



FIREFIGHTING
PERSONAL
PROTECTIVE
EQUIPMENT

HANCOM
LIFECARE



RESPIRATORY PROTECTIVE EQUIPMENT



RESPIRATORY

When it comes to safeguarding lives in hazardous environments, reliable air respirators are essential. HANCOM LIFECARE's air respirators are meticulously engineered to provide breathable air, effectively protecting the respiratory system from oxygen deficiency and harmful gases typically encountered in fires and industrial sites.

Harnessing cutting-edge Korean technology, HANCOM LIFECARE's air respirators prioritize user safety, ease of use, and convenience. Our innovative products boast advanced features, including seamless equipment integration and state-of-the-art communication capabilities, setting a new standard in personal protective equipment. Trust HANCOM LIFECARE to deliver unparalleled protection and performance when it matters most.

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

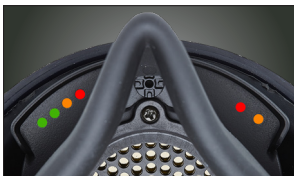
Integrated communication module with voice amplifier supports short- and long-range communication with adjustable channels; connects to wireless PTT via Bluetooth

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.

SCA 680WX SCA 790WX

SELF-CONTAINED BREATHING APPARATUS



Specification



MODEL		SCA 680WX	SCA 790WX
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
	Cylinder liner material	Carbon cylinder(Fully wrapped composite cylinder)	
	Maximum air capacity (L)	Approx. 2,040 L	Approx. 2,790 L
	Weight (excl. air and valve)	Approx. 3.6 kg	Approx. 5.0 kg
	Test pressure (TP)	Approx. 300 bar	Approx. 310 bar
	Certification	Inspected by the Korea Gas Safety Corporation (KGS), D.O.T.	

Designed for the most challenging firefighting and rescue operations, this advanced gear provides firefighters with essential tools and features for extreme fire conditions. Prioritizing both safety and efficiency, its design ensures optimal performance in the presence of smoke, fire, and other hazardous situations.

Functions / Features



230° Wide Field of View

Anti-fog film inside the front window
Available in 2 sizes (M/L)



Demand Valve

First Breathing Open(FBO)
Valves open with the first breath
without any manipulation after
the facepiece is put on



4-point Head Harness

Specifically designed to minimize air leakage, ensuring a secure and airtight fit



Cylinder Connection

Threaded connection
An optional one-touch quick-release connection is also available



Pressure Gauge

Shows low pressure warnings through the red LEDs



Buddy Lights

Locates the wearer and acts as a guide light for evacuees, switching between in use(green) and low residual pressure(red) based on pressure



Magnetic Chest Belt

Magnetic fastener makes it easy to put on and take off



EMS(Equipment Mount System)

Optional multiple gear racks designed for a variety of rescue items

BA 680CX

SELF-CONTAINED BREATHING APPARATUS



Engineered for ultimate protection and comfort, featuring an integrated explosion-proof Buddy Light tracking system for enhanced safety in the toughest firefighting conditions.

Specification



Volume		6.8 L	9 L
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)		8.5 kg or less	10 kg or less
Cylinder	Cylinder liner material	Carbon composite	Carbon composite
	Maximum air capacity (L)	Approx. 2,040 L	Approx. 2,790 L
	Weight (excl. air and valve)	Approx. 3.8 kg	Approx. 5.1 kg
	Test pressure (TP)	Approx. 300 bar	Approx. 300 bar
	Standard	CE	CE

Designed for advanced firefighting performance, the BA 680CX integrates an explosion-proof Buddy Light tracking system and meets the highest standards of safety and reliability. Engineered for extreme conditions, it ensures superior protection, comfort, and durability in every mission.

Functions / Features



Demand Valve

Ensures breathable air, activating with the user's first deep breath



LED Warning Gauge

Indicates the air pressure in the cylinder
Flashes red when cylinder air is low



By-pass Valve

Emergency escape valve for direct air supply to the facepiece in the event of demand valve failure



Buddy Light System

LED color changes instantly show remaining air status and help locate the wearer in low visibility

Green: Normal Operation / Red: Low Pressure Warning / Yellow: Low Battery



Moving Harness

- Wide lumbar pad in eight directions during movement
- Moving harness provides maximum freedom of movement



1st Stage Regulator and Whistle

- Reduces air to 8 bar before reaching the demand valve
- An alarm sounds when air drops below 55 ± 5 bar

