

SCA 10

SELF-CONTAINED BREATHING APPARATUS



Presidential Award,
Korea Fire Industry
Awards



ICT Convergence SCBA
45-min / 60-min

Specification



Category		Specifications	
Service time (at 40 L/min breathing rate)		Approx. 45 min	Approx. 60 min
Fill Gas		Air	Air
Total weight (excl. auxiliary mask, battery, and air)		9 kg or less	11 kg or less
Certification		Certified by the Korea Fire Institute (KFI)	
Cylinder	Volume	6.8 L	9.0 L
	Maximum air capacity (L)	Approx. 2,040 L	Approx. 2,790 L
	Type	Type 3	Type 3
	Maximum fill pressure (FP, at 35 °C)	Approx. 300 bar	Approx. 310 bar
	Cylinder liner material	Metal (Aluminum)	Metal (Aluminum)
	Weight (excl. air and valve)	Approx. 3.2-3.6 kg	Approx. 4.3-4.5 kg
	Test pressure (TP)	Approx. 500 bar	Approx. 517 bar
Certification		Inspected by the Korea Gas Safety Corporation (KGS)	

※ The above specifications are subject to change without prior notice for product performance improvement.

New multi-functional ICT convergence SCBA featuring an integrated facepiece with enhanced communication, maximizing usability and stability through a right-angle valve, electronic pressure gauge, and embedded-hose design

Functions / Features



Team Communication Module

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

Ear Speaker

Allows the wearer to hear ambient sound and radio audio simultaneously through the ear speaker

Atmospheric Positive Pressure Diverter

Enables the wearer to breathe ambient air while wearing the facepiece, without consuming cylinder air



HUD Unit (Head-Up Display)

Six-stage LED indicators display cylinder pressure levels (100%, 75%, 50%, 25%), low battery, and ambient-air breathing device open/closed status



Demand Valve Holder

Holder that secures the positive pressure regulator and prevents ingress of foreign matter (optional)



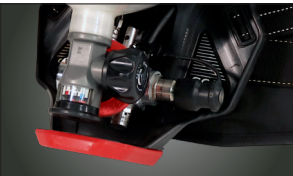
Digital Gauge

Displays remaining cylinder pressure, ambient temperature alarm, and usage time; integrated PASS function sounds an alarm when the user remains motionless



Wireless PTT

Connects the integrated facepiece and wireless PTT via Bluetooth



Quick Connection Valve

Valve with built-in pressure gauge enables checking remaining cylinder pressure; one-touch coupling allows rapid response in the field



Flashing Beacons (Left / Right)

Indicates the wearer's position and serves as a guide light for evacuees; switches from green (in use) to red (low pressure) according to cylinder pressure



Quick Fill System

Enables rapid air refilling while the cylinder remains mounted on the apparatus



Moving Backframe

Ergonomic design distributes the cylinder load for optimal wearing comfort; features a carrying handle for a secure grip and a clean design with embedded hoses

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