

# NFPA 2013 EDITION SCOTT PRODUCTS

*SCOTT AIR-PAK AND ACCESSORIES*



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SAFETY

# NFPA 1981 AND 1982, 2013 EDITION

When the call comes in, there is one SCBA trusted more than any other by firefighters and emergency responders throughout the world. The Scott Safety Air-Pak is the most trusted, durable and easy-to-use SCBA in the fire service because only Scott Safety uses redundant safety features, has a low cost of ownership and is firefighter-designed and -tested. Plus, the Scott Safety Air-Pak SCBA is the only SCBA to meet the stringent requirements to be labeled "Made in the USA." It is no surprise that for over 80 years, hundreds of thousands of firefighters have relied on the Scott Air-Pak every day.

Building on this tradition, Scott is pleased to introduce a new platform of products designed to meet the requirements established in the 2013 Edition of NFPA 1981 and 1982 Standards.

## 2013 EDITION NFPA 1981/1982 STANDARDS HIGHLIGHTS

- Increased facepiece lens durability requirements through two additional tests to measure facepiece performance against high temperature, flame and radiant heat
- New voice intelligibility requirements will eliminate the subjectivity of the testing and enhance overall intelligibility using new test protocols:
  - Speech Transmissibility Index (STI) for improved repeatability and reproducibility in the test results
  - Mechanical communication performance test protocol
  - Amplified communication performance test protocol
- End-of-Service Time Indicator (EOSTI), or low air alarm, will move from 25% to 33% of the cylinder's operating pressure
- All PASS devices will have a universal sound regardless of the manufacturer
- NFPA committee worked with NIOSH to establish minimum performance and approval requirements for Emergency Breathing Support Systems, which were previously not approved for use



# AV-3000 HT FACEPIECE

Driven to meet the rigorous requirements of the 2013 Edition NFPA 1981/1982 Standards, Scott Safety designed the AV-3000 HT facepiece, a platform enhancement to the Scott Safety Air-Pak, the highly durable, comfortable and most trusted SCBA in the industry. The facepiece is based on the industry-leading AV-3000 facepiece with SureSeal platform, and incorporates next-generation material technology to enhance user experience.

## ● BUILDING ON TRUST

The Scott Safety fire service-proven SureSeal technology is a reverse reflex sealing surface designed for enhanced fit and comfort. The U-shape of the reverse reflex seal maintains a continuous circumferential seal around the user's face, allowing the AV-3000 HT to flex with every move.

## ● THERMAL DURABILITY

The AV-3000 HT meets the facepiece requirements set forth in the 2013 Edition of the NFPA 1981 Standard for high heat and flame and radiant heat by utilizing new lens and bezel materials. These new materials provide enhanced thermal durability and enhanced wearer safety by ensuring the facepiece stays under positive pressure when exposed to the heat and flame loads measured under NFPA 2013.

## ● MAXIMUM VOICE INTELLIGIBILITY

In response to the voice intelligibility tests—one for mechanical communication and one for electronic, or amplified, communications—included in the 2013 Edition Standards, the AV-3000 HT:

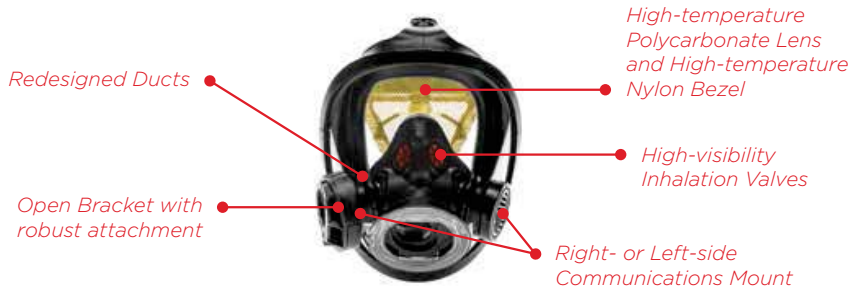
- Exceeds the mechanical measurement requirement with the redesigned location of the ducts, nosecup and voicemitter
- Uses two voicemitters to provide a sphere of intelligibility to those around the respirator wearer, not just the individuals directly in front of the wearer
- Enables right- or left-side mounting for Scott Safety EPIC 3 voice amplifiers, with a robust communications bracket attachment

## ● COMPATIBILITY

Providing an upgrade path for current Air-Pak SCBA users, AV-3000 HT facepiece is approved on all 2002 and 2007 Edition Scott Safety Air-Pak Fifty, AP75, NxG2 and NxG7 respirators. Current 2002 and 2007 users can utilize the AV-3000 HT with either the EPIC or EPIC 3 voice amplification products, or with mechanical communications only.

