



Self-Contained Breathing Apparatus SCBA with Carbon Fiber Composites 30MPa Working Pressure and 60 Mins Service Time

Our Product Introduction

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Basic Information

- Minimum Order Quantity: 1PC
- Price: \$300-\$500
- Stock: 1PC



Product Specification

- Model NO.: KI99
- Warranty: 1 Year
- Certificate: CE: En 136, En137
- Transport Package: Orange Plastic Carton
- Specification: 75x47.5x31cm
- Trademark: KELISAIKE
- Origin: Nanjing, Jiangsu, China
- HS Code: 9020000000
- Supply Ability: 1000sets Per Month
- Volume Of Cylinder: 2L, 3L, 4.7L, 6.8L, 9L
- Cylinder Material: Carbon Fiber Composites
- Working Pressure: 30MPa
- Gas: Compressed Air
- Service Time: 6.8L For 60 Mins
- Weight: 9 Kgs(Not Including Air)



More Images



Self-Contained Breathing Apparatus SCBA Industrial Firefighter Safety Gear

This positive pressure air breathing apparatus is a self-contained open breathing system designed as ideal personal breathing protection for firefighters and emergency rescuers. Widely used in fire fighting, chemical industry, shipping, petroleum, smelting, electricity, warehouses, laboratories, and mines, it enables effective rescue operations in hazardous environments including heavy smoke, toxic gas, steam, and oxygen-deficient conditions.

>> 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



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.



Technical Specifications

General Specifications

Volume of the gas cylinder	6.8L/9L
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
Standard	CE: EN137

Model Comparison

Type	KL99-6.8L/30	KL99-9L/30
Working pressure (MPa)	30	30
Volume of the gas cylinder (L)	6.8	9
Max flow (L/min)	300	300
Inhalation resistance (Pa)	<588	<588
Exhalation resistance (Pa)	<687	<687
Alarm pressure (MPa)	4-6	4-6
Service time (min)	60	90
Overall weight (kg)	9	≤11
Alarm voice	≥90dB	≥90dB

Component Details

1. KL99-A01 Full Mask

Adaptable to fit all different face shapes, made of flame-retarded silicone for safety and comfort. Features anti-fog design with wide field of vision. The visor is constructed from high-impact scratch-resistant material, extending lifespan by 3-4 times.

2. KL99-A02 Backboard

Ergonomically designed to fit different users with a lightweight main body weighing only 0.685kg. Offers over 90 degrees of flexibility and is constructed from high-strength material resistant to chemicals, high temperatures, and impacts.

3. KL99-A03 Warning Whistle and Pressure Gauge

Integrated warning whistle and pressure gauge positioned on the chest when donned. Provides continuous 90dB alarm audible in noisy environments. The pressure gauge features waterproof and shockproof design with readability in darkness.

4. KL99-A04 Backpack

Flexible backpack with comfortable, detachable tournure to eliminate waist and shoulder pressure. Shoulder straps and belt made of Nomex

or KEVLAR materials that are tear-resistant and flame-retardant, effectively distributing apparatus weight.

5. KL99-A05 Air Supply Valve

Compact handhold valve that can be inserted into mask in 360° orientation. Delivers gas supply exceeding 500L/min for reliable breathing support.

6. KL99-A06 Decompressor

Advanced decompressor core technology with 15-year design life. Unique maximum gas supply exceeding 1000L/min ensures adequate respiratory volume for users.

7. Gas Cylinder and Cylinder Valve

Carbon fiber cylinder offers high strength, light weight, corrosion resistance, and shock resistance. Y-shape self-locking cylinder valve prevents accidental opening from collisions or misoperation.

8. Multifunctional Fast Join Valve

Stainless steel construction for strength and durability. Traceless design ensures safe and reliable operation.

9. Cylinder Configuration Options

Available in 2L, 3L, 4.7L, 6.8L, and 9L configurations. Carbon fiber cylinders feature corrosion-resistant aluminum alloy interior with carbon fiber middle layer. Glass fiber surface screw is M18*1.5.

PACKAGING & DELIVERY

Delivery Time

7-10 days after payment



packing interior:
good quality plastic case

Dim:76*28*52mm
G.W:27KG



COMPANY
APPEARANCE

THE OFFICE
MEETING



WORKSHOP
INSTRUMENT



- Nanjing Kelisaik Safety Equipment Co., Ltd. founded in 2004, Nanjing Kelisaik 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 Kelisaik is also a factory with rich experience in OEM service, providing professional design and manufacturing of customized products.

» Our Certificates



We have obtained CE, ISO and other international certificates for different market requirements.



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