

## ► M40

### Compressed Oxygen Self-Contained Self-Rescuer Mask



#### Technical specifications

**Usage time (autonomy) :** 30 to 60 minutes depending on effort and stress

**Donning time :** Less than 10 seconds, automatic start-up

**Weight :** 1.86 kg

**Dimensions :** 18.8 × 16.8 × 7.6 cm

**Storage temperature :** -20°C to +65°C

**Reconditioning :** Every 5 years, with a maximum delay of 18 months, only if used as a "worn device"

**Service life :** 15 years

**Warranty :** 12 years

**CO<sub>2</sub> filter :** Lithium hydroxide

**Oxygen supply method :** Automatic valve, continuous flow and demand regulation

**Visual inspection only (manometer reading) :** Annually

#### La réglementation :

- **Directive 89/686/CEE** replaced by PPE Regulation 486/25 of April 2019 – Approval validity: 5 years
- **Standard EN 13794** : EC Type Examination Certificate
- **National regulations** : The employer must ensure that PPE is supplied, maintained, cleaned, disinfected, repaired, and replaced in a timely manner, at their own expense (Articles IX.2-3 and IX.2-20, paragraph 1 of the Code).

#### Product description

The **M40** self-contained evacuation device is a compact, lightweight, and ergonomic **compressed-oxygen self-rescuer** weighing less than 2 kg. It can be worn comfortably on a belt or stored in a waterproof wall-mounted case. It immediately provides breathable air isolated from the surrounding atmosphere, protecting the user both from oxygen deficiency and toxic gases. Designed for ultra-fast activation, it becomes fully operational in less than ten seconds, making it an ideal survival device for confined environments such as mines, tunnels, sewage networks, and both civilian and military vessels.

**Activation is simple:** just open the case, insert the mouthpiece, pinch the nose, and breathe. Safety is ensured by an integrated pressure gauge, allowing an easy check of the available oxygen level. Its compressed oxygen technology offers a 15-year service life without complex maintenance, constant breathing comfort, and unmatched reliability—even in the most critical emergency situations.

#### Operating principle

The oxygen flow starts automatically as soon as the device is removed from its case. The user inserts the mouthpiece and exhales through the lithium hydroxide filter, which traps carbon dioxide. The purified air is stored in a breathing bag, then re-enriched with oxygen before being inhaled again. This closed-circuit system ensures optimal autonomy by maintaining a constant oxygen level while efficiently filtering CO<sub>2</sub>. This simple, reliable, and self-contained operation guarantees the user's safety throughout the evacuation.

