

Full Mask Single Backboard for Fire Fighting Made of Carbon Fiber Composites Cylinder

Our Product Introduction

Basic Information

- Place of Origin: Jiangsu, China
- Brand Name: KELISAIKE
- Model Number: KL99
- Minimum Order Quantity: 1PC
- Price: \$40.00/sets >=1 sets
- Packaging Details: Inside package is black plastic carton, outside package is paper carton.
- Stock: 1PC
- Supply Ability: 300 Set/Sets per Month



Product Specification

- Cylinder Material: Carbon Fiber Composites
- Gas: Compressed Air
- Volume Of The Gas Cylinder: 2L, 3L, 4.7L, 6.8L, 9L
- Working Pressure: 30MPa
- Service Time: 60 Min
- Weight: 9 Kg
- Packing: Orange Plastic Suitcase
- Warranty: 1 Year
- Certificate: CE:EN137
- Mask: Full Mask
- Port: Nanjing
- Highlight: 2l air breathing apparatus,
3l air breathing apparatus,
2l air fed breathing apparatus



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Product Description

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2022 KL99 Safety Emergency Breathing Apparatus for firefighting

This positive pressure air breathing apparatuses are self-contained open breathing apparatuses. This series of products, which are ideal personal breathing protectors for the fireman and emergency rescuer, are widely used in such sectors as fire fighting, chemical industry, shipping, petroleum, smelting, electricity, warehouse, lab, mine, for the firemen and emergency rescuers to perform effectually rescue and relief work under the conditions of heavy smoke, poison gas, steam and hypoxia, etc.

>>>Key Features

1. This SCBA has a full face mask with big screen transparent, flame retardant & can be put on radio for communication;
2. Automatic suction structure and emergency gas supply button design for easy operation;
3. Fiber carbon gas cylinder with lightweight alloy liner which is high strength and corrosion resisting, can also be designed for different marked colors for dark work;
4. Back plate & harness flame retardant, is tolerant for different sizes of gas cylinders;
5. Alarm whistle & gauge is attached.

Product Parameters

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Volume of the gas cylinder

6.8L

Cylinder material

Carbon fiber composites

Service time	≥60mins at 30L/min
Working pressure	30MPa
Hydrostatic pressure	45MPa
Overall weight	9kg(air not included)
Gas	Compressed air
Certificate Standard	CE: EN137
Max flow(L/min)	300
Inhalation resistance(Pa)	<588
Exhalation resistance(Pa)	<687
Alarm pressure(MPa)	4 ~ 6
Alarm voice	≥90dB

Product Details Show

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Product Description

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1. KL99-A01 Full mask

Three-dimension spherical visor. The visual field could reach 91% with great optics. The lens has been rigidified and anti-fog processed thus can be without fog on surface for long time.

Fit for people's face, comfortable donning and good leak tightness.

Plug-in structure to quick connect with demand valve.

Leak tight mask is made of high quality flame resistant silicon rubber, oronasal cover use top silicon rubber, soft and high temperature resistant.

Flame resistant reticulated hood and strap are easy to wear.

Adopt high-intensity sound transmission diaphragm.

Oronasal guard suitable for wearers, decrease the inhalation carbon dioxide content.



2. KL99-A02 Audible warning device and pressure gauge

The pressure gauge is specified by scale ranged between(0-40)MPa, it is connected with the Reducer through a high pressure hose. The dial plate is made of fluorescent material, which enables user to read the figure in darkness.

The gauge surface is made of shock resistant material, protected by rubber cover, and is waterproof, quake-proof, and dust-proof.

The alarming device is designed on the high pressure hose close to the pressure indicator. When cylinder pressure is below(5.5±0.5)M Pa, the alarming whistle will sound alarming at above 90dB(A).

3. KL99-A03 Back plate assembly

Back plate assembly consists of back plate, shoulder strap, waist belt, buckle, pressure reducer holder and cylinder fastener. Back plate is designed according to ergonomics, complying with the back shape of human body, making wearer more comfortable with a larger interface. It is injection moulded by flame resistant engineering plastics and carbon fiber, it is of high intensity and shock-resistance to protect from being damaged, while weight is only 0.68 kg. Shoulder straps and belt are made of Nomex or KEVLAR, tear-resistant and flame-retardant. And they together distribute the weight of the apparatus effectively. Pressure reducer which is fixed by drift bolt on back plate can be replaced easily.



