

KL99-SABA Supplied-Air Respiratory Solution – Emergency Rescue & Industrial-Grade

Our Product Introduction

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Basic Information

- Minimum Order Quantity: MOQ 1pc
- Price: USD 350
- Stock: In stock 100pcs
- Shipping Method: Express
- Description: The SABA delivers exceptional versatility, ergonomic comfort, and cost-effective value for emergency and industrial appl
- Payment Terms: T/T



Product Specification

- Product Name: Emergency Escape Breathing Apparatus
- Weight: 2.1kg
- Working Pressure: 30 MPa
- Inhalation Resistance: < 500 Pa
- Exhalation Resistance: < 1000 Pa
- Cylinder Material: Steel, Carbon Fiber Composites, carbon Fiber Cylinder
- Highlight: emergency escape breathing device with warranty
, industrial-grade supplied-air respiratory solution
, KL99-SABA emergency rescue respirator



More Images



Product Description

KL99-SABA Supplied-Air Respiratory Solution – Emergency Rescue & Industrial-Grade



The **SABA** is engineered to be **versatile, comfortable, and cost-effective**, delivering a streamlined design for industrial airline systems. It integrates the first-stage pressure reducer and cylinder valve into a single compact assembly—minimizing bulk and snag hazards, which is ideal for use in confined hazardous spaces or toxic atmospheres.

Components Overview – Revised Structure

1. Full-Face Mask (A01)

A molded flame-resistant silicone mask designed for ergonomic wear.

Features a spherical, anti-fog visor that provides up to **91% field of view** for enhanced situational visibility.

Offers a snug fit with excellent sealing and easy donning.

Employs a plug-in connector for quick fixation to the demand valve.

Includes high-durability, high-heat-resistant silicone around the oronasal area and flame-retardant hood and straps.

Equipped with a sound-transmitting diaphragm to aid communication and an oronasal guard to reduce CO₂ buildup.

2. Air Supply Valve (A02)

A compact **demand valve** enabling rapid, 360° mask connection.

Delivers airflow above **500 L/min** with minimal inhalation resistance.

Streamlined to avoid impeding sight lines.

Features an easy-to-operate manual shutoff, low resistance for breathing, and a flame-retardant exterior made of high-strength engineering plastic.

3. Harness Assembly (A03)

Crafted from high-spec nylon or kevlar blends with exceptional mechanical strength, fatigue resistance, and toughness.

Ergonomically contoured to distribute weight evenly and conform to the user's body for enhanced comfort during extended wear.

4. Tube Assembly (A04)

Includes high-seal quick-disconnect couplings for secure, efficient use.

Built with a durable high-quality breathing tube.

Incorporates a combined switch valve and distress whistle in-line to reduce overall system weight.

5. Cylinder Valve with Gauge (A05)

Merges cylinder valve and pressure gauge into one unit for real-time trend monitoring and safety during emergencies.

PG-S pressure gauge model ensures readability of pressure in low-light or turbulent environments.

6. Carbon-Fiber Composite Cylinder (A06)

Constructed with a lightweight aluminum liner wrapped in high-strength carbon fiber for resilience, corrosion resistance, and shock absorption.

Cylinder uses standard threads (e.g., M18 × 1.5) for universal compatibility.

7. Optional Extension Hose (A07)

High-grade extension hose designed to facilitate flexible and secure connection with supplied-air respirators.

I Technical Specification

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	10min
3.0L	≤30MPa	≥1000L/min	≤1000Pa	≤500Pa	5.5±0.5M Pa	2.1KG	15min

Note1: The weight of complete unit is based on lightest configuration. I

Note2: The service time is calculated based on medium work intensity(respiratory capacity: 40 L/min).



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