SCA 420S

SELF-CONTAINED BREATHING APPARATUS



Specification



MODEL		SCA 420S
Service time (at 40 L/min breathing rate)		Approx. 30 min
Fill Gas		Air
Total weight (excl. auxiliary mask, battery, and air)		7 kg or less
Valve		90°
Certification		Korea Fire Institute(KFI)
Cylinder	Volume	4.7 L
	Cylinder liner material	Carbon cylinder(Fully wrapped composite cylinder)
	Maximum air capacity (L)	Approx. 1,457 L
	Weight (excl. air and valve)	Approx. 3.2 kg
	Test pressure (TP)	Approx. 310 bar
	Certification	Inspected by the Korea Gas Safety Corporation (KGS), D.O.T.

Engineered for both simplicity and reliability, this SCBA gear is perfect for firefighting and industrial applications. It focuses on essential functions to guarantee easy operation and maintenance without compromising safety. Ideal for buildings, large complexes, companies, and industrial environments, it serves as a critical safety solution.

Functions / Features



Demand Valve

First Breathing Open(FBO)
Valves open with the first breath without any manipulation after the facepiece is put on



Atmospheric Positive Pressure Diverter

Allows you to breathe with ambient air while wearing a facepiece



By-pass Valve

Emergency escape valve for direct air supply to the facepiece in the event of demand valve failure



Buddy Lights

Locates the wearer and acts as a guide light for evacuees, switching between in use(green) and low residual pressure(red) based on pressure



Warning Alarm

Alarm to aid evacuation when the residual pressure in the cylinder is approximately 75 bar (90 dB whistle until 10 bar is reached)



Pressure Gauge

Photoluminescent gauge panel makes it easy to see the residual pressure in the dark



Valve with Built-in Gauge

Allows you to check the residual pressure without opening the valve



1st Stage Regulator

Depressurizes the air in the cylinder to approximately 8 bar and supplies air to the demand valve

SCA 680 SCA 790

SELF-CONTAINED BREATHING APPARATUS



Specification



MODEL		SCA 680	SCA 790
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		Korea Fire Institute(KFI)	
Cylinder	Volume	6.8 L	9.0 L
	Cylinder liner material	Fully wrapped composite cylinder	
	Maximum air capacity (L)	Approx. 2,040 L	Approx. 2,790 L
	Weight (excl. air and valve)	Approx. 3.6 kg	Approx. 5.0 kg
	Test pressure (TP)	Approx. 300 bar	Approx. 310 bar
	Certification	Inspected by the Korea Gas Safety Corporation (KGS), D.O.T.	

Engineered for both simplicity and reliability, this SCBA gear is perfect for firefighting and industrial applications. It focuses on essential functions to guarantee easy operation and maintenance without compromising safety. Ideal for buildings, large complexes, companies, and industrial environments, it serves as a critical safety solution.

Functions / Features



Demand Valve

First Breathing Open (FBO)
Valves open with the first breath without any manipulation after the facepiece is put on



Atmospheric Positive Pressure Diverter

Allows you to breathe with ambient air while wearing a facepiece



By-pass Valve

Emergency escape valve for direct air supply to the facepiece in the event of demand valve failure



Buddy Lights

Locates the wearer and acts as a guide light for evacuees, switching between in use (green) and low residual pressure (red) based on pressure



Warning Alarm

Alarm to aid evacuation when the residual pressure in the cylinder is approximately 75 bar (90 dB whistle until 10 bar is reached)



Pressure Gauge

Photoluminescent gauge panel makes it easy to see the residual pressure in the cylinder in the dark



Valve with Built-in Gauge

Allows you to check the residual pressure in the cylinder without opening the valve



1st Stage Regulator

Depressurizes the air in the cylinder to approximately 8 bar and supplies air to the demand valve

SCA 680E

SELF-CONTAINED BREATHING APPARATUS



The lightest available in the global market, designed to minimize firefighters' fatigue during extended use.

Specification



Volume		6.8 L	9 L
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)		8.5 kg or less	10 kg or less
Cylinder	Cylinder liner material	Carbone composite	Carbone composite
	Maximum air capacity (L)	Approx. 2,040 L	Approx. 2,790 L
	Weight (excl. air and valve)	Approx. 3.6 kg	Approx. 5.0 kg
	Test pressure (TP)	Approx. 300 bar	Approx. 300 bar
	Standard	CE	CE

Designed for maximum efficiency, SCA680E meets rigorous CE standards, ensuring simple operation and maintenance without sacrificing safety. Perfect for firefighting and industrial use, it provides reliable protection in various environments, all while being exceptionally lightweight.

