



**SCOTT**<sup>TM</sup>  
Fire & Safety

# 3M<sup>TM</sup> Scott<sup>TM</sup> ACSi

NIOSH-Approved  
Self-Contained  
Breathing Apparatus



# Comfortable. Lightweight. Reliable.

The 3M™ Scott™ ACSi SCBA for non-fire related industrial applications.



The 3M™ Scott™ ACSi SCBA is a NIOSH-approved self-contained breathing apparatus (SCBA) designed for use in non-fire-related, industrial environments.

Engineered to high standards of performance, the Advanced Carry System (ACS) backframe and harness assembly provides a lightweight, flexible carry system for enhanced comfort. With reliable pneumatics, easy to clean harness and simplified features, the ACSi SCBA is a must have for your industrial SCBA needs.

## Comfort and Ergonomics

Traditional SCBA carrying systems can generate strain and fatigue. The ACSi SCBA features padded lumbar support and padded, adjustable waistbelt and shoulder straps. The result is a lightweight carry system designed to improve worker comfort. User comfort helps reduce fatigue and improve worker safety.

## Top Down Convertibility

The ACSi SCBA utilizes approved AV-series facepieces which allow for an increase in versatility and compatibility with the 3M Scott product line. This design concept enables a user to be trained and fit-tested on a single facepiece to be used for SCBA, supplied air respirator or air-purifying respiratory protection. Top Down Convertibility simplifies training, minimizes equipment inventories and reduces cost associated with fit-testing multiple facepiece for each employee.

## Engineered for Reliability and Ease-of-Use

At its core, the ACSi SCBA is everything you'd expect from 3M Scott: equipment engineered for performance and reliability. This is central to our product design philosophy. That's why the ACSi SCBA incorporates a reliable two-stage pneumatic system that features a first stage pressure reducer coupled with the 3M™ Scott™ E-Z Flo mask-mounted regulator. The E-Z Flo regulator provides a positive locking mechanism for quick donning and an air-saver switch which allows the ACSi SCBA to be put in standby mode when connected to an activated cylinder.

## Easy to Clean

The ACSi SCBA features an easy-to-clean, washable backplate and harness. Removal of the pneumatics requires a simple quarter turn of the high pressure reducer. No tools are needed to disengage the pneumatics from the backplate and harness. This helps facilitate quick, easy turnaround and easy decon.

In addition, the E-Z Flo regulator is available with the option of Modulair quick disconnect for removal of the regulator for ease of cleaning, disinfecting and repair. The E-Z Flo regulator with Modulair option can be used with other industrial-style 3M Scott respirators, like the 3M™ Scott™ Ska-Pak Plus Supplied-Air Respirator and 3M™ Scott™ E-Z Airline Supplied Air Respirator, simplifying and reducing training and maintenance costs across the supplied air respirator product family.

Adjustable, padded shoulder straps

Lightweight, flexible backplate designed to enhance comfort, flexibility and reduce wearer fatigue

AV-facepieces are easy to maintain with no exhalation valve to clean or manipulate

Shoulder-mounted photoluminescent gauge with whistle end of service time indicator (EOSTI) alarm

Padded lumbar support designed to improve comfort

Adjustable, padded waistband with quick-release buckle



Dual mechanical speaking diaphragms help improve voice transmission around the wearer

**3M™ Scott™ E-Z Flo**

- Helps reduce inhalation and exhalation resistance and minimize user fatigue
- Simple quarter turn to don
- Audible click when locked in place
- Two step secure detachment
- Flat gasket seal helps prevent dislodging and potential leakage
- Optional Modulair (quick disconnect) for easy removal from the SCBA

**Simple to maintain with quick and easy turnaround**

Easily remove pneumatics from backplate with a simple quarter turn of the high pressure reducer - no tools required.



**End-of-Service Time Indicator (EOSTI) Alarm**

- The audible whistle alarm mounted on the pressure gauge alerts the user of low air supply when the cylinder air supply reaches 25% of its rated service duration. Additionally, the 3M™ Scott™ ACSi SCBA features an easily visible, over-the-shoulder luminescent pressure gauge to indicate cylinder air pressure.

