



KL99 Air Breathing Apparatus Safety Equipment With 6.8L Carbon Fiber Cylinder

Our Product Introduction

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Basic Information

- Minimum Order Quantity: 1PC
- Stock: 1PC



Product Specification

- Model NO.: KL99-9L(intelegent With Communication System)
- Standard: Q/Kj015-2002
- Hydrostatic Pressure(MPa): 45
- Working Pressure(MPa): 30
- Gas: Compressed Air
- Gas Cylinder Volume(L): 2L,3L,4.7L,6.8L,9L
- Max Low(L/Min): 300
- Inhalation Resistance(PA): <588
- Exhalation Resistance(PA): <687
- Equips: 6.8L Carbon Fiber Cylinder
- Service Time: More Than 60mins At 30L/Min
- Transport Package: Carton/Set
- Specification: 76.5*28.5*52
- Trademark: KELISAIKE



More Images



Product Description



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.

>>>Technical Character

Type: KL99 composite cylinder
Hydrostatic pressure(Mpa): 45

Gas: Compressed air
Max flow(L/min): 300
Exhalation resistance(Pa):<687
Alarm(dB):≥90

Material: Carbon fiber composites
Working pressure(Mpa): 30

Gas cylinder volume(L):
2L,3L,4.7L,6.8L,9L
Inhalation resistance(Pa):<588
Alarm pressure(Mpa): 4~6

KL99 Carbon Fiber Composite Cylinder

No.	Volume(L)	Outside Diameter(mm)	Wall Thickness(mm)	Working pressure(Mpa)	Weight(kg)	Length(mm)
KL99-C1	2	96	M18*1.5	30	1.5	433
KL99-C2	3	114	M18*1.5	30	2.1	446
KL99-C3	4.7	137	M18*1.5	30	3	492
KL99-C4	6.8	157	M18*1.5	30	3.9	530
KL99-C5	9	175	M18*1.5	30	5.3	560

» Product Detail

KL99-SCBA





CE/ MED approved, meeting EN137, EN136 standards.

Air Cylinders: More robust and safer four-layer composite structure design; aluminum alloy inner bladder; carbon fiber; glass fiber; epoxy resin

Design of a CFRP cylinder:



Reduced Pressure Assembly:

Stable output pressure of the compressor. Despite featuring a small volume carbon fiber tank, the high pressure air in the tank can be quickly converted to standard low pressure breathable air.

Full Mask: Plug- in structure for quick connection with the demand valve; Leak tight mask, made of high quality flame resistant silicon rubber; Top silicon rubber oronasal cover, soft and high temperature resistant; Flame resistant reticulated hood and strap, easy to wear; High-intensity sound transmission diaphragm.



- **Back Plate Assembly** Consisting of a back plate, shoulder straps, a waist belt, a buckle, a pressure reducer holder and a cylinder fastener. Designed according to ergonomics, complying with the back shape of 5. human body.
- **Injection moulded**, with flame resistant engineering plastics and carbon fiber. The shoulder straps and belt are made of Nomex or KEVLAR, tear- resistant and flame-retardant.

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 90dB(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 close 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



Carbon fibre cylinder has the advantages of high strength, light weight, corrosion-resistant and anti-shocking.

Carbon fibre 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.

>>> Packaging & Shipping



>>> Company Information

» About Us



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.

specifications in the safety equipment industry of mainland China.

Nanjing KELISAIKE was founded in 2004, including three subsidiaries in Beijing, Xi'an and Xinjiang, and more than 30 domestic sales service centers, with total registered capital of 5.16 million Yuan.

Core products and services are portable gas detector, fixed gas transmitter, wall-mounted gas detector, gas detector control unit, air breathing apparatus etc.

Also Nanjing KELISAIKE is 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.

>>> Our Services

- 1.The inquiry and question will be replied within 12hours
- 2.High quality with competitive price
- 3.Good after sales service
- 4.Accept OEM
- 5.One of the most professional safety equipment manufacture with a very good and trained team

>>> FAQ

1.How about the Delivery time?

Samples will be prepared within 5 Days after 100% T/T in advance payment. QTY order will be delivered in 20days.

2.What kind of payments does jenor support?

T/T, L/C, Western Union, Paypal & Cash are accepted.

3.What's the MOQ?

Generally speaking, the MOQ is 10PCS, but we also can provide you samples for quality inspection.

4.Do you charge for the samples?

According to our company policy, we just charge the samples based on EXW price and we will return the samples fee during the next qty order.

5.Can you produce according to customers' design?

Sure, we are professional manufacturer and OEM services is welcome!

» Product Application Show



- The company's products are widely used in fields of petroleum, chemical, gas transmission and distribution, warehousing, municipal gas supply, fire fighting, environmental protection, metallurgy, pharmacy, energy and power industry.



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