

# SCOTT AIR-PAK® SCBA

FIREFIGHTER RESPIRATORY PROTECTION SYSTEM



**SCOTT**  
HEALTH & SAFETY



# THE FUTURE HAS ARR

IN THE NEXT GENERATION AIR-PAK® SCBA

## The Tradition Continues

With an unmatched record of reliable performance and rugged dependability, Scott Air-Pak® SCBA's have earned the confidence and respect of a majority of SCBA users. The Scott Air-Pak Fifty™ SCBA was introduced as "the next generation SCBA" on the 50th Anniversary of the first Air-Pak SCBA. Scott, always dedicated to continuing its leadership in SCBA technology, took the next step in 2003, with the Air-Pak NxG2™ SCBA. In 2007, our 75th anniversary year, Scott unveils the future in SCBA technology with our next generation Air-Pak 75 and NxG7 SCBA's. Both of these SCBA's offer the time-tested legendary features you've come to trust from Scott, from Top-Down Convertibility™ to the advanced technology of the AV-3000™ facepiece, and the easy breathing EZ-Flo® Regulator, through HUD integrated electronics, combined with an array of cylinder options and CBRN approval, all coming together to form the best SCBA system in the world. Scott...quality for life.

## See Your Way Clear – The AV-3000 Facepiece

This sleek, low-profile facepiece provides better downward and peripheral vision to improve safety and job performance. A six-point quad-adjustment head harness and optional dual-adjustment spectacle kit, donning and doffing is quick and easy. No 21st-century facepiece is complete without state-of-art communications. The AV-3000 features large, dual voicemitters for clearer communications, and a dual mounting bracket that allows for communication interface on either side of the facepiece.



## Ready When You Are

The air-saver switch, angled for easy operation with a gloved hand, stops the free flow of air during donning and doffing. The user places the SCBA in stand-by mode with an activated cylinder. That means the user can be suited up and ready for action without spending cylinder air.

## HUD Integrated Electronics

A Heads-Up Display (HUD) keeps you informed about your air status. The display conveniently mounts to the EZ-Flo Regulator thereby minimizing the cost associated with issuing heads-up displays with personal facepieces. Unlike many displays by other manufacturers, the Scott HUD is hard-wired and engineered to ensure accurate readings. An unobstructed view through the facepiece, provides a clear LED readout of full, three-quarter, half and one-quarter bottle. The HUD also serves as a redundant low air alarm.



# IVED



## Advanced Safety Features

Firefighters should never go it alone...so, Scott has also designed on-board back-up emergency systems. Scott's redundant safeguards promote an added margin of user safety. In addition to the standard safety features of the Air-Pak SCBA's, Scott has developed a Rapid Intervention Crew/Universal Air Connection (RIC/UAC). Strategically located, and with relief valve and dust cover, the RIC/UAC allows air to be supplied to a down or trapped firefighter by either a Scott RIT-Pak™ II or another compressed air source. Unique to both the Air-Pak NxG7 SCBA and the Air-Pak 75 SCBA is an optional, integrated Pak-Tracker™ Firefighter Locator System for added safety. A stand-alone (non-SCBA integrated) Pak-Tracker System is also available.



## End of Service Indicators

Dual low air alarm package provides the ultimate in firefighter safety. This innovative system provides exceptional security with two end-of-service-indicators. The first component of Scott's redundant low air alarm system is the Vibralert® end of-service-indicator. Vibralert's gentle vibration of the facepiece minimizes the chance the user's alarm will go unnoticed or be confused with another SCBA. The second component of Scott's redundant low air alarm system is the Visualert™ heads-up display.

## Integrated Pass

Representing a dramatic breakthrough in personal protection, Pak-Alert® optional integrated PASS device is a powerful safety tool offering redundant audible and visual alarms. Designed to assist in locating incapacitated or trapped SCBA users, the Pak-Alert device is the first distress alarm featuring automatic activation as soon as the cylinder valve is opened.

