

Portable 2L Gas Cylinder Trolley Mounted Breathing Apparatus For Industrial Safety

Our Product Introduction

Basic Information

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



Product Specification

- Model NO.: KL99-FBCAR
- 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,12L
- Max Low(L/Min): 300
- Inhalation Resistance(PA): <588
- Exhalation Resistance(PA): <687
- Usage: Personal Protective Fire Fighting Equipment
- Service Time: More Than 60mins At 30L/Min
- Transport Package: Carton
- Specification: 76.5*28.5*52
- Origin: Nanjing, China
- HS Code: 90200000



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Product Description

isolation breathing protection SCBA air supply unit on trolley

>>> Overview

Movable long-tube positive pressure air breathing apparatus is a kind of safe and reliable breathing protection equipment that is convenient to maintain and can be used for long time. This model of breathing equipment can replace any air cylinder without affecting its use and able to work continuously.

As the breathing equipment has tight structure, easy to operate, portable structure (convenient cart), operators don't carry heavy items such as back-up and air cylinder etc. It has such features as light, convenient to move, especially suitable to work at narrow places such as long time maintaining, inspection, clearing up, painting and smelting work at such places with thick smoke, poisonous gas or anoxia inside oil tank or engine room. Usually, it's used for occasions as petrochemical industry, aerospace, underground coal mining, nucleus plant, chemical plant, painting industry, metallurgical industry, fire fighting, underground pipeline and sewage and gas pipeline etc.

1. KL99-A01 full mask

A complete set contain with parts as following:

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 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 KEVLA R, 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

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

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.

>>> Technical Specification

| Performance index | 4-cylinder device | 2-cylinder device |
|-------------------|-----------------------|-----------------------|
| Material | Carbon fiber cylinder | Carbon fiber cylinder |
| Water capacity | 6.8L | 6.8L |

| | | | |
|----------------------|--|--|--|
| Cylinder | Working pressure | 30MPa | 30MPa |
| | Quantity | 4 | 2 |
| | Input pressure | ≤30MPa | ≤30MPa |
| Decompression valve | Output pressure | About 0.7 Mpa | About 0.7 Mpa |
| | Maximum output flow | ≥1000L/ min | ≥1000L/ min |
| Safety valve | Opening pressure | 1.1~1.7MPa | 1.1~1.7MPa |
| Alarm | Alarm pressure | 5.5±0.5MPa | 5.5±0.5MPa |
| Regulator | Maximum dynamic inhalation resistance | 500Pa | 500Pa |
| Medium-pressure hose | Length | Standard configuration: 50m;≤90m at most | Standard configuration: 50m;≤90m at most |
| Packing measurement | External dimension (length*width*height) | 900mm*1000mm*520mm | 900mm*970mm*520mm |

KL99 Carbon Fiber Composite Cylinder

| Part No. | Volume (L) | OD (mm) | Wall Thickness (mm) | Working pressure (MPa) | Weight (Kg) | Length (mm) |
|----------|------------|---------|---------------------|------------------------|-------------|-------------|
| KL99-C1 | 2.0 | 96 | M18*1.5 | 30 | 1.5 | 433 |
| KL99-C2 | 3.0 | 114 | M18*1.5 | 30 | 2.1 | 446 |
| KL99-C3 | 4.7 | 137 | M18*1.5 | 30 | 3.0 | 492 |
| KL99-C4 | 6.8 | 157 | M18*1.5 | 30 | 3.9 | 530 |
| KL99-C5 | 9.0 | 175 | M18*1.5 | 30 | 5.3 | 560 |

>>> Packaging & Shipping Company Information

Nanjing KELISAIKE 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 Xinjiang, 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, 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.

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

KELISAIKE Faith

People-oriented and technology-innovated

KELISAIKE Principle

Quality first, integrity-based

Our Services

- 1.The inquiry and question will be replied within 12 hours
- 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 20 days.

2.What kind of payments does your support?

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

3.What's the MOQ?

Generally speaking, the MOQ is 10 PCS, 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!



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