Functions / Features



Demand Valve

Ensures breathable air, activating with the user's first deep breath



Push Button

Simply push the button to stop air supply



By-pass Valve

Emergency escape valve for direct air supply to the facepiece in the event of demand valve failure



Harness

- Simple donning
- Aramid fabrics for high heat and flame protection



Disconnecting Button

The second stage regulator detaches from the mask only by pushing two red buttons, preventing accidental detachment



1st Stage Regulator and Whistle

- Reduces air to 8 bar before reaching the demand valve
- An alarm sounds when air drops below 55± 5 bar

SCA 119FC

FIRE ESCAPE HOOD

Features

- Aluminized hood protects the wearer's face and neck from heat during fire escape
- Shields face and respiratory organs from toxic particulates, gases, and heat
- Provides at least 15 minutes of protection against toxic fire gases
- Compact design for efficient storage in public places such as subways, hospitals, skyscrapers, and shopping malls
- Easy to don by civilians without training, taking just seconds to put on



Specification



Storage Temperature	-5°C to 50°C
Shelf Life	5 years
Approvals	EN403:2004, KS M6766:2016
Weight	Approximately 480g

Performance

GAS	Test Concentration μmol/mol(ppm)	Breakthrough Concentration μmol/mol(ppm)	Service Time(Minute)
CO	2,500	200 *	Over 15 *Time weighted average every 5 minute
	5,000		
	7,500		
	10,000		
HCl	1,000	5	Over 15
C ₆ H ₁₂	500	5	
SO ₂	100	3	
Propenal	100	0.5	
HCN	400	10	

SCA 123ND

CIVIL GAS MASK

Features

- Aluminized hood protects the wearer's face and neck from heat during fire escape
- Shields face and respiratory organs from toxic particulates, gases, and heat
- Provides at least 15 minutes of protection against both CBRN and toxic fire gases
- Compact design for efficient storage in subways, hospitals, skyscrapers, and shopping malls
- Offers protection against both toxic fire gases and CBRN agents, safeguarding civilians from various hazards in public places



Specification



Material	Hood: Aluminized fire-retardant fabric / Lens: Polycarbonate Strap: Fire retardant cotton webbing / Canister body: Fire-retardant plastic
Storage Temperature	-5°C to 50°C
Shelf Life	5 years
Approvals	EN403, KS M6766, KS M 6685
Weight	Approximately 650g

Performance

HOOD	Liquid HD ≥ 30 minutes	CANISTER	PS ≥ 10 minutes
	Vapor GB ≥ 30 minutes		GB or DMMP ≥ 40 minutes
			CK ≥ 15 minutes
			CO ≥ 15 minutes
			HCl ≥ 15 minutes
			C6H12 ≥ 15 minutes
			SO2 ≥ 15 minutes
			Propenal ≥ 15 minutes
			HCN ≥ 15 minutes





PROTECTIVE **SAFETY** SUIT & GEAR

SUIT & GEAR

HANCOM LIFECARE's protective clothing is specifically optimized for personal protection, making it ideal for use in high-risk, safety-related industries.

Our suits are crafted from premium materials, providing exceptional flame retardance, heat resistance, and chemical resistance. Rigorous quality assurance processes ensure that every product meets the highest standards of safety and reliability. Trust HANCOM LIFECARE for unparalleled protection in the most demanding environments.

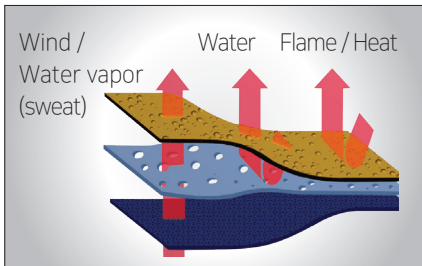
SCA CF20

PBI SPECIAL FIRE FIGHTING SUIT



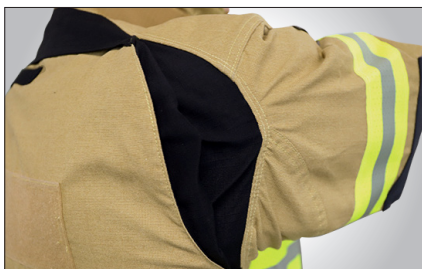
Personal special protective suit that protects the wearer with outstanding heat resistance and thermal protection performance, with enhanced wearability and utility

