



## Reliable Quality Carbon Fiber Cylinder Air Breathing Apparatus Scba for Fire Disaster

### Our Product Introduction

for more products please visit us on [multi-gasdetection.com](http://multi-gasdetection.com)

#### Basic Information

- Minimum Order Quantity: 1 Set (MOQ)
- Price: US\$350.00-500.00
- Shipping Method: LCL, AIR, FCL, Express, Negotiation
- Payment Terms: T/T, Western Union, MoneyGram, Paypal



#### Product Specification

- Model NO.: KL99
- Customization: Available
- Certification: CE, ISO
- Cylinder Material: Carbon Fiber Composites
- Gas Cylinder Volume (L): 2L, 3L, 4.7L, 6.8L, 9L
- Working Pressure: 30MPa
- Hydrostatic Pressure: 45MPa
- Specification: 76.5\*28.5\*52
- Inhalation Resistance: 588PA
- Max Flow: 300L/Min
- Highlight: carbon fiber SCBA breathing apparatus, fire disaster air breathing apparatus, SCBA cylinder with carbon fiber



#### More Images



### Our Product

#### Product Description

## Fire Fighting Equipment 6.8L Carbon Tank Air Breathing Apparatus



The **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 effectively rescue and relief work under the conditions of heavy smoke, poison gas, steam and hypoxia, etc.

**>>>Technical Specification Data:**

Item	Description	
KL99-SCBA SET(self-contained air breathing apparatus)	Cylinder Material	Carbon fiber composites
	Service Life of Cylinder	15 years
	Filled Content	Compressed air
	Cylinder volume(L)	4.7, 6.8, 9 or 6 steel cylinder
	Hydrostatic pressure(Mpa)	50Mpa (500Bar)
	Working pressure(Mpa)	≤30Mpa
	Max flow(L/min)	≥1000
	Inhalation resistance(Pa)	≤500
	Exhalation resistance(Pa)	≤1000
	Alarm pressure(Mpa)	5.5±0.5
	Alarm(dB)	≥90
	Screw Thread	M18*1.5
	Approved temperature	-40 to +60
	Approvals	EN137:2006/ EN136:1998

KL99 Carbon Fiber Composite Cylinder						
Part No.	Volume(L)	OD(mm)	L(mm)	Gas Capacity(L)	Wall Thickness(mm)	Complete Set N.W (KG)
KL99-C1-88-2.0-30-T	2	96	433	544	≥2.0mm	1.5
KL99-C2-105-3.0-30-T	3	114	446	817	≥2.0mm	2.1
KL99-C3-125-4.7-30-T	4.7	137	492	1275	≥2.0mm	3
KL99-C4-144-6.8-30-T	6.8	157	528	1835	≥1.8mm	3.8
KL99-C5-162-9.0-30-T	9	174	550	2530	≥2.0mm	4.9

**>>>Component parts:**



**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 backboard

It is designed according to ergonomics to fit different users. The main body's weight is only 0.685kg. The tortuosity can be above 90 degree. It is made from a high strength material, which is chemical, high temperature and impact resistant.

#### 3. KL99-A03 warning whistle 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, quakeproof, and dustproof.
- The alarming device is designed on the high pressure hose close to the pressure indicator. When cylinder pressure is below(5.5+ 0.5)MPa, the alarming whistle will sound alarming at above 90d B(A).

#### 4. KL99-A04 backpack

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 0.68kg. 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.

#### 5. KL99-A05 air supply 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
- Manuel 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

#### 6. KL99-A06 decompressor

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

#### 7. Gas cylinder and cylinder valve

Y shape design, with safe self lock device to prevent inadvertent closure due to hard knock or incorrect operation. Unscrew the switch handwheel 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.

#### 8. Multifunctional fast join valve

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

#### 9. The configuration can be 2L/3L/4.7L/6.8L/9L



#### >>>Packaging:



#### >>>Company Information:



COMPANY  
APPEARANCE

THE OFFICE  
MEETING



WORKSHOP  
INSTRUMENT



- ◆ Nanjing Kelisaike Safety Equipment Co., Ltd. founded in [2004](#), Nanjing Kelisaike has three subsidiaries in Beijing, Xi'an and Xinjiang province, and over [30](#) domestic sales service centers.
- ◆ Standard products include the K60 series portable single gas detectors, K60-IV series multi gas detectors, K800 series fixed gas transmitters, K500 series wall-mounted gas detectors, K1000 series gas detector control panel units, KL99 series air breathing apparatuses, etc.
- ◆ Nanjing Kelisaike is also a factory with rich experience in [OEM](#) service, providing professional design and manufacturing of customized products.

[\*\*>>>Product Catalogue:\*\*](#)



K60  
K60



K60-V  
K60-V



K800  
K800



K500  
K500



KL99  
KL99



K1000  
K1000



KF200  
KF200



KF300  
KF300

[\*\*>>>Our Advantages:\*\*](#)



**>>>Related Certificates:**



**>>>Workshop:**



**THE WORKSHOP**

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



**>>>Our Exhibition:**



**>>> Our Services**

1. For all our customers, our products have 1 year warranty, and life-long maintenance.
2. All inquiries will be replied in 24 hours.
3. Providing technical support, professional engineers are specialized in dealing with gas monitoring problems you met.
4. OEM and ODM service are welcome.
5. KELISAIKE plant is located in Nanjing, only 1 hour by high speedtrain from Shanghai. Welcome to visit the

factory.

6. All products are well tested and packed before shipment; the certificate of inspection will be provided.

#### **>>> Why choose KELISAIKE:**

1. Mutual benefit : We are a factory. The price is much more competitive than others in the same quality.
2. Professional engineers: With 20+years history, KELISAIKE has a professional engineering team: 4 engineers who have more than 20 years' experience and over 5 engineer assistants in gas detection line, with Hi-Tech manufacturing equipments, we make more accurate and stable products.
3. Customize : We have strong R&D team, the custom product as your request are available.
4. Free OEM service :(a) Silk-printing your Logo( $\geq 100$ PCS). (b) Design your color box( $\geq 500$ PCS).
5. Mix order : We accept mix order, different model and small quantity order.
6. After service: (a) 1 Year warranty. (b) If there's any inferior-quality products are found, new ones could be sent to replace at freecost in the next order after confirmation.

#### **>>> FAQ**

##### **Q: Are you provide customization?**

A: Of course. 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: May I have your catalogue and price list for trial order in MOQ quantity?**

A: All our products were shown on Made in China, please have a detailed looking and choose the interested models in our site. Or you can send email to us.



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