whistle to indicate end of operation and non-metallic: positioned next to the ear and does not consume air (air re-injected into the hood).
- Durable PVC carrying bag with a cylinder securing system.
- Silicone "anti-kink" hose (spring loaded).
- Liquid accumulation reduction system on the bag to prevent the risk of accumulation of salt spray inside the bag when stored outside on a boat.
- Label only accessible from inside the bag to avoid accidental removal.



- 1 Dark inner hood
- 2 Reducer with pre-regulated air flow
- 3 Pressure gauge with red/green indicator
- 4 New marking
- 5 New label protection system and positioning
- 6 Alarm whistle
- 7 Inflatable air cushion
- 8 Liquid accumulation reduction system on the back side of the bag

SPECIFICATIONS

Total dimensions of the apparatus (L x W x D)	500x160x180 mm / 19.7x6.3x7.1"
Total weight of the apparatus with 3L 200 bar steel air cylinder	5.36kg / 11,8lbs
Total weight of the apparatus with 3L 200 bar composite air cylinder	3.58kg / 7,9lbs
Total weight of the apparatus with 2L 200 bar steel air cylinder	4.48Kg / 9,9lbs
Carrying bag	Durable PVC (orange), quick opening, fluorescent strips, safety seal, large window, liquid accumulation reduction system
Neck seal	Synthetic, non-allergenic soft rubber with a tear-resistant system
Lens	Wide field of vision - without optical distortion
Reducer	Triggered when opening the bag; including an integrated EN charging plug
Pressure in use	200 bar - flow of pre-regulated air
Duration	10 or 15 minutes
Approved temperatures	-15°C/+60°C
Apparatus type-approvals	EN 1146:2005, ISO 23269-1:2008, SOLAS, MED, IMO, MSC

REFERENCES

REFERENCES	EEBD DESCRIPTION
18 157 32	Bio-S-Cape steel version – incl. 3L 200 bar steel air cylinder (empty*) - 15 minutes duration
18 157 46	Bio-S-Cape composite version – incl. 3L 200 bar composite air cylinder (empty*) - 15 minutes duration
18 157 13	Bio-S-Cape steel version – incl. 2L 200 bar steel air cylinder (empty*) - 10 minutes duration

REFERENCES

REFERENCES	ACCESSORY DESCRIPTION
18 157 44	Wall-mounted storage box for Bio-S-Cape

*can be filled upon request.

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