Functions / Features



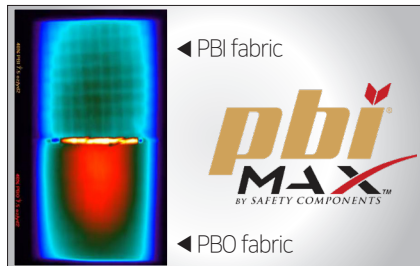
Special Multi-Layer Fabric

Outer shell PBI 35 % + Aramid 62 % + Nylon 3 %
Middle layer 100 % aramid, PTFE film
Lining 100 % aramid



Raglan Sleeves and Articulated Cut

Ergonomic design optimizes movement in the shoulder, chest, and sleeve areas for enhanced mobility and comfort



PBI MAX Fabric

Offers one of the highest levels of thermal protection among fire suit fabrics available today; a high-performance material with improved tensile strength and comfort compared to conventional PBI fabric



Modular Equipment Attachment System

MOLLE: Accommodates a wide range of equipment and tools, with a structure that allows easy attachment and detachment



Built-in Lower-Body Rescue Belt

Ergonomic load-distribution design minimizes the burden on the wearer and supports rapid escape and rescue operations in emergency situations



Drag Rescue Device (DRD)

A support structure wrapping around the shoulders and underarms enables safe and efficient movement of a downed firefighter during rescue operations

SCA 1203SA

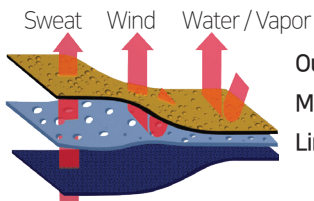
FIRE FIGHTING SUIT



Functions / Features



Material Construction



Outer shell Aramid
Middle layer Aramid / PTFE Film
Lining Aramid / Pelt

Moisture Barrier

Made of a high-quality PTFE film, it is designed to provide exceptional waterproof performance without compromising breathability. This interlining effectively blocks out moisture, keeping you dry and comfortable throughout extended periods of work.



Replaceable Suspenders

Designed to be easily replaceable, allowing for convenient washing or repair. Made from elastic material, they provide comfortable movement and reduce fatigue caused by the weight of the pants.



Separable Inner & Outer Garments

The outer garment provides essential protection against heat, flames, and external hazards while inner garment has moisture-wicking properties. For complete intended protection, both garments should be worn together.



Contoured Collar

The collar is thoughtfully contoured around the neck, ensuring wearer comfort while providing complete thermal and moisture protection.



Adjustable Ankle Hem

The ankle hem is designed to be size-adjustable, offering flexibility to the user. It features a zipper that allows for easy width customization, enabling firefighters to widen or narrow the hem according to their individual comfort and requirements.



Extended Wristlets

The wristlets are designed to provide extended protection by covering up to the back of the hand. They incorporate a thumb loop for enhanced comfort, allowing for a secure and ergonomic fit.



Ergonomic Design

The suit is meticulously crafted with ergonomic design prioritizing the user's comfort and freedom of movement. It ensures firefighters can perform their tasks with ease and agility even in demanding environments.

