

# E E B D



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DESIGN BY DX-MARINE

## A、 Type: THDX-15

## B、 Standard

In accordance with the 2000 Amendments to SOLAS 1974, and the International Code for Fire Safety System

## C、 Technical parameter

- Volume: 3L
- Cylinder material: Alloy steel
- Rating working pressure: 21 Mpa
- Minus Pres Clique Export Pressure:  
0.65±0.2Mpa
- Breathe Resistance:  
Absolute value <600pa
- Duration time: ≥15mins
- Weight: ≤7kg



## D、 Approved: CCS



## E、 Introduction

Light, compact and easy to use, our Emergency Escape Breathing Devices (EEBD) are perfectly adapted to confined spaces, marine, industrial and Oil & Gas applications. Compressed Air Emergency Escape Breathing Device (E.E.B.D) designed for escape in toxic or oxygen-deficient environments, 15-Minute duration, with hood and low pressure whistle alarm.

An Emergency Escape Breathing Device (EEBD) is life saving appliance which is used for escaping an area with hazardous conditions such as fire, smoke, poisonous gases etc. As the name mentions, it is used for quick escape from a situation wherein the individual has to swiftly vacate his immediate surroundings, i.e., it is a self-contained compressed air apparatus for escape from a contaminated environment. It is important to understand the construction and working of EEBD before buying one.

As with most other breathing apparatus onboard, the EEBD has an audible alarm that indicates the depletion of available air at around 10 minutes of usage time, giving the wearer time to evacuate his hazardous surroundings. It is important to note that the EEBD is NOT a fire fighting equipment and is in place ONLY to assist the individual in vacating his immediate surroundings. It should never be, under any circumstances, be used to fight fire or evacuate casualties.

**F、 The following hazards are used in the environment**

- Airborne Particulates
- Biohazard
- Chemical
- Confined Space
- Contamination
- Gas, Vapors, Smoke

**G、 Key Features**

- Light and Compact
- Wide field of vision
- Powerfull alarm whistle non-metallic
- Steel and composite cylinders available
- Easy and quickly wear
- End of operation alarm whistle
- Chemical-splash resistant carrying bag
- Integrated gauge



**H、 Recommended Industries**

- Marine
- Industrial
- Chemical
- Manufacturing
- Mining
- Oil and Gas
- Nuclear
- Other

**I、 SOLAS Requirement**

- EEBD shall comply with Fire system safety code and a spare EEBD must be kept onboard ship for the purposes of onboard training aside from those that present to evacuate a designated space
- EEBD should be approved by the authority.
- All cargo ships must carry at least 2 EEBD in the accommodation area.
- All passenger ship must carry at least two EEBD in main vertical zones.

- For ships carrying more than 36 passengers, two EEBD's are additionally required in each main vertical zone.
- EEBD is to be located in easily visible areas of machinery spaces, mostly in engine control room, workshop and near escape routes.

#### **J. *Constructional Features of EEBD***

- **Cylinder:** This is a compressed air cylinder that with a capacity of about 600 litres lasting at least 15 minutes of breathing time. The cylinder is charged with breathing air compressor and suitable adapter will be used to charge it or it may be charged by an external authority in port
- **Hood & face piece:** This is the part that supplies oxygen to the wearer from the cylinder and covers his head and face when evacuating
- **Clear window:** A clear window is provided in the face piece and is made up of flame resistant material for clear sighting and smooth escaping. Also referred to as the visor, this is in place to ensure maximum practicable visibility
- **Pressure Indicator:** This is in place to know the remaining pressure and to know when to recharge the air in it.

#### **K. *Maintenance***

- Check the indicator needle is in the green zone thus ensuring that no leak has taken place. This should be done monthly
- Keep the device case clean. This is also to be done monthly
- Check and record expiry dates. An EEBD is typically valid for about 15 years
- Do not open an EEBD in a designated area. Use the training piece for the purposes of training
- The EEBD should be stored with suitable protection devices and in easy accessible areas. The maintenance of EEBD is done by shore people or manufacturers only as it has got a shelf life.

**Jiangsu Dingxiang Marine Equipment Co.,LTD.**

**Professional fire fighting & life saving equipment manufacturer**