## Cylinder Options

The Air-Pak 75 SCBA is available in 2216, 3000, and 4500 psi models while the Air-Pak NxG7 SCBA is available in 2216 or 4500 psi models. Choose from the latest in lightweight composite cylinder materials including carbon fiber, the lightest cylinder available, and aluminum. Cylinders are available in 30-, 45- or 60-minute rated durations. Customized cylinders are available with department logo and/or luminescent cylinder band.



## CBRN Approved

This new generation of Scott Air-Pak SCBA's are CBRN approved. So, now, no matter what the threat...chemical, biological, radiological or nuclear...the Scott Air-Pak SCBA, with the industry leading features and operation that you've come to rely on now also offer maximum protection against weapons of mass destruction.

## AN INDUSTRY FIRST, YOUR CHOICE — STAND- ALONE OR INTEGRATED FIREFIGHTER LOCATOR SYSTEM

The Scott Pak-Tracker™ firefighter location system is designed to locate a trapped or downed first responder within a single or multi-story structure and has location distance of greater than 900 feet (300 meters) line of sight. The Scott Pak-Tracker locator can be ordered as a stand-alone system or SCBA integrated.

## ENHANCED WITH EPIC® COMMUNICATIONS

Scott's EPIC (Enhanced Performance Integrated Communications) Voice Amplifier provides robust person-to-person communications generating strong, clear voice transmission over a 40 mm diameter speaker. Contained in a sleek, streamlined package, the voice amplifier projects the voice in the direction the user is facing. Additionally, an automatic shut-off deactivates the system 20 minutes after the last use to preserve battery life.



# THE LEGEND CONTI

## AIR-PAK®75™ SCBA — HIGH PERFORMANCE

### Lightweight and Comfortable

Firefighting is intense, physically demanding work. That's why Scott offers a lightweight SCBA package promoting comfort and user-friendly convenience. It's an idea that was born, and continues to be refined, by responding to the needs of Scott users.

### Freedom of Movement, Reduced Fatigue

Marked by its streamlined backframe, the Air-Pak 75 SCBA provides a comfortable fit to support users performing physically demanding work assignments. Whether the SCBA user is outfitted in turnout gear or industrial protective clothing, the backframe promotes a lower profile, greater freedom of movement and reduces fatigue.

The one-piece backframe is constructed of a lightweight, time-tested, durable aluminum alloy. It follows the back's contour and places the bulk of the SCBA's weight on the hips, where padded wrap-around wings provide comfortable support. Wide-bodied pads further distribute weight along the shoulders and hips. Harness-mounted, retro-reflective front patches enhance nighttime visibility of the user.

### Faster, Easier Cylinder Changes

An enhanced latching system with durable para-aramid fabric band allow for quick and efficient cylinder changes. Simple adjustment of a cam-over center slide permits the accommodation of 30-, 45- or 60- minute duration cylinders.



*Donning/doffing and carrying handles*



# NUES

## PROTECTION YOU CAN COUNT ON



### Quick Take-up and Quick Release

Parachute-style or optional alligator clip harness fasteners permit smooth, efficient adjustment. While securely retaining the shoulder straps, the fasteners minimize harness wear and tear, even with frequent use. Quick doffing is assured because the over-sized fasteners are easily manipulated with gloved hands. A one-finger release disengages the waist belt buckle.

