

## KL99 High-Performance Carbon SCBA Kit with Full-Face Mask

Our Product Introduction

for more products please visit us on multi-gasdetection.com

### Basic Information

- Minimum Order Quantity: 1 set
- Price: USD 450/set
- Stock: 10 set in stock
- Shipping Method: Express
- Description: Compact, positive-pressure SCBA featuring a flame-retardant full-face mask and carbon-fiber cylinder—ideal for firefight
- Payment Terms: T/T, T/T



### Product Specification

- Product Name: Self-contained Breathing Apparatus / SCBA
- Cylinder Capacity: 2 L To 12 L, Carbon - fiber Composite
- Max Airflow:  $\geq 1000$  L/min (system Capacity)
- Working Pressure: 30 MPa
- Certifications: CE, EN137 Approved For Firefighting Use
- Applications: Firefighting, Chemical, Metallurgy, Marine, Military
- Highlight: **KL99 SCBA kit with full-face mask, high-performance carbon SCBA kit, full-face mask air breathing apparatus**



### More Images



## Product Description

### KL99 Self-contained SCBA with Carbon Fiber Cylinder



The **KL99 SCBA** is a positive-pressure, self-contained breathing apparatus tailored for firefighters and industrial personnel confronting oxygen-depleted or hazardous atmospheres. It integrates safety, reliability, and ergonomic comfort to meet the stringent performance demands of high-risk operations.

Its **flame-resistant silicone full-face mask** boasts an anti-fogified, spherical visor that delivers a **91% field of view**, ensuring clarity even in smoke-filled or low-visibility conditions.

A **demand valve** supplies air at  $\geq 500 \text{ L/min}$ , maintaining minimal breathing resistance, while the **360° quick-connect plug** ensures rapid, secure mask attachment.

The ergonomically designed **backplate and harness**, featuring flame-retardant KEVLAR or Nomex straps and a belt, diffuses weight evenly for increased comfort. The backplate, molded from flame-resistant plastics and carbon fiber, weighs only **0.685 kg**.

The **pressure reducer** provides stable airflow exceeding **1,000 L/min**, suited to strenuous breathing demands during emergency response.

Safety is augmented with a **luminous, shock- and water-resistant pressure gauge** and a loud alarm ( $\geq 90 \text{ dB}$ ) that triggers when cylinder pressure drops below  $5.5 \pm 0.5 \text{ MPa}$ .

Available **carbon-fiber composite cylinders** range from **2 L to 12 L**, striking a balance between lightweight construction and extended air supply.

Certified to **CE: EN137** standards and offering **60–90 minutes service duration** (depending on cylinder size at  $30 \text{ L/min}$ ), the KL99 SCBA is widely deployed in firefighting, petrochemical, maritime, power generation, metallurgy, and military contexts—all validating its reliability under extreme conditions.

## Technical Specifications Data

Item	Description						
KL99 SCBA SET (self-contained breathing apparatus)	Cylinder material		Carbon fiber composites				
	Service Life of Cylinder		15 years				
	Hydrostatic pressure(Mpa)		50				
	Working pressure(Mpa)		30				
	Filled Content		Compressed air30				
	Cylinder volume(L)		2L,3L,4.7L,6.8L,9L				
	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				
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

Note: Service time is calculated based on moderate working intensity (30L/min respiratory rate).

## >> About Us



## 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.



**OEM&ODM**  
Founded in 2004



**Nanjing Kelisaike Safety Equipment Co., Ltd.**



+86 25 8719 3262



manager@njklsk.cn



multi-gasdetection.com

Bldg 12, 2 Qingshuiting West Road, Nanjing, Jiangsu, China, 211102