4. KL99-A04 Demand valve

Demand valve, with small size, can be inserted mask in 360° promptly. Gas supply is above 500L/min. Streamlined and elegant design, do not obstruct view. Manual close valve has small resistance for opening. Small breathing resistance to make respiration comfortable. Easy operation and use. Ensure safe air supply by using manual force air supply button. Outer shell uses flame resistance high intensity engineering plastics.



5. KL99-A05 Pressure reducer

The pressure reducer core adopts advanced technology with a design life of 15 years. The unique maximum gas supply is above 1000L/min, ensuring the user's enough respiratory volume.

The main parts that connected with the reducer:

Single or double cylinder

The medium pressure hose whose function is to supply air to the demand valve

The high pressure hose connected with the pressure indicator

6. Cylinder valve

Y-shape design, with safe self lock device to prevent inadvertent close due to hard knock or incorrect operation. Unscrew the switch hand-wheel by rotating in the counterclockwise direction, it is regarded as the open condition and close vice versa. There is safety diaphragm set in cylinder valve, with explosion pressure at (37-45)MPa to prevent the deformation and explosion of cylinder due to inner high pressure.



7. Multifunctional quick-release buckle

Stainless steel, strong and durable. Traceless design, safe and reliable.



8. Composite cylinder will be 2L/3L/4.7L/6.8L/9L

Carbon fiber cylinder has the advantages of high strength, light weight, corrosion-resistant and anti-shocking. Carbon fiber composite cylinder, inter layer is made of high intensity aluminum alloy fully wrapped with carbon fiber composite. The glass fiber surface screw is M18*1.5.



9. The intelligent electronic pressure gauge device

Power supply: 2 pcs AAA battery
standby time: more than 1 year(remove the battery when unused for long period)
service time: continuously work for 30 hours
Continuous alarm time: more than 2 hours
Operating temperature: - 30 °C ~ + 70°C
Dust-proof, waterproof, drop-proof, explosion-proof
Explosion-proof grade: Exd II CT4
Dimension: 94x62x36 mm

10. Head-up pressure display device

Power supply: CR2 lithium battery
standby time: more than 1 year(remove the battery when unused for long period)
service time: continuously work for more than 200 hours
Operating temperature: - 30 °C ~ + 70°CProtect Grade: IP67
Explosion-proof grade: Ex d IIC T4
Weight: 40 g

11. HBCS skull communication system

It comprises microphone, horn, loudspeaker, talk-listen button, connecting wire and receiver
The sending/receiving communication system and horn are installed inside the helmet; the transceiver is installed at the top of the helmet and the horn is installed at ear position.
When it is used, the head will have small vibration when talking. The requirements of interphone dialog for loudness can be met through amplification and filtration, and the communication effect can be guaranteed even under a complex environment
Flame retardant and high temperature resistant ally material is used, which ensure good impact resistance and that it can be used safely under various sever environments.
It can be used with intercoms of different types. The operation is simple and it is unnecessary for training.

Vol.	W.P of air cylinder	Max. air supply flow	Respiratory resistance		Alarm pressure	Net Weight	Service time for ref.
			Exhalation	Inhalation			
2.0L	≤30MPa	≥1000L/min	≤1000Pa	≤500Pa	5.5±0.5M Pa	1.5KG	15min
3.0L	≤30MPa	≥1000L/min	≤1000Pa	≤500Pa	5.5±0.5M Pa	2.1KG	25min
4.7L	≤30MPa	≥1000L/min	≤1000Pa	≤500Pa	5.5±0.5M Pa	3.0KG	45min
6.8L	≤30MPa	≥1000L/min	≤1000Pa	≤500Pa	5.5±0.5M Pa	3.8KG	60min
9.0L	≤30MPa	≥1000L/min	≤1000Pa	≤500Pa	5.5±0.5M Pa	4.9KG	90min
12L	≤30MPa	≥1000L/min	≤1000Pa	≤500Pa	5.5±0.5M Pa	7.4KG	125min

Certifications

Certifications

SAI GLOBAL

EC TYPE EXAMINATION

CERTIFICATE

SAI Global Assurance Services Limited ("SAI Global") (Notified Body No. NB2096) has examined the product and the related technical documentation as presented and certifies that the product complies with the Directive(s) and Standard or Specification as below and on the appendices included with this certificate.

