

PRODUCT SPECIFICATION

SAFETYWARE Premium SCBA with 6.8L composite cylinder (comes with Orange case)

- Open circuit, self-contained, compressed air breathing apparatus.
- Specifically designed as a professional fire fighting SCBA, but is also suitable for providing respiratory protection in an immediately dangerous to life or health atmosphere.
- Consists of a full face mask, back plate, carrying harness and a 6.8L 300 Bar carbon composite cylinder.
- Also comes with a cylinder connector, pressure reducer, pressure gauge, warning whistle and lung demand valve.
- Full face mask with *communication feature*:
 - Made of silicone, which provides comfortability to wearer and will not cause skin allergies.
 - The face window of the mask is molded using impact-resistant high-strength polycarbonate material, and coated with a wear-resistant layer on the surface.
 - Provides high light transmittance and no distortion, providing clear visibility for wearer.
 - Equipped with an aramid head net and five-strap head-harness to evenly distribute pressure on the head and increase comfort.
 - Comes with a built in communication system (including microphone, speakers, loudspeakers, call buttons, and cable communications receivers) to facilitate communication while performing mission or tasks.
 - HUD (Heads-Up Display) to provide wearers a visual display of their SCBA air status without requiring them to divert their attention from their tasks.
- Carrying harness:
 - Humanized design - Compact, lightweight, and ergonomically designed for comfort.
 - Flame retardant & freeze-resistant materials and corrosion-resistant construction ensure reliability in various conditions and enhance durability.
 - Shoulder strap features flame-retardant, non-slip fabric and adjustable design.
 - Includes reflective material to enhance visibility in low-light conditions.
 - Features an extendable back plate that is designed to be length-adjustable, allowing users to tailor the SCBA to their specific body size and shape.
- Lung demand valve:
 - Decompresses medium-pressure gas to breathable levels based on the wearer's inhalation.
 - Enables continuous breathing for the user.
 - Small and lightweight design for enhanced portability.
 - Fireproof and impact-resistant materials ensure safety.
 - 360° rotation with the mask, forming an automatic positive pressure mechanism.
 - Quick and easy installation directly onto the mask.

Item Code: SCBA-PR68



- *Electronic pressure gauge*:
 - Displays cylinder pressure, remaining air volume, available air volume available time, on-site ambient temperature, and the respirator information.
 - Automatically adapts to the ambient brightness so that the pressure information can be clearly displayed even under conditions of insufficient light or strong light.
 - Continuous working time of more than 10 hours.
 - Emits sound and light alarms at the same time if cylinder pressure is low.
 - Waterproof, dustproof, drop-proof, and explosion-proof (explosion-proof grade: Ex ia IIC T4 Ga).
- *Quick filling connection*:
 - Allows quick refill without removing the gas cylinder.
 - Cylinders with the same nominal volume can reach equilibrium within one minute when refilled.
 - The realization of rapid inflation function can reduce the frequency of cylinder replacement, shorten emergency response time, and improve rescue efficiency.
- *Warning whistle*:
 - Chest-mounted alarm with a 360° rotatable design for convenience.
 - Sound alarm activates at (5.5±0.5)MPa to indicate high pressure.
 - Loud alarm sound exceeding 90dB(A) for clear alerts.
 - Pressure gauge features luminous display for reading in low-light conditions.

SAFETYWARE SDN. BHD. (632971-X)

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It is the product users' responsibility to conduct all the appropriate evaluations & testing to determine the suitability of SAFETYWARE products for use in a particular environment or purpose. SAFETYWARE disclaims all warranties other than as expressly provided.

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INSTRUCTIONS FOR USE

Donning:

1. Slide arms through the shoulder straps.
2. Stand up straight; Pull down on the shoulder strap to tighten for a snug fit.
3. Fasten the waist buckle and pull forward on the waist strap to tighten for a snug fit.
4. Grab the lung demand valve and push the side buttons to insert the valve into the mask.
5. Connect the hose from the valve to the intermediate pressure hose coupling.
6. Place the strap over your neck.
7. Open the cylinder valve and check the pressure gauge, make sure the pressure is over 270 bar.
8. Put on the mask; Pull the head straps for a secure fit.

Doffing:

1. Take off the face mask.
2. Press the red button of the lung demand valve.
3. Unfasten the waist buckle.
4. Lay the cylinder horizontally on a flat surface (ie. Table, carrying case, ground). Close the valve of the cylinder at clockwise direction.
5. Press the 'on' button of the lung demand valve to let air out from the hose. Check the pressure gauge, the pressure will drop to 0.
6. Clean the breathing apparatus with a damp cloth and store it in its carrying case.

TECHNICAL DATA

MATERIAL	Face mask: Silicone, polycarbonate, aramid head net Harness: Fire retardant material Cylinder: Composite Cylinder valve: Nickel plated brass Demand valve hose fitting: Stainless steel Hose and O-ring: EPDM
AIR CYLINDER	6.8 L
WORKING DURATION	60 minutes
CYLINDER PRESSURE	30 MPa
WEIGHT	11.5 kg (empty composite cylinder)
WORKING TEMPERATURE	-30 °C to 60 °C
STANDARD	EN 137:2006 & EN 136:1998+AC:2003
DIMENSION	710 mm x 440 mm x 300 mm

MAINTENANCE

Maintenance and servicing must only be performed by trained personnel following the procedures in the Service and Maintenance manual. The cylinder must be hydraulically tested every five years.

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