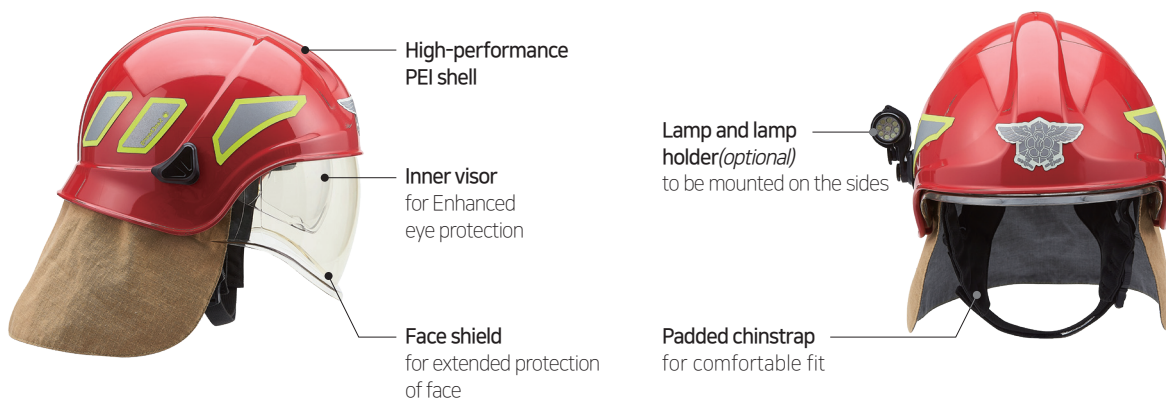
SCA 1205RD

FIRE FIGHTING HELMET



Functions / Features

- **Two visor system** for extensive face protection
- Inner cradle net made of aramid fabric for the exceptional wearer comfort even in long lasting operations
- Easy size adjustment with a big and intuitive knob
- Shell made of PEI(ULTEM) providing best-in-class protection against mechanical, thermal and flame hazards
- Neck protector with heat-resistant and flame-retardant material



Specification

Color	Black, Red, Blue
Material	PEI(Shell), PES(Face shield), Polycarbonate(Inner visor, Face shield), Suspension(Aramid)
Size	One size fits all(52-64 cm)
Set composition	Helmet (1 pc), Neck Guard (1 pc), Lantern Bracket (2 pc)
Weight	Under 1.4 kg
Certification	Meets Requirements of Korea Fire Institute (KFI)

PG-1

FIRE FIGHTING HELMET



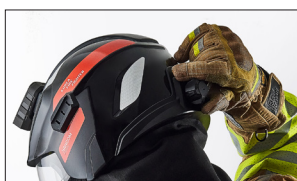
A protective device that can safely protect the face and head at fire scenes. Through design development that reflects the requirements of firefighters, this new fire-resistant helmet maximizes user convenience and stability for fire suppression.

Functions / Features



Dedicated Helmet Lantern (Optional)

Fire helmet dedicated lantern with maximum brightness of 240 lm, usable for up to 15 hours



External Adjustment Knob

Protruding dial-type adjustment knob that head size / helmet fit one size fit all 52 - 64 cm



Enhanced Interior Padding / Balance-Considered Design

Added padding to interior materials and balance-considered design to reduce fatigue during long-term wear



Integrated Interior System

Allows convenient attachment & detachment without tools, along with chin strap and water deflector. Washable and quick-drying

Specification

Color	Black, Red, Blue, Green
Material	PEI(Shell), Polycarbonate(Visor), Suspension(Aramid)
Size	One size fits all(52-64 cm) / Adjustment wheel located outside the neck protector
Side Mount	ARC Rail Mount
Weight	Under 1.4 kg
Certification	Meets Requirements of Korea Fire Institute (KFI)

SCA 1201GN

FIRE FIGHTING BOOTS



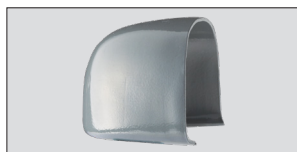
Functions / Features

- Perfect selection for fire-fighter to wear in incident area to protect their feet and ankles from heat, water and sting objects.
- Designed for structural fire-fighting, bush fire-fighting and general fire rescue
- Reinforced protection as per real-time feedbacks from Korean firefighters



Slip Resistance

KS MISO 13287 slip resistance test on steel floor with glycerol solution



Steel Toe Puff

Excellent protection against strong compression imposed on the toes



Puncture Resistance

Big mid-soles of stainless steel covering up to 95% of the bottom area



Wearer Comfort

- Replaceable insoles for easy maintenance
- Handles for quick and easy wearing

Specification



Material		Vulcanized Rubber + Aramid												
Size	mm	230	235	240	245	250	255	260	265	270	275	280	285	290
	EU	3	4	36	37	38	38	39	40	40	41	42	43	43
Weight		Under 2.8kg												
Standard		Korea Fire Institute(KFI)												

SCA 1211N

HEAT PROXIMITY CLOTHING



Specification



Material	Outer shell	Aluminum coated aramid
	Intermediate layer	Aramid
	Lining	Aramid
	Lens	PES
Weight		Approximately 8kg (excluding boots)
Size		M, L
Standard		KFI

Functions / Features

- Superior mobility and comfort with our lightweight, soft fabric, featuring advanced aluminized coating technology.
- Our suit includes a durable aluminized outer layer, thermal felt, and a quilted lining for optimal protection.
- Certified by the Korea Fire Institute of Industrial Technology (KFI), it comprises a hood, jacket, trousers, gloves, boots, and protective cover.
- Compliant with N14126 standards, it protects against biological hazards and infectious agents.
- Flexible hood and elastic bands at ankles and wrists maximize comfort and safety.



