

KI99 Self-Contained Scba With Carbon Fiber Cylinder Firefighting Respirator With Full Face Mask & Demand Valve

Our Product Introduction

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Basic Information

- Minimum Order Quantity: 1 set
- Price: USD 450/set
- Stock: 1 set in stock
- Shipping Method: Express
- Description: Compact positive pressure SCBA with flame-resistant full face mask and carbon fiber cylinder. Ideal for firefighting, ch
- Payment Terms: T/T, T/T



Product Specification

- Product Name: Self-contained Breathing Apparatus / SCBA
- Material: Flame-resistant Silicone Mask, Carbon Fiber Cylinder
- Working Pressure: $\leq 30\text{MPa}$
- Cylinder Capacity Options: 2L, 3L, 4.7L, 6.8L, 9L, 12L
- Air Supply Flow: $\geq 1000\text{L/min}$
- Applications: Firefighting, Chemical, Metallurgy, Marine, Military
- Highlight: KI99 Self-Contained Scba, Full Face Mask Self-Contained Scba, Carbon Fiber Cylinder Self-Contained Scba



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Product Description

KL99 Self-contained SCBA with Carbon Fiber Cylinder



KL99 SCBA is a positive pressure self-contained breathing apparatus developed for firefighters and industrial personnel working in oxygen-deficient or hazardous gas environments. This system offers reliable respiratory protection with a wide range of features to ensure both safety and comfort.

The full face mask is made of flame-resistant silicone, designed to fit snugly and comfortably on various face shapes. Its anti-fog spherical visor provides a wide 91% field of vision and clear visibility in demanding conditions. The demand valve supplies air at a rate of $\geq 500\text{L/min}$ with low breathing resistance and can be quickly connected to the mask via a 360° plug-in system. The ergonomic backplate assembly includes flame-retardant shoulder straps and waist belt made of KEVLAR or Nomex, helping evenly distribute weight. The pressure reducer ensures air stability and can deliver more than 1000L/min of flow, suitable for high-intensity operations.

Equipped with a luminous pressure gauge and audible alarm device, the system alerts users when cylinder pressure drops below $5.5 \pm 0.5\text{MPa}$. The air cylinder is available in multiple capacities (2L to 12L) and is made from high-strength carbon fiber composites to ensure lightweight durability.

KL99 SCBA is widely used in firefighting, petrochemical, marine, power generation, metallurgy, and military applications. It delivers reliable, long-duration breathing protection under extreme conditions.

Technical Specifications Data

Item	Description
Cylinder material	Carbon fiber composites
Service Life of Cylinder	15 years

KL99 SCBA SET (self-contained breathing apparatus)			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).

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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



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