

SCBA (HUD) KIT | RHZK 6.8/A

SELF CONTAINED BREATHING APPARATUS WITH HUD

PRODUCT CERTIFICATION



BSI Certified Product
Australian and
New Zealand Standard
AS/NZS1716:2012
Licence No: BMP 765872



Quality
ISO 9001
Licence: QEC20205
SAI GLOBAL

DISCLAIMER

SELF CONTAINED BREATHING APPARATUS (HUD) KIT | RHZK 6.8/A

WARNING: This Saferight SCBA set is only to be used by trained and qualified user, and all instructions provided herein must be carefully read and fully understood before use. **Do NOT** use this SCBA without correct training, understanding the user's instructions and 'manufacturer's recommendations for safe use'. Misuse can result in serious injury or death.

This Saferight SCBA set is most effective only when it is used in accordance with the product operational manual and manufacturer's recommendation for safe use. In accordance with the Work Health and Safety Act 2020, only a "competent" person or anyone who has undergone nationally accredited training as well as holds the qualification to operate an SCBA set, shall use this unit. Lastly, the user must be familiar with the scope of application of the product and follow the relevant Australian laws. Saferight offers the following nationally accredited training to operate a Self-Contained Breathing Apparatus:

- MSMWHS216 - Operate breathing apparatus
- PUAFIR207-Operate breathing apparatus open circuit

(Saferight Pty Ltd provides the Nationally Accredited SCBA training and qualification. As course codes are updated periodically, Saferight provides the equivalent and updated training for all nationally accredited courses on scope).

USE & SCOPE OF APPLICATION

Saferight positive pressure self-contained breathing apparatus with head up display (LCD-HUD SCBA) can be used during fire, rescue and emergency scenarios and is perfect for industries such as Emergency Services, Mining, Oil & Gas, Maritime, Chemical & Metallurgy, etc.

Moreover, the SCBA is designed for the working environment in which the user may be exposed to toxic gas, toxic particles and smoke particles, oxygen-deficient environment with oxygen content less than 17%, and smoke particles from fire to provide fresh air to users.



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SAFETY SPECIFICATION



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The Saferight SCBA RHZK6.8/A, complies to Australian Standard AS/NZS1716-2012 & European requirement: EN 137:2006, Type 2.

When using these associated products in Australia and New Zealand, please refer to the following Standards and applicable training:

- AS/NZS 1716-2012 “Respiratory protective devices”.
- AS/NZS 1715-2009 “Selection use and maintenance of respiratory protective equipment”.
- MSMWHS216 - Operate breathing apparatus and/or PUA FIR207-Operate breathing apparatus open circuit.

NOTE: Saferight SCBAs carry a warranty of 12 months for faulty (and included dent replacement and freight and costs) parts, labour and return to site. The warranty period runs from the date of purchase by the end user. Evidence of purchase date will need to be provided upon any warranty claim.

Saferight SCBAs are warranted to be free from defects in materials and workmanship at the time of delivery. No liability will be accepted for any defect arising from misuse, wilful damage, negligence, abnormal working conditions, failure to follow the manufacturer’s instructions and recommendations for safe use, or unauthorised modification or repair. (Refer to <https://www.saferight.com.au/terms-conditions-products/>)

WARNING!

- Must inspect whether the functions of the product are normal before using the product each time.
- Not use beyond the range of application.
- The person not trained is not allowed to use this product.
- The original spare parts must be used.
- This product cannot be applied to diving operation.



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RESPONSIBILITY INFORMATION



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It is the sole responsibility of the user to check that this SCBA is suited for their intended applications including the servicing of the SCBA. The user, at all times, must exercise caution when assembling, inspecting, operating, and servicing of this SCBA.

Saferight Pty, Ltd and other manufacturers stated herein are specifically not liable for any damage or injury arising out of a user's failure to follow the instructions or negligence in the assembling, operation, inspection, and servicing of this SCBA, including the below:

- Loss or damage caused from negligence or otherwise in connection with the misuse of this SCBA.
- Only use the SCBA as described in the user's manual, any other use is considered incorrect and can lead to damage to the equipment, user's severe injury, or death.
- No warranty will be accepted for damaged caused by the incorrect use.
- Failure to follow these instructions and 'manufacturer's recommendations for safe use' may result in severe injury or death.

NOTE: These instructions do not replace nationally accredited training. Nationally accredited training courses offered by Saferight Pty, Ltd cover many applications of this product and many other technical systems and therefore are recommended as accredited training by a registered RTO.