SCA1212N / SCA1211N

The jacket features a flap closure with Velcro, allowing for easy donning and doffing. When closed, it provides complete protection against heat blasts/gusts.

SCA1212N: The suit is of an encapsulated type, with the SCBA worn inside the hump located on the back.
SCA1211N: Non-encapsulated type with SCBA worn separately outside the suit.



Pants

Equipped with suspenders, making them easy to don and doff.



Hood

The safety helmet is integrated inside hood for head protection. The lens is made of 1.5 mm thick polycarbonate, providing excellent heat resistance. Additionally, it is coated to enhance resistance against reflective light, UV, and scratches, ensuring durability.



Gloves

Designed with five fingers to provide excellent dexterity and flexibility. The palm is made of leather to provide suitable protection against sharp objects, shattered glass, and other hazards.



Boots and Boot Covers

The boots, SCA1201GN, are completely covered with aluminized boot covers, offering full protection. They are resistant to slips and punctures, and additionally feature steel toe caps for protection against strong compression.

SCA 1800KY

SCA 1800ET-RK

SCA 1800ET-LK

CHEMICAL PROTECTIVE SUIT TYPE 1a



SCA 1800KY



SCA 1800ET-RK



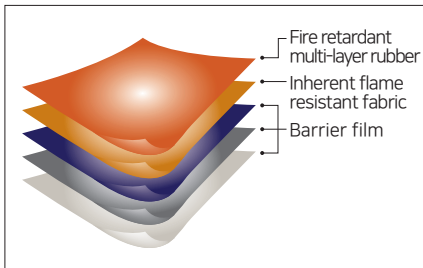
SCA 1800ET-LK



	SCA 1800KY	SCA 1800ET-RK	SCA 1800ET-LK
Level	LEVEL A	Type 1a	Type 1a
Materials	Multi-layer Rubber	Multi-layer Rubber	Multi-layer Film
Re-usable	Yes	Yes	Limited
Flash Fire Test	0	0	X
Standard	KFI	KC	KC

Our chemical protective suits feature a laminated structure of flame-retardant rubber and multi-layer film, delivering superior resistance to flames, heat, and chemicals, ensuring optimal protection for the user. The respirator can be seamlessly integrated either internally or externally with chemical protective clothing. Additionally, the adjustable inflation system can connect to an external air supply, significantly reducing heat stress and enabling continuous operation.

Functions / Features



Flame Retardant Fabrics(1800KY, 1800ET-RK)

Flame retardant due to laminated construction of flame retardant rubber, barrier film, etc, heat and chemical resistance



Ventilation

The regulating valve has 3 ventilation levels offering minimized heat stress and the greatest freedom of movement for various activities



Zipper

A highly chemical resistant zipper due to the combination of rubber and an additional barrier laminate



Glove Attachment System

The gloves are attached with the Bayonet ring system for quick and easy exchange. For extra safety, the ring system is fitted with a locking pin



Footwear

NFPA approved DUNLOP protective footwear 16" Hazmax Boots



230° Wide Field of View

Anti-fog film inside the front window Available in 2 sizes (M/L)

Flash Fire Test

The flame retardant fabric meets the standards set by KOSHA and KFI. It offers superior protection against liquid gas and flashfire hazard, ensuring maximum safety in high-risk environments.



Protective Gas

Category	State	Time
Methanol	Liquid	> 60 min
Acetone		
Acetonitrile		
Dichloromethane		
Carbon disulfide		

Category	State	Time
Fluene	Liquid	> 60 min
Diethylamine		
Tetrahydrofuran		
Ethyl acetate		
N-hexane		

Category	State	Time
Sodium hydroxide 40 %	Liquid	> 60 min
Sulfuric acid 96 %		
Ammonia 99.99 %	Gas	
Chlorine 99.5 %		
Hydrogen chloride 99.0 %		

※ KOSHA Standards (Korea Occupational Safety and Health Agency)





ELECTRICAL FIRE PREVENTION SOLUTION

ELECTRICAL FIRE

HANGCOM LIFECARE's electrical fire response solution effectively suppresses and prevents the spread of various types of electrical fires.