## ● ADDITIONAL BENEFITS

- High-visibility inhalation valves for easy inspection and added safety
- Designed for Top-Down Convertibility, the AV-3000 HT will allow for a single facepiece to be used for all NFPA/CBRN/NIOSH respiratory applications, reducing fit testing, training and inventory for lower total cost of ownership (approvals pending).



## ONE SOLUTION FOR ANY ENVIRONMENT

Top-Down Convertibility allows you to utilize a single facepiece, with a single fit test, for all respiratory applications. The AV-3000 HT facepiece is designed to be fully interchangeable with Scott's line of SCBA, Supplied Air Respirators and Air-Purifying Respirators, as well as Scott communications products from the highest level of protection to the lowest level of protection. The key is the advanced design of AV-series facepieces, which allow for effortless conversion without the use of tools. This total solution approach reduces fit testing, training and inventory for lower total cost of ownership (approvals pending).



# AIR-PAK 75, 2013 EDITION

The Air-Pak 75 has been the leading SCBA used by first responders and municipal and industrial firefighters since its introduction in 2007. The Scott Air-Pak has been trusted by more firefighters than all other brands combined. The key reasons for its success are:

- **Redundancy of Safety Features** – giving firefighters confidence in their life-saving equipment and allowing them to focus on the critical job at hand.
- **Ease of Use** – provides firefighters a simple-to-use and easy-to-understand SCBA that requires minimal training, increases operational efficiencies and reduces training costs.
- **Low Cost of Ownership** – lower costs after initial sale through its rugged design, assembly and warranty policy enables the department to direct valuable funding to training and other PPE rather than on maintenance costs.

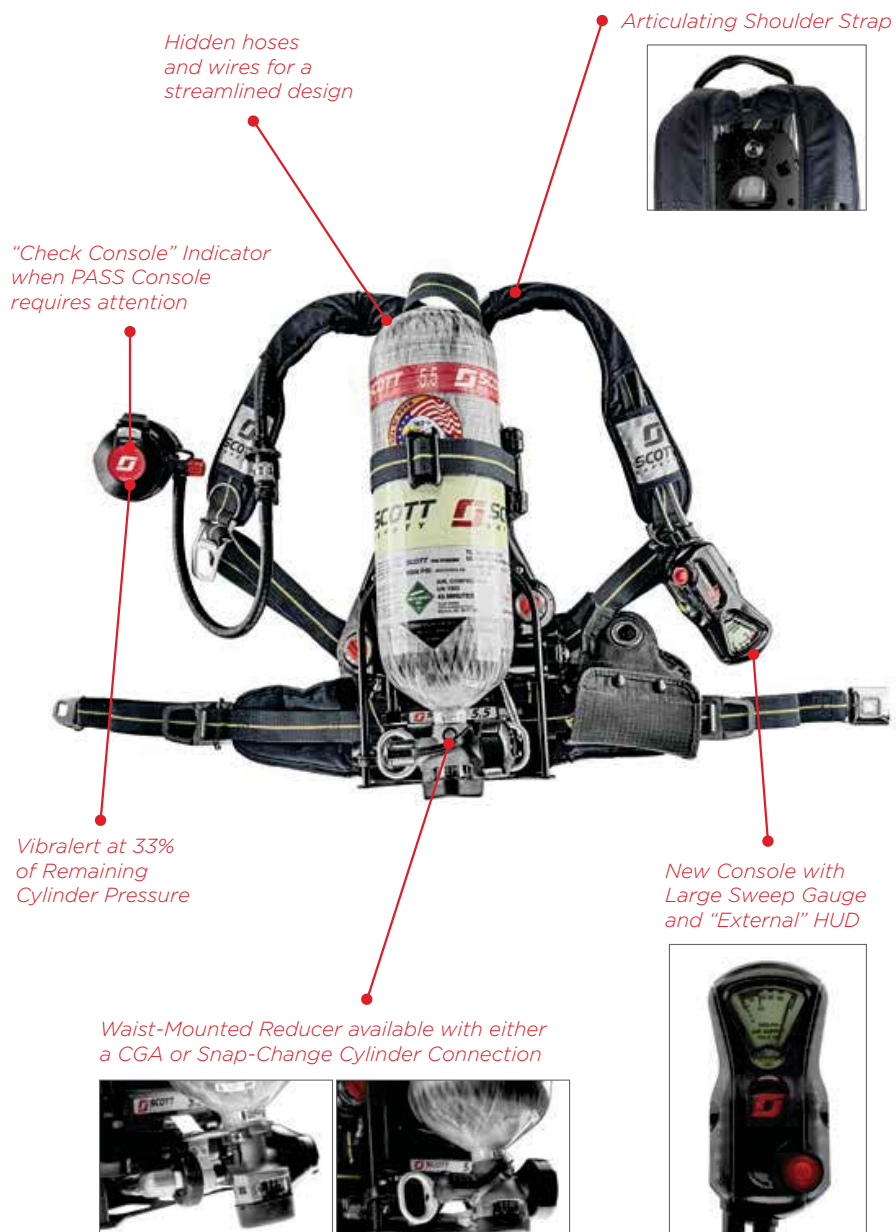
In order to meet the 2013 Edition of the NFPA 1981 and 1982 Standards, the following changes have been implemented:

