SELF-CONTAINED BREATHING APPARATUS

SCA AS70

Modular SCBA KFAC · KGS · Type 3 cylinder



OVERVIEW

A modular SCBA completed by your choice — add HUD, communication and PASSTIC functions as you need them.

SCA AS70 is a modular self-contained breathing apparatus built around a common core: an adjustable 8-way moving backframe, a rotating regulator that accepts both 90° and 180° cylinder valves, and a lighter Type 3 composite cylinder.

45 / 60	3	KFAC
minute service time	add-on modules: comm · HUD · PASSTIC	certified

FUNCTIONS / FEATURES

12 FEATURES

01

Modular, Configure-to-Order Design

One SCBA platform, specified to your mission. Detachable communication module, wireless HUD and wireless PASSTIC are optional add-ons, so each unit carries only the functions the team needs.

02

Wireless PASSTIC — Electronic Gauge

Pairs with the backframe by NFC contact and shows remaining air, available breathing time and time in operation on a bright colour display.

03

PASSTIC — Thermal Imaging Camera

Built-in thermal camera for rapid search in darkness and smoke, with four display modes: colour, black & white, inverted grey and FIRE.

04

PASSTIC — PASS Alarm

Integrated personal alert safety system sounds an alarm to call for rescue when a firefighter is in danger.

05

Detachable Communication Module

Clips onto the face-piece. Works as a voice amplifier on its own and as a radio headset when a radio is connected; usable with a commander's fist microphone or directly at the face-piece. Up to 12 hours per charge.

06

Wireless HUD

Magnetic, detachable head-up display paired by NFC. Shows cylinder pressure in four stages (300 / 225 / 150 / 75 bar) and vibrates inside the face-piece below 75 bar.

07

Rotating Regulator

The high-pressure regulator can be positioned to match the cylinder valve type, accepting both 90° and 180° valves on the same backframe.

08

Adjustable 8-Way Moving Backframe

Moves up/down, left/right and forward/back with the wearer to distribute load. Shoulder-strap position adjusts for M and L body sizes; ergonomic lumbar pad follows the line of the lower back.

09

Lighter Type 3 Cylinder

Newly developed Type 3 carbon-composite cylinder with aluminium liner, 0.35 kg lighter than the previous design. 6.8 L (45 min) and 9.2 L (60 min) versions.

10

Improved Battery

Unified magnetic charging connector, three-level charge indicator at the push of a button, and up to 550 hours of operation on a full charge (internal test).

11

Customisable Harness

S-shaped aramid shoulder straps with D-rings for lanterns and alarms. Chest buckle height adjusts on both sides, and detachable equipment bands accept modular accessories.

12

Low-Pressure Warning & Rescue Functions

Whistle alarm at approx. 75 bar sustained down to approx. 10 bar; buddy lights switch from green to red. Quick-fill connection, by-pass valve, optional rescue mask and buddy-breathing (medium-pressure sharing) device.

Specifications are subject to change without prior notice for product improvement. Values are typical and based on manufacturer and certification test data. · Rev. 2026-10

SCA AS70 Modular SCBA

SPECIFICATION

SCA AS70

Category	45-min	60-min
Service time (at 40 L/min)	Approx. **45** min	Approx. **60** min
Fill gas	Air	Air
Total weight (excl. auxiliary mask, battery, air)	**9** kg or less	**11** kg or less
Certification	KFAC certified	KFAC certified
Cylinder volume	Approx. **6.8** L	Approx. **9.2** L
Max. air capacity	Approx. **2,040** L	Approx. **2,790** L
Cylinder type	Type 3 composite	Type 3 composite
Max. fill pressure (35 °C)	Approx. **300** bar	Approx. **310** bar
Cylinder liner	Metal (aluminium), fully wrapped composite	Metal (aluminium), fully wrapped composite
Cylinder weight (excl. air & valve)	Approx. **3.2–3.6** kg	Approx. **4.3–4.5** kg
Test pressure	Approx. **500** bar	Approx. **517** bar
Cylinder certification	Korea Gas Safety Corporation (KGS)	Korea Gas Safety Corporation (KGS)

MODULES & OPTIONS

Wireless PASSTIC	Electronic pressure gauge · thermal imaging camera (**4** modes) · PASS alarm — NFC pairing
Wireless HUD	**4**-stage LED pressure display · vibration alert below **75** bar · magnetic mount
Communication module	Voice amplifier / radio interface · up to **12** h battery · **4** h charge (**5** V / **2** A)
Other options	Rescue mask · buddy-breathing device · regulator holder · escape canister · air supply unit

Do not connect an industrial purifying canister to this SCBA for use at industrial sites. Service time varies with the wearer's physical condition and working environment.

PRODUCT DETAILS

06 VIEWS



01 Modular, Configure-to-Order Design



02 Wireless PASSTIC — Electronic Gauge



03 PASSTIC — Thermal Imaging Camera



04 PASSTIC — PASS Alarm



05 Detachable Communication Module



06 Wireless HUD

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