

SIGMA ACSm

INDUSTRIAL TYPE 1 SCBA



THE LIGHTEST SCBA IN IT'S CLASS.

THE FUTURE OF SCBA.

Scott Safety's ACS represents a major advancement in SCBA. It is significantly lighter than any other carrying system and offers the wearer the ultimate in comfort and flexibility. The result is considerably reduced user burden combined with the highest standards of performance.



- Scott Safety has provided the highest standards in the design and manufacture of Respiratory Protection Equipment for over 75 years. Developed after considerable research and investment the new Advanced Carrying System, ACS, is set to become the industry standard carrier for SCBA in the industrial and fire environments. The Sigma ACSm is designed specifically as a Type 1, SCBA set for use in industrial environments.
- **REDUCED USER BURDEN**
At only 2.08kg, the Sigma ACSm is the lightest carrying system in its class. It is significantly lighter than competitor products, increasing comfort, ease of movement and reducing wearer fatigue.
- **LOWER THROUGH LIFE COSTS**
 - Flame retardant webbing and cylinder band.
 - All components are user serviceable, low cost and easy to maintain.
- **EASY DECONTAMINATION**
 - Both the backplate and harness can be washed with your turnout gear.
 - The new material used is approved to maintain its flame retardant qualities when washed following the care and instructions at 30°C.
- **HIGH PERFORMANCE PNEUMATICS**
 - High performance, reliable pneumatics with compact first breath activated demand valve with bypass.
 - No tools are necessary to remove the pneumatics, simply rotate the pneumatics 90 degrees mounting.
- **WIDE RANGE OF FACE MASKS AND CYLINDERS**
 - Wide choice of face masks including Vision 3 and Promask PP ranges.
 - ACSm is approved with a wide range of cylinders.
 - ACSm is approved with a variety of valve styles.



MAJOR COMPONENTS

Compact positive pressure demand valve featuring servo-assisted, tilting diaphragm mechanism with low inspiratory resistance and responsive dynamic performance, automatic first breath activation and hands free bypass facility.

REDUCING VALVE

First stage pressure reducing valve featuring non-adjustable, spring loaded piston mechanism and outlet supply protected by pressure relief valve.

PRESSURE INDICATOR & WARNING WHISTLE

Bourdon tube type dial indicator
Heat and Impact resistant polycarbonate lens

HOSES

Stainless steel swivel hose fittings
Medium pressure hose
Maximum working pressure 16 bar
Minimum burst pressure 80 bar
High pressure hose
Maximum working pressure 450 bar
Minimum burst pressure 800 bar

COMMUNICATIONS

Sabre-Com is a unique radio communications interface that fully integrates with your existing radio and preferred choice of Scott Safety face mask. Sabre-Com is ATEX approved when used with an ATEX approved Radio and approved to EN136 Class 3.

OPTIONS

Scott Safety ACS can be specified in many configurations including Duo, Split Demand Valve Coupling (SDC) and attachments for Airline, which can also be used for Rescue Second Man (RSM) and Decontamination.

PNEUMATIC SYSTEM

At the heart of the ACS set is a simple and reliable two-stage pneumatic system. A first breath activated positive pressure demand valve provides low breathing resistance and excellent dynamic performance - particularly at high flow rates. A first stage pressure reducing valve features only two moving parts and accepts cylinders pressures of up to 300 bar without adjustment.





Scott Safety, a business unit of Tyco International, is a premier manufacturer of innovative respiratory and other personal protective equipment and safety devices for industrial workers, fire and rescue services, police, military and civil defence organisations around the world. The Scott Safety product lines include self-contained breathing apparatus, supplied air and air-purifying respirators, gas detection instruments, thermal imaging cameras, air compressors, accountability systems, head, eye, hearing and face protection.

SPECIFICATIONS & ORDERING INFORMATION

SIGMA ACSm SELF CONTAINED BREATHING APPARATUS

Ordering Information	
Part Number	Description
2018412	Sigma ACSm - backplate, harness and pneumatics
013190	Promask PP Left quick fit first breath response face mask
1118245RAV	Cylinder 6.8L 300 bar carbon fibre RAV (right angle valve)
1127413RAV	Cylinder 9L 300 bar carbon fibre RAV (right angle valve)
COMPLIANCE SET	
SCBACOMP6	Compliance Set Sigma ACSm (includes Sigma ACSm, Promask PP, 6.8L 300 bar carbon fibre cylinder and SCBA bag)

Product Specifications

Weight

Single configuration (less cylinder)

Sigma ACSm 2.08kg

Single configuration & face mask (less cylinder)

Sigma ACSm 2.70kg

Dimensions

Length 565mm

Width 260mm

Depth (with 6.8 litre 300 bar Cylinder) 245mm

Approvals

Certified to AS/NZS 1716:2012

Scott Safety has developed a number of different documents to aid selection of respiratory solutions. Technical Data Sheets are available for each Scott Safety respiratory system. Please contact our Customer Service Department on 131 772, email scott.sales.anz@tycoint.com or visit www.scottsafety.com for further information

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