SELF-CONTAINED BREATHING APPARATUS

SCA 10

ICT Convergence SCBA KFI · KFAC · KGS · IP67 · Presidential Award

MODEL · SCA 10



OVERVIEW

Multi-functional ICT SCBA with an integrated communication face-piece, HUD and digital gauge.

A new multi-functional ICT convergence SCBA featuring an integrated face-piece with enhanced communication, maximising usability and stability through a right-angle valve, electronic pressure gauge and embedded-hose design. Available in 45-minute and 60-minute configurations. Winner of the Presidential Award at the Korea Fire Industry Awards.

45 / 60	IP67	KFI
minute service time	rated electronics	certified

FUNCTIONS / FEATURES

08 FEATURES

01

Team Communication Module

Integrated module with voice amplifier supports short- and long-range communication with adjustable channels; connects to wireless PTT via Bluetooth.

02

HUD Unit

Six-stage LED head-up display shows cylinder pressure (100/75/50/25%), low battery and ambient-air breathing device status.

03

Digital Gauge

Shows remaining pressure, ambient temperature alarm and usage time; integrated PASS alarm sounds when the user remains motionless.

04

Flashing Beacons

Left and right beacons show the wearer's position and guide evacuees — green in use, red at low pressure.

05

Quick Connection Valve

Built-in pressure gauge; one-touch coupling for rapid response in the field.

06

Quick Fill System

Rapid air refilling while the cylinder remains mounted on the apparatus.

07

Atmospheric Positive Pressure Diverter

Breathe ambient air while wearing the face-piece without consuming cylinder air.

08

Moving Backframe

Ergonomic load distribution, carrying handle and clean embedded-hose design. Wireless PTT and ear speaker included.

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 10 ICT Convergence SCBA

SPECIFICATION

SCA 10

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	KFI type-approved / KFAC certified	KFI type-approved / 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	Type 3
Max. fill pressure (35 °C)	Approx. **300** bar	Approx. **310** bar
Cylinder liner	Metal (aluminium)	Metal (aluminium)
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)

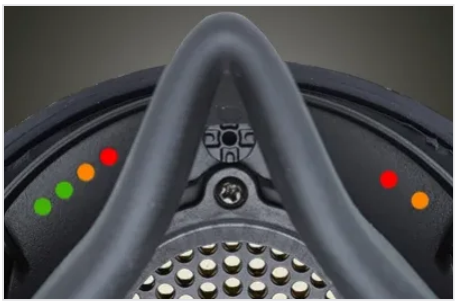
Do not connect an industrial purifying canister to this SCBA for use at industrial sites.

PRODUCT DETAILS

06 VIEWS



01 Team Communication Module



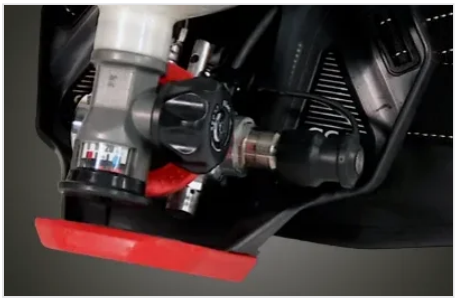
02 HUD Unit



03 Digital Gauge



04 Flashing Beacons



05 Quick Connection Valve



06 Quick Fill System

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