From preventing fire spread in Energy Storage Systems (ESS) to responding to electric vehicle fires in indoor parking lots, we offer optimal services to ensure customer safety, leveraging the advanced technology and expertise of our safety professionals.

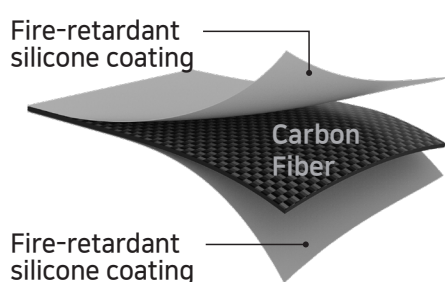
FIRE BLANKET

FIRE & SMOKE SPREAD PREVENTION FOR VEHICLES

Suppresses fire by blocking oxygen inflow and reduces flame and smoke emission during vehicle fires. Uses eco-friendly, fire-retardant coating technology.

Functions / Features

Fire-retardant
silicone coating



Fire-retardant
silicone coating

Carbon Fiber
Fire-Retardant Coating

- Application of highly heat-resistant and flame retardant carbon fiber and heat-resistant thread capable of withstanding over 1000 °C
- High tensile strength and thermal resistance



Heat-resistance Fiber
Handles

Applied to each corner for convenient and safe use



Heat-resistant Seams

Designed to withstand high temperatures(flame heat / radiant heat) for extended periods



Center Indication
Reflective tape on the central
part for quick adjustment

Marking
Lines
Easy fold with
marking lines

Optional



Backpack



Carrier



Storage
*optional

Specification

Model	SCA 6000	Number of Usage	Approx. 20~30 times
Material	Carbon Fiber(Core material)	Size	6 X 9 (m)
Heat Resistance	Up to 2,500 °C	Dedicated Bag	Backpack or Carrier
Main Features	· Eco-friendly carbon fiber · Reflective tape for quick adjustment · Easy to fold with marking lines · Special fire-retardant silicone coating		

※ Number of usage may vary depending on the usage environment

M10 MOUNTABLE TYPE

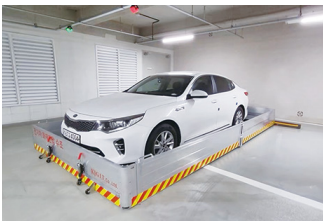
PORTABLE FOLDING IMMERSION TANK FOR COMMON SPACE STORAGE

This portable folding immersion tank can be installed and stored on a dedicated stand in indoor parking lots, and moved to fire sites for fire suppression when needed.

Specification

Model	M119 / M10
Material	Aluminum
Size	2600 × 5100 × 450 mm
Weight	Approx. 120 kg
Applicable Vehicles	Sedan, SUV, RV

Installation Case



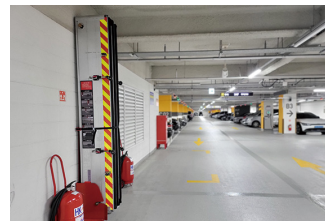
Installation Size

Size suitable up to SUVs and RVs



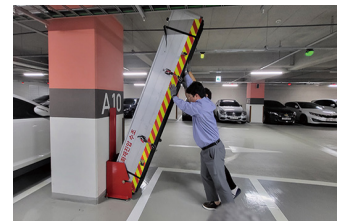
Floor Installation

Horizontal storage for areas with low ceilings



Wall Installation

Vertical storage for narrow areas



Dismounting

Can be dismantled with two people for usage

Immersion Tank Fire Suppression Sequence



① Initially suppress fire using fire blanket



② Organize fire blanket



③ Spread immersion tank



④ Move immersion tank



⑤ Supply water into the immersion tank



⑥ Complete Fire Suppression

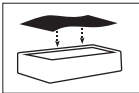
M20F

HYBRID MOBILE IMMERSION TANK

Vehicle immersion equipment for responding to EV fires in shared spaces such as indoor and outdoor parking facilities; direct immersion of the vehicle battery cuts off the fire at its source and prevents battery thermal runaway