### Scott's Unique Pressure Reducer

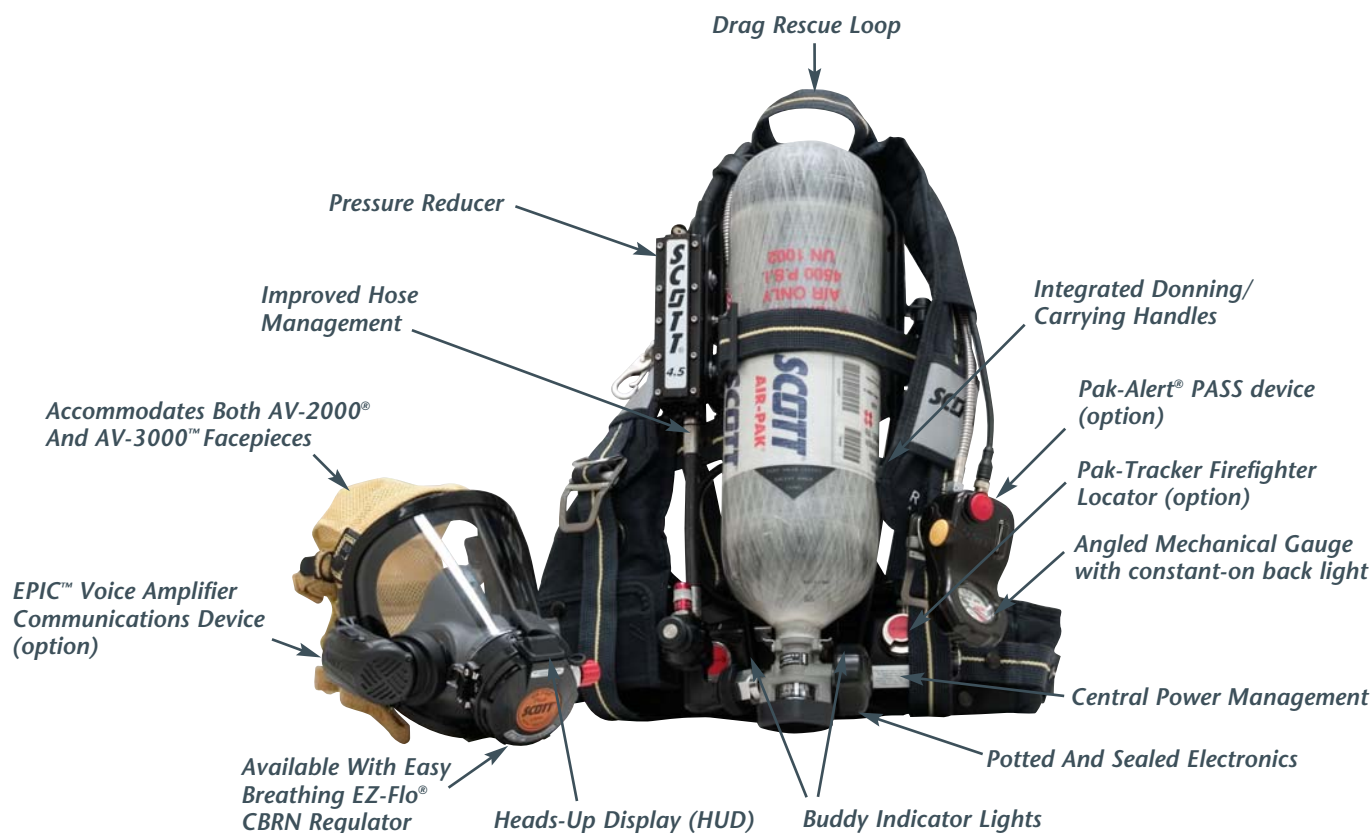
Unlike all other SCBA, Scott actually provides two pressure reducers in one. Situated in a compact housing, the pressure reducers are interconnected through an automatic transfer valve. A reduction in primary pressure, for whatever reason, would trigger an automatic transfer to the secondary circuit. This could occur, for example, by dirt accidentally entering the air circuit during a cylinder change. The user would be alerted to the transfer by the Vibralert® alarm. This would enable the user to focus attention on safely exiting the hazardous area. At the same time, an uninterrupted supply of air would be provided through the secondary circuit. Back-up safety features include a dual path pressure reducer that ensures a constant flow of air and a simplified central battery management system consisting of six standard "AA" batteries located in the housing.



