

# CSE SYB-30

Lightest 30-Minute SCSR



## Product Overview

Lightweight, maintenance-free, and built for ultimate safety - the SYB-30 redefines ease of use through innovation and rigorous testing.

Built from customer feedback and rigorous testing, the SYB-30 is the smallest, lightest, and most advanced 30-minute belt-wearable self rescuer on the market. Offering effortless deployment and maintenance-free reliability, it ensures top-tier safety and convenience with up to 10 years of service life, carried or stored, and zero maintenance.

## Self Rescuer Performance & Technology



**30-Minute Duration:** 30-minute rated duration, providing users with sufficient time for a safe escape.



**Low Breathing Resistance:** Comfortable breathing resistance throughout the SYB-30's duration allows the user to remain calm and focus on escape.



**QuickStart™ Technology:** Rapid oxygen production at start-up delivers when you need it most.



**User-Friendly Donning:** Intuitive donning steps with clear pictograms ensures that users can respond quickly in an emergency.



**Flame Resistant:** Flame resistant breathing bag provides enhanced protection in high-heat environments to ensure user safety during emergency evacuations.



**Welded Design:** A completely welded breathing bag and manifold minimises potential leak points and ensures that you get the oxygen needed for escape.



**Overmolded Case Seal:** An integral, overmolded case seal with multiple points of contact enhances durability and leak-tightness.

## Enhanced Comfort and Usability



**Ultra-Lightweight Design:** The lightest 30-minute SCSR on the market, making it the ideal choice for extended wear and challenging conditions.



**Contoured Shape:** The rounded design and hip-contoured shape allow for optimal comfort and effortless carrying, reducing strain and enhancing mobility.



**Ergonomic Breathing Hose:** A single piece, fatigue-free breathing hose with a built-in elbow enhances flexibility and reduces mouth strain and discomfort.



**User-Centric Part Layout:** Each item needed by the user is neatly organized on top of the unit, streamlining training and ensuring rapid access when faced with an emergency.



**Easy Adjustment:** Easily adjustable neck and waist straps provide a comfortable, personalized fit.



**Improved Visibility:** Egress is made easier with a compact breathing bag that encompasses the oxygen generator, allowing for clear sightlines and easy obstacle avoidance.



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## Unmatched Durability



**Extended Service Life:** 10-year service life, carried or stored.



**Rugged Enclosure:** A high impact, chemical resistant, and anti-static composite case ensures superior durability and protection.



**Built to Last:** Rigorously tested to stand up to the harshest of environments.



**Maintenance Free:** No maintenance is required to keep the SYB-30 in-service - only regular visual inspections.

## Simple Inspection



**ClearView™ Window:** A single integral and flush temperature/moisture indicator window increases durability and reduces debris build-up for easy inspection.



**Tool-Free Inspection:** Visual inspection only required that can be performed without the use of specialised tools or equipment.



**RFID Ready:** An embedded RFID tag allows for easy device tracking and asset management.



**Tamper Resistant Design:** Redundant, breakaway Tamper Tabs™ clearly indicate if a unit has been opened.

**Made in Export, PA:** Designed and manufactured in the USA, ensuring unmatched quality, reliability, and support for American craftsmanship.

**Patent Pending Technology:** Built with our customers' needs in mind, this technology is designed to improve safety, reliability, and ease of use.

| Specifications                                     |   |
|--|---|
| <b>Approval</b>                                    |   |
| AS/NZS 1716:2012 & TRG: Escape Breathing Apparatus | MDR0001005                              |
| <b>Rated Duration</b>                              |   |
| In accordance with AS/NZS 1716:2012                | 30 minutes (at 35L/min)                 |
| <b>Environmental Conditions</b>                    |   |
| Storage/Transport Temperature                      | -29°C to 65°C (-20°F to 149°F)          |
| Operating Temperature                              | -5°C to 65°C (23°F to 149°F)            |
| Relative Humidity                                  | 0% - 100%                               |
| Ambient Pressure                                   | 700 to 1300hPa                          |
| <b>Breathing Bag Volume</b>                        |   |
| ≥ 6 Litres   | s                                       |
| <b>Breathing Resistance</b>                        |   |
| Inhalation or Exhalation                           | ≤ 1.0 kPa                               |
| Sum of inhalation/exhalation                       | ≤ 1.6 kPa                               |
| <b>Size and Weight</b>                             |   |
| H x W x D  | 175 x 205 x 134 mm (6.9 x 8.1 x 5.3 in) |
| Weight (deployed)                                  | 1.6 kg (3.5 lbs)                        |
| Weight (carried)                                   | 2.2 kg (4.8 lbs)                        |
| <b>Service Life</b>                                |   |
| Not to Exceed                                      | 10 years                                |

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