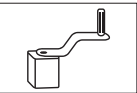
Functions / Features

All-in-One Fire Suppression Solution



Integrated product combining a fire blanket and an immersion tank

Easy Installation



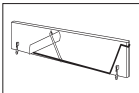
Deploys in a single motion using the wire handle

Rapid Deployment



Can be set up by one person in under one minute

Easy Storage



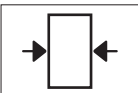
Folding design allows storage even in tight spaces

Mobility



Built-in wheels for easy transport

No Parking Space Restrictions



Can be deployed even in narrow spaces

Specification

Model	M20F
Material	Aluminum, silica (fire blanket)
Size	Choice of 2,300 × 5,300 × 450 mm 2,400 × 5,300 × 450 mm 2,500 × 5,300 × 450 mm
Weight	Approx. 150 kg
Applicable Vehicles	Sedan, SUV, RV

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



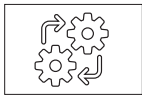
A10S

AUTOMATED FIRE SUPPRESSION SYSTEM FOR INDOOR PARKING LOTS

This system is installed on ceilings and it automatically suppresses fire caused by electric vehicles. It can also be remotely controlled to prevent fire spread.

Functions / Features

No need for Firefighters



Unmanned and fully automated multi-defense system

Combined Immersion Tank + Fire Blanket



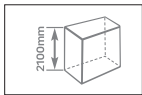
Battery thermal runaway cooling suppression, toxic gas blocking

Fire Safety Guidelines



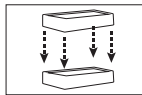
Automatically meets fire safety guidelines

Low Ceiling Installation



Can be installed in low-height locations due to its slim design (minimum 2100 mm)

Automatic Immersion Tank Deployment



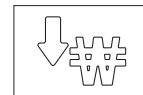
Automatically deploys and submerges battery (water level of 45 cm)

Automatic Fire Blanket Deployment



Resolves sprinkler head water spray issues and parking lot illumination issues

Most Economic System



Can be installed without loss of parking space

Specification

Model	A10S
Material	Aluminum
Size	2300 X 5500 X 320 mm
Weight	Approx. 130 kg
Applicable Vehicles	Sedan, SUV, RV
Options	Fire Blanket, Sprinkler, Remote System

Easy Installation



Can be installed on the ceiling with 4 eyebolts

EV Fire Auto-suppression Process



Fire Occurrence > Sprinkler Activation

When heat and smoke are detected, the sprinkler connected to the immersion tank activates and sprays water directly onto the vehicle



Automatic Deployment of Immersion Tank and Fire Blanket

The immersion tank and fire blanket are automatically deployed while water is being sprayed onto the burning vehicle



Submersion of Vehicle and Battery

The vehicle is covered with the fire blanket to block oxygen and spread of flames and smoke. Continuous water spraying submerges the battery



Automatic or Remote Fire Suppression

Fire suppression can be automatically activated or remotely activated without on-site access



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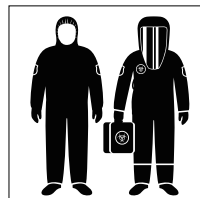
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protect, support and save lives.

"**HANCOM LIFECARE Inc.** offers a comprehensive range of products across three main segments: Masks, Respirators, and Protective Clothing. Our solutions serve the *fire service, chemical & maritime industries, homeland security, law enforcement, and military sectors.*

Specializing in the manufacture of Personal Protective Equipment (PPE), our product line includes Air-Purifying Respirators, Chemical Protective Suits (CPS), Self-Contained Breathing Apparatus (SCBA), CBRN & Anti-Riot Gas Masks, Filters, Firefighting Garments & Helmets, and Heat Proximity Clothing.

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BUSINESS in BRIEF



PROTECTIVE SUIT

- Chemical protective suit
- Special protective suit
- Heat proximity clothing
- Firefighting suit
- Boots, Gloves and etc.



RESPIRATOR

- Fire-fighter SCBA
- Automatic resuscitator
- Supplied air respirator
- Airline mask
- EEBD



GAS MASK

- Current Generation gas mask for KMND
- Military gas mask
- Civil gas mask(CBRN)
- Industrial gas mask
- Fire escape hood

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#53 Jungbudaero 1960 Beon-gil, Yangji-eup, Cheoin-gu,
Yongin-si, Gyeonggi-do, 17160, Republic of Korea
T +82-31-5183-9000 | F +82-31-321-4088

global.hancomlifecare.com