

# ACSi

*THE FUTURE OF SCBA*



**SCOTT**  
SAFETY

# 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 marine, industrial and fire environments.  
The ACSi is designed specifically as a Class 1, SCBA set for use in industrial environments.
- **REDUCED USER BURDEN**  
At only 2.15kg, ACSi 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 back plate 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 FACEMASKS AND CYLINDERS**
  - Wide choice of facemasks including Vision 3 and Promask PP ranges.
  - ACSi is approved with a wide range of cylinders.
  - ACSi is approved with a variety of valve styles.

Adjustable padded shoulder straps

Polyester webbing with wrap-around harnesses

Lightweight ThermoFlex backplate for greater comfort, flexibility and reduced wearer fatigue

Padded waistband featuring large buckles for easy operation with gloved hands and fast donning and doffing

Ergonomically moulded to fit spine and back muscles, designed in conjunction with an osteopath



## MAJOR COMPONENTS

Compact positive pressure demand valve featuring servo-assisted, tilting diaphragm mechanism with low inspiratory resistance and responsive dynamic performance, automatic first breath actuation 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 facemask. Sabre-Com is intrinsically safe and approved to EN136 Class 3.

## OPTIONS

Scott 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.





Approved to EN137: 2006 Class I, ACSi is refined to a unequalled level of performance and user comfort, suitable for industrial applications.

## SPECIFICATIONS & ORDERING INFORMATION

### ACSi SELF CONTAINED BREATHING APPARATUS

#### Product Specifications

##### Weight

Single configuration (less cylinder)  
ACSi 2.15kg

Single configuration & Facemask (less cylinder)  
ACSi 2.77kg

##### Dimensions

Length 565mm  
Width 260mm  
Depth (with 6.8 litre 300 bar Cylinder) 245mm

ACSi		
Part Number	Description	Application
ACSi	EN137 Approved, Flame Retardant Class I	Industrial

#### Approvals:

EN137:2006 Class I apparatus, Australian Standard AS1716, MED (Shipwheel Approved)



Scott Safety is a global business unit of Tyco International that supplies a variety of industries through manufacturing facilities located in the United States, United Kingdom, Asia, Finland and Australia.  
Pimbo Road • Skelmersdale • Lancashire • England • WN8 9RA Telephone: +44 (0) 1695 711711 • Fax: +44 (0) 1695 711772  
www.scottsafety.com • scott.sales.uk@tycointl.com