Certificate holder: **Nanjing Kelisake Safety Equipment CO., LTD.**
No 9 Gaohu Road, Jiangning District
Nanjing 211109, Jiangsu
China

Product Description: **Personal Protective Equipment (Category III)**
Respiratory Protective Devices

Examined for compliance with: **Directive PPE 89/686/EEC - (Article 10)**

Relevant Standard(s)/Technical Specification: **EN136:1998 - Respiratory Protective Devices - Full Face Mask**
EN137:2006 - Respiratory Protective Devices - Self-contained open-circuit compressed air breathing apparatus with full face mask

Original certification date: **30th June, 2016**
Date of issue: **30th June, 2016** Expiry date: **29th June, 2021**

Certificate No: **CEC40220**

Heather Mahon
Heather Mahon
Acting Head of Policy, Risk & Certification
Authorised Signatory

This certificate remains the property of SAI Global and has been issued in accordance with SAI Global's Conditions and Procedures of the SAI Global Assurance Services Ltd. Paris House, Grand Street, The Grange, Warwick, CV34 6EF, Warwick, CV34 6EF, United Kingdom. Telephone: +44 (0)2476 366666

THIS CERTIFICATE DOES NOT ENTITLE THE HOLDER TO USE ANY OF THE CERTIFICATION TRADEMARKS OWNED BY SAI GLOBAL, UNLESS SO INDICATED.

REC-010-10 Issue 09, March 2016

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APPENDIX 1

SAI Global Assurance Services Limited ("SAI Global") (Notified Body No. NB2096) has examined the product and the related technical documentation as presented and certifies that the product complies with the Directive(s) and Standard or Specification as below.

Product Description: **Respiratory Protective Device (Category III)**

Model	Description
YLBH6	Full Face Mask - Class 3 with hot heat exchanger
KL39	Self-contained open-circuit compressed air breathing apparatus (SCBA) Type 2 for firefighting use, with 6.8L/ 9.3L composite cylinder, incorporating full face mask, VLBH6.

Examined for compliance with: **Directive PPE 89/686/EEC (Article 10)**

Relevant Standard(s)/Technical Specification: **EN136:1998 - Respiratory Protective Devices - Full Face Mask**
EN137:2006 - Respiratory Protective Devices - Self-contained open-circuit compressed air breathing apparatus with full face mask

Technical file Reference No: **CEC40220 - CR28073**

Original date of issue: **30th June, 2016**
Date of issue: **30th June, 2016**
Certificate No: **CEC40220A1**

Heather Mahon
Heather Mahon
Acting Head of Policy, Risk & Certification
Authorised Signatory

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ARTICLE 11B Directive PPE 89/686/EEC

CERTIFICATE

SAI Global Assurance Services Limited ("SAI Global") (Notified Body No. NB2096) confirm that the Management System of **Nanjing Kelisake Safety Equipment CO., LTD.** complies with the requirements of Article 11b of the Directive PPE 89/686/EEC.

Certificate holder: **Nanjing Kelisake Safety Equipment CO., LTD.**

Scope: **Manufacturing processes - Personal Protective Equipment: Respiratory Protective Device**

Relevant Standards: **EN136:1998 - Respiratory Protective Devices - Full Face Mask**
EN137:2006 - Respiratory Protective Devices - Self-contained open-circuit compressed air breathing apparatus with full face mask

Manufacturing identification covered by this certificate are: **Nanjing Kelisake Safety Equipment CO., LTD. (E-COM)**
No 9 Gaohu Road, Jiangning District
Nanjing 211109, Jiangsu
China

Technical file Reference No: **CEC40220 - CR28073**

Original certification date: **30th June, 2016**
Date of issue: **30th June, 2016** Expiry date: **29th June, 2021**

Certificate No: **CEC40220/1b**

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Related Products

Related Products



Portable Single Gas Detector

The K60 series gas detector is a full featured device that has unequaled cost of ownership. The gas detector is warranted for one year and maintenance free with replaceable battery.