Control console

### Control Console

The control console contains a constant-on edge lit light for the pressure gauge that automatically comes on when the cylinder valve is opened. It also incorporates a photo sensing diode which automatically dims and brightens the HUD (Heads-Up-Display) as environmental conditions change.





# BEYOND THE STAND

AIR-PAK® NXG7™ SCBA — FROM THE LEADER

## Snap Change™ Cylinder Connection

The patented Snap Change™ quick cylinder change out eliminates the high-pressure hose and CGA coupling. This makes cylinder change out a snap. When a cylinder is snapped into the pressure reducer, the flashing blue LED lights are activated and to alert the user of positive cylinder retention. The Air-Pak® NxG7™ SCBA hip mounted pressure reducer has two glove-friendly rings on either side of the engagement snout. When the handles are pulled simultaneously, the lights flash red signaling disengagement and cylinder pop out.



*Engaged*

*Disengaged*

Other cylinders can be upgraded or retrofitted by simply changing out the cylinder valves. To perform mutual aid, the Air-Pak NxG7 SCBA cylinder valve comes with a CGA male checked valve that allows utilization of a mutual aid air wagon or compressor to fill the cylinder without ever opening the valve hand wheel. The Air-Pak NxG7 SCBA also features a hip mounted Rapid Intervention Connection (RIC) for quick charging of a downed or trapped firefighter.

## Lightweight Alloy Backframe

Firefighters have a rugged job that often involves falling against hot masonry walls, being knocked down on concrete floors, sliding through breached walls, or crawling through confined spaces. The lightweight, one-piece aluminum alloy backframe is designed to provide a compact, sturdy and durable housing system for the Air-Pak NxG7 SCBA's sealed electronics and pressure reducer, and at the same time, be comfortable and promote work efficiency and safety. The frame is contoured to fit the wearer's back, and place the bulk of the SCBA's weight on the hips. This configuration considerably reduces shoulder fatigue, and gives the wearer greater freedom of movement.

## Hi-Tech Harness System

The Air-Pak NxG7 SCBA harness system is constructed of durable braided para-aramid webbing. The rugged strength of this material eliminates the need for interior steel cables required in competing systems. This remarkably comfortable harness is woven directly through retaining slots in the backframe. Bolts and screws have been eliminated, so tools are never required. Hip and shoulder pads, as well as straps, can be replaced or cleaned by simply unsnapping the dot fasteners. The harness also features an improved hose management system and quick take-up and release. Parachute-style or optional alligator clip fasteners afford efficient adjustment. Doffing is quick and easy because fasteners are over-sized and easily manipulated even with gloved hands. A one-finger release disengages the waist belt buckle.



