

# ACsf/fx

THE FUTURE OF 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.



- For over 75 years Scott Safety's innovative engineering and customer led product evolution has enabled their range of Breathing Apparatus to adapt, respond and predict the ever changing needs of professional fire services.  
Today over one million firefighters worldwide trust in its high performance, rugged dependability and cutting edge technology. Backed by dedicated customer support, Scott Safety's SCBA is the firefighters preferred choice.  
Approved to EN137: 2006 Class II, incorporating the stringent Flame Engulfment Test, ACSf and ACSfx are refined to a unequalled level of performance and user comfort for the professional firefighter.
- **REDUCED USER BURDEN**
  - ACS is the lightest carrying system in its class. It is significantly lighter than competitor products, increasing comfort, ease of movement and reducing firefighter fatigue.
- **LOWER THROUGH LIFE COSTS / EASY UPGRADE PATH**
  - All components are user serviceable, low cost and easy to maintain.
  - All elements of the set are designed to allow future upgrade with minimal cost.
- **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.
- **RANGE OF SPECIFICATIONS**
  - ACSf is a Class II, high performance Breathing Apparatus set with an extensive range of benefits for the modern firefighter.
  - ACSfx provides all the features of the ACSf but also has an adjustable waist belt that can be adjusted to suit the height of the wearer.
- **HIGH PERFORMANCE PNEUMATICS**
  - Supplies exceptionally high airflow, simple to maintain and fully user serviceable.
  - No tools are necessary to remove the pneumatics, simply rotate the pneumatics 90 degrees mounting.
- **WIDE RANGE OF SPECIFICATIONS**
  - Wide choice of facemasks including Vision 3 and Promask PP ranges.
  - ACSf and ACSfx are approved with a wide range of cylinders.
  - ACSf and ACSfx are approved with a variety of valve styles.



Adjustable padded shoulder straps

Rapid connect cylinder band allows adjustment or change out of cylinder in seconds

Quick pull forward action allows easy in-transit adjustment of shoulder straps

50% Kevlar Pyrogard blend webbing with wrap-around harnesses

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

Reflective thread for extra visibility

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

Swivelling waistbelt

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

Extendable backplate (ACSfx only)



## 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.





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## SPECIFICATIONS & ORDERING INFORMATION

### ACSf/fx SELF CONTAINED BREATHING APPARATUS

#### Product Specifications

##### Weight

Single configuration (less cylinder)  
ACSf 3.08kg ACSfx 3.10kg

Single configuration & Facemask (less cylinder)  
ACSf 3.70kg ACSfx 3.72kg

Duo configuration with manifold  
and facemask (less cylinder)  
ACSf 4.22kg ACSfx 4.24kg

##### Dimensions

Length 565mm (ACSfx extends up to 610mm)  
Width 260mm  
Depth (with 6.8 litre 300 bar Cylinder) 245mm

ACS		
Part Number	Description	Application
ACSf	EN137 Approved, Class II	Fire
ACSfx	EN137 Approved, Class II, Extendable length	Fire

#### Approvals:

ACSf/fx EN137:2006 Class II Fire Fighting sets, ACSi EN137:2006 Class I apparatus, Australian Standard AS1716



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.

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