

# BREATHING APPARATUS

## RHZK6.8/A SELF-CONTAINED BREATHING APPARATUS

PRODUCT DATA SHEET: RHZK6.8/A



PRODUCT CODE:  
RHZK6.8/A



### OVERVIEW

FENAN Advanced HUD Breathing Apparatus SCBA has won nine patents, including two patents of invention, making it an ideal choice for emergency missions. The communication and quick filling functions are optional.

FENAN S8500 SCBA is an advanced firefighting breathing protection device equipped with an LCD heads-up display, wireless connectivity, automatic on/off function, and long-lasting lithium battery. You can view the cylinder pressure, remaining time, clock, compass and ambient temperature at any time through the digital screen HUD of SCBA, which can effectively enhance the cooperative engagement capability between the fire fighters and guarantee the safety of fire fighters under the complex fire environment.

### APPLICATION

- Advanced Breathing Apparatus SCBA is widely used in firefighting petroleum, chemical, mining, and other oxygen-deficient or contaminated environments for rescue and maintenance work.
- It protects users from toxic gases, particles, vapors, environments with less than 17% oxygen, fire smoke, and other harsh working conditions.

### FEATURES AND BENEFITS



Big and round PTT button, can be pressed by elbow. Combined with digital screen HUD, free your hands completely!



Hidden communication headset design, provides a wider field of vision for users.(optional)



Only one lithium battery can meet all electronic functions.



Nose-cup Vibration alarm function: obvious vibration sense, is one of the best way to warn fireman.



Without the complex electronic circuits and structures, to ensure the full face mask won't appear electronic failure.

It is no problem for ultrasonic cleaning and wiping inside and outside, avoiding the damage to the lens when repairing or disassembling. So convenient!



Revolutionary Patented Designs: connection of mask & demand valve, duplex connection-oriented of gas path & the circuit. Installing automatically and quickly!

To avoid the impact on the vision because of the wrong angle or demand valve



Convenient and fast replacement of lithium battery, centrally recharging.

Meet with the principle of environmental protection.



Integrated fire SOS, avoids completely that the alarm horn is accidentally covered, and also can alarm with 360° flashing lights.

No matter how bad the fire scene is, no matter where the fallen firefighter is, the rescuer can see the SOS flashing lights directly.

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### PRODUCT DETAILS

#### Full Face Mask

|                       |  |          |
|-----------------------|--|----------|
| Material              | Mask body  | Silicone |
|                       | Headnet  | Kevlar   |
| Visual field          | ≥ 90%  |          |
| Inhalation Resistance | ≤ 5 bar  |          |
| Exhalation Resistance | ≤ 10 bar   |          |
|                       | Equipped with speaking diaphragm<br>Permanent double anti-fogging<br>Scratch and abrasion resistant lens |          |

#### Gas Cylinder

|                        |   |
|------------------------|---|
| Material               | Composite aluminium alloy liner carbon fiber(CE Approval) |
| Service life           | 15 years  |
| Volume                 | 6.8L (9L optional)  |
| Working pressure       | 300 bar   |
| Alarm pressure         | (55±5) bar  |
| Operating temperature. | -30°C ~ 60°C  |
| Service time           | 45-60 mins  |

#### Back Plate

|          |   |
|----------|---|
| Material | Nomex or Kevlar   |
| Use      | Comfortable, Flexible and light-weight<br>Achieve 180 degrees bending |

#### Reducer

Balanced pressure reducing design  
Adopt medium pressure alarm  
Inner pipe of high-pressure tube adopts spiral design.

### DEMAND VALVE with LED-HUD



- Digital Screen HUD of SCBA, patented design
- You can view the cylinder pressure, remaining time and ambient temperature at any time
- Clock display, can effectively enhance the cooperative engagement capability between the fire fighters
- Compass display, allows fire fighters know their exact location at any time, which can guarantee the safety of fire fighters under the complex fire environment
- Dark hole on the valve effectively prevent dust and smoke entering the view.
- Protruding SOS and loudspeaker buttons, can be pressed by one hand without seeing. It's an ingenious design according to human movement habits.

#### Specification

- Maximum air supply rate: More than 500L/min
- 360 degrees quick joint, supplies the air fast and automatically.
- Valve has an emergency gas supply button, throttle-switch and automatic suction structure to extend the usage time of cylinder
- You can view the cylinder pressure, Remaining time, Ambient temperature, Clock display, Compass display

### OPTIONAL COMPONENTS



Buddy Breathe Hood



Full-face Mask



Demand Valve



Gas Cylinder



Cylinder Valve



Harness



Reducer



Carrying box

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