EEBD

It can be carried by shoulders, which can make the hands perform other protection operation for escape, and not affected by dense smoke and external severe environment.

The service time is 15~25mins, which can make relevant personnel quickly evacuate from the dangerous environment.

Safe and reliable; it is a kind of important escape unit used in dangerous environment



Our Company

Our Company

Nanjing KELISAIKE company is one of the largest safety equipment manufactures, possessing the most complete production range and specifications in the safety equipment industry of mainland China. Nanjing KELISAIKE was founded in 2004, including three subsidiaries in Beijing, Xi'an and Sinkiang, and more than 30 domestic sales service centers, with total registered capital of 5.16 million Yuan. Standard products and services cover the portable gas detector, fixed gas transmitter, wall-mounted gas detector, gas detector control unit and air breathing apparatus etc.

Except the above, Nanjing KELISAIKE also have an experienced factory for OEM service, providing professional design and construction of the customize products. The products are widely used in fields of petroleum, chemical, gas transmission and distribution, warehousing, municipal gas, fire fighting, environmental protection, metallurgy, pharmacy, energy and power industry.

Nanjing KELISAIKE is the leader enterprise of the science and technology, persisting in creating core competencies by the core technology. In the company, there is one professional and technical talent team who masters core technology, including more than 10 senior technicians and masters.

Nanjing KELISAIKE has passed ISO9001 International Quality System Certification, which ensures all products' excellent performance and competitive prices.

Staff consist of the company. Everyone is the inseparable part of the team. We are one, and only have one mind-best service for you.

KELISAIKE Faith

People-oriented and technology-innovated

KELISAIKE Principle

Quality first, integrity-based



Why Choose Us

Why Choose Us

>>>Our Services

1. For all our products, we offer a 1 year warranty and life-long maintenance.
2. All inquiries will be replied in 24 hours.
3. We will provide technical support; our engineers will help to solve the problems you met.
4. We can provide OEM and ODM service.
5. Our factory is located in Nanjing city. Welcome to visit our factory.
6. All products will be fully checked and well packed before shipment, and qualification certificate will be provided.

>>>Calibration

For the calibration of KELISAIKE products, please feel free to contact us for help.

>>>Why choose KELISAIKE?

1. Mutual benefit : We have our own factory .So compared with other competitors ,the price will be more favorable in the same quality.
2. Professional engineers: We have 3 engineers who have experience more than 10 years and more than 5 engineer assistants works on the gas detection line, with Hi-Tech equipment. We offer more accurate and stable products.
3. Customize : We have strong R&D team that can custom product as your request.
4. Free OEM service : (a) Silk-printing your Logo(≥ 100 PCS). (b) Design your color box(≥ 500 PCS).
5. Mix order : We accept mix order, different model and small quantity order.
6. After service:(a) 1 Year warranty. (b) If you found any inferior-quality products from us, we will send new ones to replace for free in your next order after confirmed.

>>>FAQ

Q: Are you a manufacturer?

A: Sure. We are the professional safety equipment manufacturer and have the experience of produce and market over 12 years in this field.

Q: Are you provide customization?

A: Sure. It includes gas type, gas detection range, gas alarm point etc. Please contact us about the detailed specifications.

Q: Could I order one piece sample for the quality test? And do you charge for the samples?

A: Sure. We recommend to check the sample before order.
According to our company policy, we just charge the samples based on EXW price.

Q: If I order big quantity, what's the good price?

A: Please send the details enquiry to us, such as the Item Number, Quantity for each item, Quality request, Logo, Payment Terms, Transport method, Discharge place etc. We will make the accurate quotation to you as soon as possible.

Q:How about the Delivery time?

A: Samples will be prepared within 15 Days after 100% T/T in advance payment. QTY order will be delivered in 30 days.

Q:What kind of payments does KELISAIKE support?

A: T/T, L/C, Western Union, Cash all are accepted.

Q:What's the MOQ?

A:The MOQ is 1 PC. Please never mind the quantity.



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