



DOSEEM RHZK9CT Self-contained Breathing Apparatus (SCBA)

DOSEEM RHZK series self-contained breathing apparatus (SCBA) is widely used in fire control, chemical, ship, oil, smelting, electric power, warehouse, laboratory, mine and other key departments for fire fighting, fire, gas, steam, and oxygen. It is a safe and effective for fire extinguishing and rescue. An ideal personal breathing protection device.



Optimized design, easy to use

DOSEEM RHZK9CT SCBA is one of the lightest fire breathing apparatus in the world. Innovatively developed an ergonomic backsheet with outstanding resistance to heat radiation, abrasion, tear and chemical resistance. Even in the harsh fire environment, DOSEEM RHZK9CT respirator is very comfortable to wear and stable. DOSEEM RHZK9CT not only obtained the latest CCCF mandatory fire certification and LA certification from the Ministry of Public Security, but also passed the EN137 1000°C high temperature flame test, which has excellent anti-wear and anti-heat radiation characteristics.

Enhanced backpack system

DOSEEM RHZK9CT integrates a strap that can be precisely attached to the backplate. Advanced extruded waterproof EVA harness material is protected by a CR rubber edge seal that resists tearing and wear. The wear-resistant and flame-retardant FR-TPE belt ensures a tight fit on the user's body even during large movements. The refined stainless steel metal lock makes the RHZK9CT quality more convenient and easy to use.

Pipeline integration, safe & reliable

In order to reduce the danger of being hooked and avoid physical damage,

pressure tube and the air supply tube are integrated in the backplane clamp of DOSEEM RHZK9CT backboard, which not only prevents thermal radiation impact, but also greatly enhances the safety of the enclosed space environment entering and working.

Easy maintenance

During service and maintenance, in order to minimize downtime and minimize costs, DOSEEM RHZK9CT incorporates a number of unique designs, all of which can be easily removed or reconnected from the backplane using simple tools. The strap is attached to the backing plate by a single adjustment of the innovative design. The snap connection of the primary pressure relief valve allows the pneumatic section to be quickly installed or removed from the respirator. The tubing can be quickly removed and cleaned from the backing plate.

Mask amplification communication device

It is convenient for firefighters to check the pressure of the cylinder at any time and completely liberate the hands. DOSEEM mask amplification communication device integrates the functions of HUD. The special technology of DOSEEM ensures the accuracy of data transmission and the uniqueness of pairing.

Best performance strap material

RHZK9CT uses state-of-the-art harness materials designed to withstand the high wear and tear that firefighters face every day. The product is equipped with a durable stainless steel lock and a long-life aramid blending belt, making it ideal for long wear and frequent use.



Article number: 01212

SCBA comprises a communication facemask, a demand valve, an air cylinder and valve, a pressure reducing valve, a high pressure pipe, a medium pressure pipe, a backplate, an electronic pressure gauge.

Recommended field: Fire rescue



02061

Electronic pressure gauge DSFSB-1



02002

Communication facemask DSM-1 & DSHUD-1



02182

Pressure gauge cylinder valve KHF-30SA



01212



02031

Demand Valve DSG-1



02084

9L Air cylinder



02232

Pressure reducer unit



02041

Backplate DSB-1

SCBA TECHNICAL DATAS

Model	RHZK9CT (01212)	Suction resistance	≤500Pa
Standard	GA124-2013	Expiratory resistance (25 times/min)	≤700Pa
Fulfill the standard	EN 137:2006; GB/16556-2007; NFPA 1981:2003	Expiratory resistance (40 times/min)	≤1000Pa
Capacity	9L	Operating temperature	-30~60℃
Storage capacity	2700L	The whole weight	12.9kg
Maximum air flow	≥1000L/min	Alarm intensity	≥90db
Working pressure	≤30MPa	Light work usage time	95min
Alarm pressure	5.5±0.5MPa	Moderate work usage time	60min
Static pressure in a mask cavity	≤500Pa	Heavy work usage time	40min

COMMUNICATION FACEMASK TECHNICAL DATAS

Name	Communication mask
Model	DSM-1+DSHUD-1
Material	Polycarbonate + Glass fiber
Face silica gel / Oral Mask silica gel	Silica gel / Elastomer TPE
Head strap	Aramid / Head net type
Interface	Bayonet type
Suction resistance	≤500Pa
Expiratory resistance (25 times/min)	≤700Pa
Expiratory resistance (40 times/min)	≤1000Pa
Protection level	IP67
Explosion-proof grade	Ex ia IIC T4 Ga
Transmit power	4mW
Speaker	8 ohm
Operating temperature	-30~+60℃
Lens transmittance	96%
Total visual field retention	80%
Binocular visual field retention	66.7%
Mask CO2 content	0.88%
Lower horizons	>35°
Weight	738g
Size	250mm * 185mm * 125mm
Accessories	Microphone shell, manual, 2 Section on the 1.5V E92 AAA 7th batteries

MAINTENANCE

After each use of a SCBA it is necessary to ensure that it is stowed in a condition whereby it is ready again for immediate use. Follow the detailed instructions given by the manufacturer; they will generally include the following:

- Clean the set thoroughly;
- The full face mask should be cleaned with mild neutral detergent and disinfectant lotion, then thoroughly rinsed with clean water and dried naturally. Do not soak the mask in alcohol disinfectants for a long period of time and do not use steam for disinfection. Check that the fastenings are in good order;
- The surface of the components such as backplate, cylinder valve, pressure reducer, high pressure gauge, alarm and so on can be cleaned without plush soft cloth or gauze;
- Inspect the complete set for damage and any loose fittings;
- After use, the gas cylinder is wiped clean with soft cloth, and labelled it is the identification of empty bottle, so that it can be inflated in time. Fit a fully charged cylinder;
- Complete high pressure and low pressure tests disinfect the facemask;
- Re-stow the equipment in a ready-to-use condition and complete all use and test records;
- The maintenance of SCBA in full dry after the correct position into the packing box, stored in the air fresh, away from the heat source, without direct sunlight in the environment. It is forbidden to store in damp environment for a long time to prevent mildew.
- All equipment must be inspected at regular intervals, the inspection cycle is not more than one month, and always after use in practice or in an emergency. It should never be stowed when wet or dirty.

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