

SCA 420S

SELF-CONTAINED BREATHING APPARATUS

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

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.