

Self-Contained Breathing Apparatus



SCA680WH

- SCA680WH carries with wide range of configurable option to provide safety and extra comfort to meet demand of first responder in extremely rugged for harsh fire-fighting environments.
- Through HUD(Head up display) system increase operation capability, and support user to fully focus on their mission.
- It provides wide range of air cylinder due to its condition of application.



Components

BASIC COMPONENTS			OPTIONAL COMPONENTS		
Face-piece	Air cylinder	Harness	Rescue mask	Portable air supplier	SCBA Carrier

Features



FBO system

- Allowing activation of SCBA without free flow.
- Second stage regulator activates pneumatic system by first breath.
- Air switch for breathing ambient air.



Locator lights

- Flashing light to show user's location.
- At low air in cylinder, flashing red light so that coworkers can give the user warning.



Emergency button

- Manually operate siren in emergency condition to be notified.
- Automatically switch on by opening cylinder air valve.



Moving harness

- Wide lumbar pad shifting weight from the shoulders to the hips in 8 ways during movement.
- Moving harness provides maximum freedom of movement.



Universal air connection

- Expand operation capability through quick charging air for emergency purposes.
- Charging air within a minute.



HUD system & Vibrating alert

- HUD unit allows easy monitoring of the specific pressure of the cylinder and battery information in the face-piece.
- Vibrating alert device is located on nose cup.
- When air reach to approx. 500psi vibrator gives warning alert.

Specification

Data sheet	6.8liter	9.0liter
Service time	45 min	60 min
Weight	9kg(W/O Air)	11kg(W/O Air)
Cylinder	Material	Carbon Composite
	Water Vol.	Approx. 6.8liter
	Max. Air Capacity	2,040liter
	Weight	3.6Kg
	Service pressure(FP)	300bar
	Test pressure(TP)	500bar
	Standard	D.O.T and KGS
		Carbon Composite
		Approx. 9.0liter
		2,790liter
		5.0kg
		310bar
		517bar
		D.O.T and KGS

Certification: KFI(Korea Fire Institute)

SCA680 / 680A

- SCA680/680A are CE certified SCBA in its category and it is focused on the most critical functions and features so that user can have the maximized maneuverability and operational capability.
- SCA680/680A's quick-release mechanism on the waist belt and harness, it is simple and easy to maintain, and service, ensuring that the SCBA is always available to use.
- It provides wide range of air cylinder due to its condition of application.



Components



Features (SCA680 ● SCA680A ▲)



FBO system ● ▲

- Allowing activation of SCBA without free flow.
- Second stage regulator activates pneumatic system by first breath.



Moving harness ▲

- Ergonomic backframe design that shift the weight from the shoulders to the hips promoting greater user acceptance.



Integrated regulator ▲

- First stage regulator integrated with alarm.
- Simplify design guarantee for low cost of ownership to maintain.

Specification

Data sheet	6.8liter	9.0liter
Service time	45 min	60 min
Weight	8.5kg(W/O Air)	10kg(W/O Air)
Cylinder	Material	Carbon Composite
	Water Vol.	Approx. 6.8liter
	Max. Air Capacity	2,040liter
	Weight	3.6Kg
	Service pressure(FP)	300bar
	Test pressure(TP)	500bar
	Standard	CE

Certification: CE(EN137:2006, EN136:1998), MED

SCA680E

- SCA680E is designed for applications where simplicity and easy to operate in environmental conditions by first responders, municipal and industrial fire-fighters, and it can be stored to prevent of emergency incident in industrial site.
- SCA680E is one of the lightest SCBA in respirator system, it perfectly use with easy and rapid don and doff.
- It provides wide range of air cylinder due to its condition of application.



Components



Features



FBO system

- Allowing activation of SCBA without free flow.
- Second stage regulator activates pneumatic system by first breath.



Low cost ownership

- Single air line direct to connect from 1st stage regulator to demand valve.
- Support for low cost of maintenance.



Integrated regulator

- First stage regulator integrated with alarm.
- Simplify design guarantee for low cost of ownership to maintain.

Specification

Data sheet	6.0liter	6.8liter	9.0liter
Service time	40 min	45 min	60 min
Weight	14.9kg(W/O Air)	8.5kg(W/O Air)	10kg(W/O Air)
Cylinder	Material	Steel	Carbon Composite
	Water Vol.	Approx. 6.0liter	Approx. 6.8liter
	Max. Air Capacity	18,00liter	2,040liter
	Weight	7.6Kg	3.6Kg
	Service pressure(FP)	300bar	300bar
	Test pressure(TP)	450bar	500bar
	Standard	CE	CE

Certification: CE(EN137:2006, EN136:1998)

SCA680WN

- SCA680WN is one of the most reliable advanced SCBA designed to consider fire-fighters increase safety, comfort and performance in harsh environments.
- SCA680WN's ergonomically designed waist moving system supports user's movement without discomfort.
- It approves wide range of air cylinder due to its condition of application.



Components



Features



FBO system

- Allowing activation of SCBA without free flow.
- Second stage regulator activates pneumatic system by first breath.
- Air switch for breathing ambient air.



Moving harness

- Wide lumbar pad shifting weight from the shoulders to the hips in 8 ways during movement.
- Moving harness provides maximum freedom of movement.



Locator lights

- Flashing light to show user's location.
- At low air in cylinder, flashing red light so that coworkers can give the user warning.



LED warning gauge

- Indicating the air pressure in cylinder.
- At low air in cylinder, flashing red LED light.

Specification

	6.8liter	9.0liter
Data sheet	6.8liter	9.0liter
Service time	45 min	60 min
Weight	9kg(W/O Air)	11kg(W/O Air)
Cylinder	Material	Carbon Composite
	Water Vol.	Approx. 6.8liter
	Max. Air Capacity	2,040liter
	Weight	3.6Kg
	Service pressure(FP)	300bar
	Test pressure(TP)	500bar
	Standard	D.O.T and KGS

Certification: KFI(Korea Fire Institute)

SCA680(KFI)

- SCA680 is high performing SCBA with perfect design for first responders, municipal and industrial fire-fighters.
- SCA680 application by simplicity and ease to operate key essentials functions, and light weight harness exhibits outstanding impact and thermal resistance.
- It provides wide range of air cylinder due to its condition of application.



Components



Features



FBO system

- Allowing activation of SCBA without free flow.
- Second stage regulator activates pneumatic system by first breath.
- Air switch for breathing ambient air.



Locator lights

- Flashing light to show user's location.
- At low air in cylinder, flashing red light so that coworkers can give the user warning.

Specification

	4.7liter	6.8liter	9.0liter
Data sheet	4.7liter	6.8liter	9.0liter
Service time	30 min	45 min	60 min
Weight	7kg(W/O Air)	9kg(W/O Air)	11kg(W/O Air)
Cylinder	Material	Carbon Composite	Carbon Composite
	Water Vol.	Approx. 4.7liter	Approx. 6.8liter
	Max. Air Capacity	1,457liter	2,040liter
	Weight	3.2Kg	3.6Kg
	Service pressure(FP)	310bar	300bar
	Test pressure(TP)	517bar	500bar
	Standard	D.O.T and KGS	D.O.T and KGS

Certification: KFI(Korea Fire Institute)