**Features to help reduce costs**

- The ACSi SCBA carries a five-year warranty. Straight forward maintenance with easy to remove pneumatics, no required overhauls, and facepiece versatility help to lower the cost of ownership.



The Scott ACSi SCBA features a unique cylinder valve assembly, designed to position the cylinder hand-wheel for ease of reaching, while also providing:

- Lower profile
- Reduced snag hazard

# Ordering Information

SCBA Model	Harness	Pressure (psig)	Cylinder ①	Regulator	Manifold	Airline Options	Facepiece ②	Console	Case	Packaging
3 ACSi SCBA	A ACSi Standard	2 2216	00 None	3 EZ-Flo Standard	0 Standard	0 None	0 None	1 Gauge	0 None	1 One Per Box
		4 4500	01 2216 psi Aluminum, 30 min	4 EZ-Flo Modulair		1 Hansen	3 AV-3000 SureSeal, Kevlar® (M)		1 Hard Case	
			02 2216 psi Carbon, 30 min			2 Schrader	6 AV-3000 SureSeal, Polyester (M)		2 Soft Case	
			04 4500 psi Carbon, 30 min			3 Cejn	9 AV-3000 SureSeal, Rubber (M)			
			05 4500 psi Carbon, 45 min			4 Hansen HK Plug				
			06 4500 psi Carbon, 60 min			5 Hansen HK Socket				
			Drained							
			AA 2216 psi Aluminum, 30 min							
			BB 2216 psi Carbon, 30 min							
			DD 4500 psi Carbon, 30 min							
			EE 4500 psi Carbon, 45 min							
			FF 4500 psi Carbon, 60 min							

**Part Number:**  
Select a one or two digit number per box from the chart above that corresponds to your choice.

ACS	3	A	X	XX	X	0	X	X	1	X	1
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- ① Selecting a cylinder with ACSi SCBA will ship a cylinder with the unique ACS designated valve assembly.
- ② If you prefer an alternate 3M Scott facepiece style, head harness, or size, choose "none" and order an approved facepiece as a separate line item.

## 3M™ Scott™ ACSi SCBA Components and Accessories



**AV-Series Facepieces**  
Scott AV-3000 Series Facepieces are interchangeable with 3M Scott's NIOSH-approved SCBA, supplied air respirators and air-purifying respirators as well as 3M Bayonet cartridges and filters.



**3M™ Scott™ Mobile Air Carts**  
The 3M™ Scott™ Mobile Air Cart is a compact portable air source that accommodates two cylinders, helping to provide an uninterrupted supply of breathing air for multiple users for several hours. It also has a high-pressure inlet source that allows the use of a compressor or cascade system as the primary air source.



**Option for extended duration airline connection**  
This connection enables the SCBA to accept an airline connection from an external air source, such as a cascade system, mobile air cart or existing plant air. This allows the external source to function as the primary air supply, thus conserving cylinder air for back-up or emergency escape situations.



3M™ Scott™ ACSi SCBA Cylinder and Valve Assemblies (with ACS Valve)			
Description	Rated Duration	Pressure	Part Number
Aluminum	30-minute	2216 psig	200874-01
Carbon	30-minute	2216 psig	200873-01
Carbon	30-minute	4500 psig	200870-01
Carbon	45-minute	4500 psig	200871-01
Carbon	60-minute	4500 psig	200872-01



These respirators help to protect against certain airborne contaminants. Before use, the wearer must read and understand the User Instructions provided as part of the product packaging. A written respiratory protection program must be implemented meeting all requirements of OSHA 1910.134 including training, fit testing and medical evaluation. In Canada, CSA standards Z94.4 requirements must be met and/or requirements of applicable jurisdiction, as appropriate. Improper use may result in sickness or death. For correct use, see supervisor and User Instructions, or call 3M PSD Technical Service in USA at 1-800-243-4630 and in Canada at 1-800-267-4414.



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3M PSD products are for occupational use only.  
1-800-247-7257  
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3M.ca/ScottSafety (Canada)

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