

SHORT-TERM BREATHING APPARATUS

AERO-LITE/3100

Short-term escape and airline breathing apparatus with quick-connect coupling

The **AERO-LITE/3100** is a short-term breathing apparatus designed for the most demanding working conditions, where the versatility of a quick-connect airline system is required in combination with an escape device.

Its 15-minute carbon-fiber cylinder allows the user to evacuate safely in an emergency, while the quick-connect coupling, supplied as standard, connects the unit to continuous-flow airline systems for work in contaminated atmospheres.

The hip-mounted harness carries the cylinder without interfering with the user's movements, allowing access to confined spaces. The unit is quick and easy to put on, even for inexperienced users.

Ideal for short-duration entry into contaminated atmospheres, airline breathing operations, or a combination of both.

APPLICATIONS

Short-duration entry

Airline operations

Confined spaces

Emergency escape



TECHNICAL SPECIFICATIONS

	3 L cylinder
Breathing gas	Compressed breathing air
Cylinder type	Carbon-fiber composite, 3 L
Working pressure	30 MPa (300 bar)
Rated duration*	15 min
Low-pressure alarm	5.5 MPa · audible ≥ 90 dB
Airflow rate	≥ 1,000 L/min
Breathing resistance	≤ 1,000 Pa inhalation · ≤ 500 Pa exhalation
Total weight	3.8 kg
Operating temperature	-30 °C to +60 °C
Standards	EN 137-1:2006 · EN 14593-1:2005 · CE marked

* Nominal service time. Actual duration depends on air consumption, workload and user.

EQUIPMENT

Full-face mask	Standard
Hip-mounted harness	Standard
3 L carbon-fiber cylinder	Standard
Quick-connect airline coupling	Standard
Cylinder pressure gauge	Standard
Audible low-pressure alarm	Standard

EN 137-1:2006
EN 14593-1:2005

Certified · CE marked

SYSTEM COMPONENTS

Inside the AERO-LITE/3100



Full-Face Mask

- Wide field of vision
- Double sealing edge for a secure, leak-tight fit
- 5-point head harness, quick-release buckles
- Anti-fog visor, 92% light transmission
- Flame-retardant materials
- Designed to minimize CO₂ buildup inside the mask



Hip-Mounted Harness

- Cylinder carried at the hip
- Enhanced comfort and freedom of movement
- Does not interfere with the user's activities
- Allows access to confined spaces
- Quick and easy to put on, even for inexperienced users



Quick-Connect Coupling

- Supplied as standard
- Connects to continuous-flow airline systems
- Operates as an airline breathing apparatus in contaminated atmospheres
- Cylinder air remains available for escape
- EN 14593-1:2005



Carbon-Fiber Cylinder

- 3 L, 30 MPa, 15-minute rated duration
- Compact and lightweight design
- Airflow rate ≥ 1,000 L/min
- Cylinder-mounted pressure gauge
- Audible alarm ≥ 90 dB at 5.5 MPa

EN 137-1:2006

Short-term intervention · CE marked

EN 14593-1:2005

Airline breathing apparatus

–30 °C to +60 °C

Operating temperature range