



JLD

ELBA

EMERGENCY LIFE BREATHING APPARATUS

The ELBA - Emergency Life Breathing apparatus is 8 or 15 minute duration Compressed Air Emergency Escape Breathing apparatus set designed for escape in toxic or Oxygen deficient environment requiring easy & immediate donning.

The ELBA is designed to protect personnel against sudden outbreaks of irrespirable environment. This may be due to either insufficient oxygen or high level of toxic gases & fumes such as CO, NH₃, Acid fumes, Smoke etc.

Purpose

Its purpose is to provide a lightweight easily operated system of respiratory protection to the wearer during escape from an hazardous area.

Method Of Operation

The design allows air to pass from the cylinder to a panoramic vision air hood which can be quickly donned without adjustment and offers protection to any wearer, even those with beards and spectacles

Models

ELBA has two models depending on its usage life

- 8 minutes duration
- 15 minute duration

Description

The apparatus consists of a transparent universal fit hood which completely covers the head and the alloy steel cylinder manufactured to BS 5045 with 1 or 2 liter water capacity filled with air to 200bar placed in the front pocket lying on the chest.

The pressure gauge is fitted to the reducing valve and gives constant indication of the cylinder pressure.

The equipment is operated by means of an ON/OFF hand wheel allowing air to pass from the cylinder to the pressure reducing valve, where it is reduced in pressure to approximately 5.5 bar (80 psi).

The air then passes through a flow control orifice and then via a flexible supply hose to the air hood.

The apparatus gauge should be checked at least once a week to ensure that the cylinder is full and ready for use. Top up pressure to 200bar if necessary and check for leaks as detailed in the recharging instructions.

The apparatus should be operated every six months to ensure that it functions correctly.

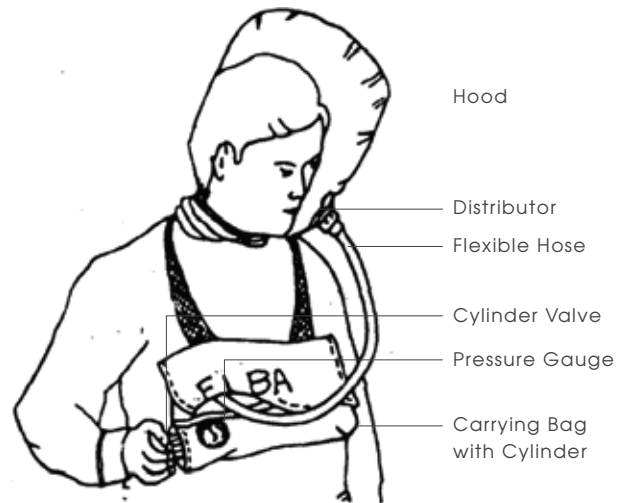
Safety Warning

- The ELBA set must not be used under water
- Hair on the neck where the neck seal of the hood fit may impair the sealing.

Components

- Hood
- Distributor
- Flexible Hose
- Cylinder Valve
- Pressure Gauge
- Carrying Bag with Cylinder: 1 Ltr (for 8 min set) / 2 Ltr (for 15 min set)

“The ELBA is intended for escape purposes only and must not be used for any other purpose”



Approvals

- Approved by CQA (NS) for use in Indian Navy as BASCA - EE
- Chief Controller Of Explosive (CCOE) / PESO approval for High pressure valve design and Cylinder

Ordering information

ELBA - 8 minutes	Working Pressure: 200 bar Cylinder Volume: 1 lit (approx water capacity) Endurance (duration): 8 mins. Duration	D-5001
ELBA - 15 minutes	Working Pressure: 200 bar Cylinder Volume: 2 lit (approx water capacity) Endurance (duration): 15 mins. Duration	D-5002
Hood assembly	PVC Transparent	D-5009
Hose Assembly	LP Hose Assembly with end connections	D-5010
Pressure gauge	Dial: 40mm, back mounted Range: 0 - 270bar	D-5011
6 Cylinder	Steel Cylinder 1 lit x 200 bar	D-5031
	Steel Cylinder 2 lit x 200 bar	D-5032

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