# ARDS

## IN RESPIRATORY PROTECTION

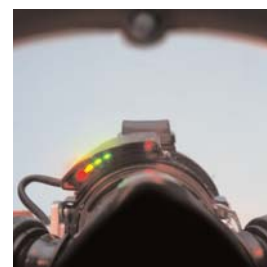


### Space-Age Advancements

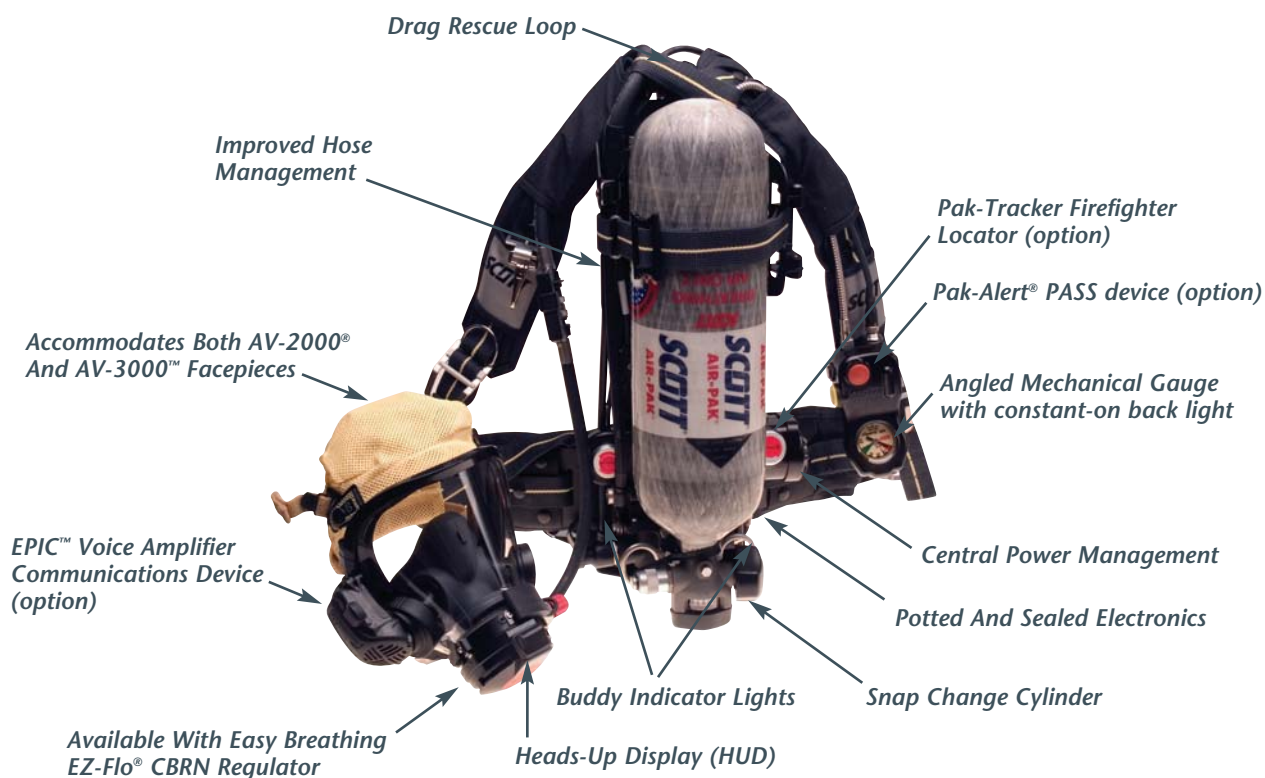
- **Battery Power Management** – One central battery module powers electronics system and eliminates time consuming battery checks and changes. Battery replacement is achieved by unsnapping the battery cover and simply slipping out the sleeve and replacing the 6 standard “AA” batteries. Based on a 25% usage rate, batteries in the Air-Pak NxG7 SCBA will provide extended run time.
- **Snap Change™ Cylinder** – Scott’s patented Snap Change quick cylinder change out eliminates the high-pressure hose and CGA coupling to make change out quick, simple and easy.
- **Hip-Mounted Reducer** – On the job-friendly, hip-mounted redundant pressure reducer makes working in the Air-Pak NxG7 SCBA easier.
- **Buddy System Indicators** – Buddy system indicator lights (LEDs) and sounders are protected and mounted on the backframe, and indicate to fellow firefighters both your PASS status and the status of your available air and cylinder engagement. The indicators are green and quiet when the PASS is monitoring normal movement, but alarm when the wearer is motionless for more than 20 seconds.
- **Superior Comfort** – By building on the Air-Pak® SCBA’s concept of resting the weight of the SCBA on the hips, the Air-Pak NxG7 SCBA provides superior working comfort to firefighters.
- **Pad and Strap Replacement** – By providing for separate pad and strap replacement, maintenance and cleaning of these elements can be achieved with tool-free snap out ease.
- **Buddy-Breathing System** – Air-Pak NxG7 SCBA features a combined dual EBSS/Airline hose connection option. This unique buddy breathing system allows users to maneuver up to five feet apart while not exposing the recipient or donor to ambient air during connection. Additionally, users can connect to an external air source allowing for extended durations in a bucket truck or HAZMAT situation.
- **Control Console** – The control console contains a constant-on edge lit light for the pressure gauge that automatically comes on when the cylinder valve is opened. It also incorporates a photo sensing diode which automatically dims and brightens the HUD (Heads-Up-Display) as environmental conditions change.



