

PRODUCT OVERVIEW

The VIDAFOR Emergency Escape Breathing Device (EEBD) is a self-contained respiratory system designed for emergency evacuation in hazardous environments. It provides a 15-minute continuous air supply, supporting safe escape in maritime, industrial, and fire-related emergencies.

The unit features an ultra-compact design for efficient storage in confined spaces and rapid deployment. Its simple three-step operation (open, don, breathe) enables immediate use without prior training.

Equipped with either a steel or carbon fiber composite cylinder, the EEBD delivers stable airflow in environments affected by toxic gases, smoke, fumes, or oxygen deficiency. It is designed as a critical safety solution for emergency escape applications.

KEY FEATURES

- 15-minute continuous air supply
- Compact and portable design
- Available in Steel and Carbon Fiber Composite configurations
- Anti-fog escape hood with wide visibility
- Automatic airflow regulation system
- Integrated low-pressure alarm
- Flame-retardant construction



ESCAPE HOOD

PRESSURE REDUCER & SAFETY SYSTEM

CARRYING BAG



SYSTEM COMPONENTS

- Pressure Reducer
- Pressure Gauge
- Refilling Connector (G5/8)
- Pulling Strap (Activation)
- Escape Breathing Hood
- Carrying Bag
- Cylinder

CARRYING BAG

- Material: Flame-retardant PVC
- Inspection Window: Yes

ESCAPE HOOD

- Material: Flame-retardant coated PVC
- Visibility: Wide field (flat lens)
- Anti-Fog: Integrated mouth-nose mask
- Neck Seal: Synthetic rubber
- Design: Full hood with internal airflow system

PRESSURE REDUCER & SAFETY SYSTEM

- Pressure Gauge: Integrated
- Refilling Interface: G5/8 standard
- Max Filling Pressure: 21 MPa
- Safety Valve Burst Pressure: 280 bar
- Alarm System: Audible whistle (low air warning)
- Hose Design: Swivel joints
- Activation: Pulling strap

TECHNICAL SPECIFICATIONS

Feature	Steel Cylinder	Carbon Fiber Composite Cylinder
Part Number	VEBD-3L-S	VEBD-3L-CF
Construction	Seamless steel	Fully wrapped composite
Inner Material	Steel	Aluminum alloy liner
Outer Layer	N/A	Carbon fiber
Coating	Standard	Epoxy resin
Safety Mechanism	Pressure relief via reducer	Pressure relief via reducer
Weight	6.2kg	4.2kg
Cylinder Volume (L)	3L	3L
Working Pressure (Bar)	210	210
Air Supply Flow	30 L/min	30 L/min
Inspiratory Resistance	≤ 500 Pa	≤ 500 Pa
Exhalation Resistance	≤ 1000 Pa	≤ 1000 Pa
Working Duration	15 min	15 min
Working Temperature Range	-30°C to 60°C	-30°C to 60°C