Moreover, the user shall be familiar with the scope of application of the product and relevant laws of the country where the user is located. Serious personal injury, or even death may occur if the user does not comply with the instruction of this manual or use the product correctly.



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DATASHEET



SELF CONTAINED BREATHING APPARATUS (HUD) KIT | RHZK 6.8/A

PRODUCT FEATURES AND INFORMATION

The air is stored in the cylinder (pressure of 30MPa) of the LCD-HUD SCBA by using the method of compressing air; the high-pressure air shall be transmitted to the middle-pressure tube after being subjected to primary pressure reduction to (0.75 ± 0.15) MPa by using Saferight's reducer; and the positive-pressure air shall be supplied to the user by using the mask after secondary pressure reduction by using the demand valve.

Main Features

Full Face Mask

- Material: High-quality silicone for durability and comfort.
- Visual Field: Wide field of view with $\geq 90\%$ visibility.
- Service Life: Long-lasting use with up to 15 years of service life.
- Performance: Features permanent double anti-fogging and scratch-resistant lens.

Back Plate

- Material: Constructed from Aramid for a lightweight and flexible fit.
- Design: Supports 180 degrees of bending for optimal maneuverability.

Demand Valve with HUD

- Air Supply Rate: Delivers more than 500L/min, ensuring ample air flow.

Gas Cylinder

- Material : lightweight carbon fiber
- Volume: 6.8L
- Working Pressure: High pressure support up to 300bar.
- Alarm Pressure: Set at (55 ± 5) bar to signal low air.
- Operating Temperature Range: -30°C to 60°C .
- Service Time: Provides 45-60 minutes of breathing air.

Digital Screen HUD

- Displays vital operational data including cylinder pressure, remaining time, ambient temperature, digital clock, and compass.

Reducer

- Design: Balanced pressure reducing design with medium pressure alarm for safety.

Certifications

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DATASHEET



SELF CONTAINED BREATHING APPARATUS (HUD) KIT | RHZK 6.8/A

CONTENTS OF SCBA KIT

- x1 Full Face Mask
- x1 Cylinder
- x1 Pressure Gauge & Alarming Device
- 1x Back Pack assembly with Harness
- x1 Cylinder Valve
- x1 Demand Valve with LED-HUD
- x1 Reducer
- x1 Carrying box

TESTING & QUALITY CONTROL

- Full kit is certified to AS/NZS1716:2012 BMP 765872
- 100% visual inspection
- Saferight uses an ISO 9001 Certified Quality Assurance System



NATIONALLY ACCREDITED TRAINING

These instructions cannot replace an accredited training course. Saferight Training Academy RTO 5722 provides the nationally accredited SCBA training and qualifications:

- MSMWHS216 – Operate Breathing Apparatus
- PUAFIR207 – Operate Breathing Apparatus Open Circuit



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PRODUCT DETAILS

SELF CONTAINED BREATHING APPARATUS (HUD) KIT | RHZK 6.8/A

Full Face Mask

- Adding the dust-proof hole, ensures the observation effect of HUD display.
- Five-strap flame-retardant Kevlar head net, comfortable and easy to wear, avoiding clipping hair.

Demand Valve with LED-HUD

- Dark hole on the valve effectively prevent dust and smoke entering the view.
- HUD demand valve can help users out of danger timely.
- HUD device of SCBA can display orientation, time, low-voltage, SOS instructions, remaining use-time of cylinder, cylinder pressure, ambient temperature, barometric pressure indication.

Reducer

- Safety valve automatically operates when the reducer fails. Safety valve can keep the output pressure from 9.9bars to 15bars.
- Inner pipe of high-pressure tube adopts spiral design.

Back Pack assembly with Harness

- Harness connects shoulder strap and belt, can fix the height of the SCBA. It is suitable for different size staff using.
- Adjusting the belt can spread the pressure on the shoulders.
- Adjusting cylinder strap can firmly fix the cylinder on the back.

Cylinder Valve

- Equipped with self-lock gauge valve, can see the cylinder pressure directly.
- With cylinder high pressure safety valve
- With cylinder protection pad and fluorescence sticker

Pressure Gauge & Alarming Device

- It will give a continuous 90dB alarm to make sure the user can hear it under noisy environment.
- The pressure gauge is waterproof and shockproof designed, and it can be read in the darkness.





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SELF CONTAINED BREATHING APPARATUS (HUD) KIT | RHZK 6.8/A



FULLY EQUIPPED INTEGRATED BREATHING APPARATUS SYSTEM



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