Dual EBSS/Airline



Heads-Up Display



# ORDERING INFORMATION

## AIR-PAK® 75™ SCBA AND AIR-PAK® NxG7™ SCBA

Air-Pak® 75™ SCBA and Air-Pak® NxG7™ SCBA Ordering Information										
SCBA Model	Harness	Pressure (psgi)	Regulator	EBSS <sup>1</sup>	Wireframe & Air-Pak 75 SCBA		Applicable options for all Air-Pak SCBA models			
					Airline Options <sup>2</sup>		Console	Case	Packaging	
1 Wireframe SCBA	1 Standard	2 2216	03 E-Z Flo+	0 None	0 None	0 None	1 Gauge & HUD Only	0 None	1	1 SCBA per box
2 Air-Pak 75 SCBA	2 Spring Clips	3 3000	04 E-Z Flo+ w/QC	1 Standard	1 Hansen	2 PASS	2	1 Hard Plastic	2	2 SCBAs per Box
		4 4500		2 Dual	2 Schrader	3 Pak-Tracker	2	2 Soft Canvas		
3 Air-Pak NxG7 SCBA	1 Standard	2 2216	07 E-Z Flo II+	0 None	3 Hansen HK					
	2 Spring Clips	4 4500	08 E-Z Flo II+ w/QC	2 Dual	4 Foster					
					5 Cejn					



### Part Number

Select one number per box from the chart above that corresponds to your choice.

1 Standard EBSS requires a Quick Disconnect regulator for Air-Pak 75 SCBA.

2 Airline options not available on Air-Pak NxG7 SCBA or when dual EBSS is installed on Air-Pak 75 SCBA

## AIR-PAK® SCBA ACCESSORIES

### UPGRADE YOUR AIR-PAK 75™ SCBA OR NXG7™ SCBA



#### AV-3000™/ AV-2000® Facepiece

Are fully interchangeable with Scott's full-line of SCBA, air-supplied respirators and air purifying respirators.



#### Pak-Alert SE® Pass Device

Powerful new safety tool offering redundant audible and visual alarms that assist in locating down or trapped firefighters.



#### EPIC™ Voice Amplifier

Streamlined and lightweight, providing robust person-to-person communications with Scott's AV-2000 or AV-3000 facepiece.



#### Aluminum/ Carbon Cylinders

Scott cylinders are built around DOT specifications with working pressures of 2216, 3000, or 4500.



#### Rit-Pak™ II Portable Air Supply

Lightweight and portable, with fast connections for providing air to downed/trapped responders.



#### Pak-Tracker™ Firefighter Locator

Locate a trapped or downed first responder quickly and safely. Available as a stand-alone or SCBA integrated system.



#### Custom Cylinders

Customized cylinders are available with department logo and/or luminescent cylinder band.



#### Buddy-Breathing System

EBSS/Airline affords users mobility while not exposing the recipient or donor to ambient air. Easily connects to external air sources.



#### Pak-Link™

Portable wireless device for retrieving events data logged on the 2007 SCBAs and serves a dual purpose of reprogramming integrated Pak-Tracker Firefighter Locators.

Scott Health & 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.

Monroe Corporate Center • P.O. Box 569 • Monroe, NC 28111  
Telephone: 800.247.7257 • Facsimile: 704.291.8330  
www.scotthealthsafety.com • sh-sale@tycointl.com

H/S 6673 8/07

ISO 9001 Registered. All rights reserved.  
Kevlar is a registered trademark of E.I. Du Pont de Nemours and Company.

Title Sponsor

SCOTT FIREFIGHTER COMBAT

**SCOTT**  
HEALTH & SAFETY