1. Unit must be used with new AV-3000 HT facepiece
2. A new PASS device equipped with the universal PASS sound (required by NFPA 1982, 2013 Edition)
3. The new 33% End-of-Service Time Indicator (EoSTI) along with a gauge and Heads-Up Display (HUD) that reflects the EoSTI changes



# AIR-PAK X3

The new Air-Pak X3 SCBA platform carries forward many of the features and designs of previous Air-Pak models, including the redundant safety features, ease of use and durability Scott Air-Pak users have grown to trust. The Air-Pak X3 was designed with additional emphasis on enhancements to comfort, hose and wire management, weight distribution, fire ground communications and serviceability.



Every Scott Air-Pak is made in the U.S.A.

What does it mean to be Made in the U.S.A.? According to the Federal Trade Commission (FTC), Made in the U.S.A. means that "all or virtually all" of the product has been made in the United States. That is, all significant parts, processing and labor that go into the product must be of U.S. origin. Products should not contain any—or only negligible—foreign content. In compliance with this official definition, Scott Safety is proud to declare that the Scott Air-Pak 75 and Air-Pak X3 are Made in the U.S.A.

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# EPIC 3 COMMUNICATION SYSTEM

A voice amplifier that exceeds the challenging NFPA 2013 requirements for Speech Transmission Index (STI), the EPIC 3 communication system delivers never-before-heard voice clarity to fireground communications.

Answering the market request for communication and intelligibility improvements, Scott Safety introduces the EPIC 3—the smartest, most durable and safest voice amplification communication system in the market. The EPIC 3 audible and visual operational indications make this system the safest in the market, earning STI scores above .65 and providing louder, clearer and more effective communication than other voice amplifiers in the market. The EPIC 3 best-in-class battery life, at over 50 hours, more than doubles that of the most popular models in the market.

## BEST-IN-CLASS FEATURES AND BENEFITS

- Automatic Shutoff Amplifier reduces costs of battery replacement and improves equipment readiness
- Intrinsically safe for use with commercially available alkaline and NiMH AAA batteries
- Durable, rugged design is robust enough to withstand day-to-day rigors, even in the most extreme applications
- Ribbed, textured surface establishes more secure handling even with wet-gloved hands
- On/Off button with tactile surface and audible on/off tones make it easy to recognize activation with a gloved hand or in a noisy environment
- Angled directional speaker projects an amplified voice in the direction the user is facing
- Upgradeable to include radio interface and talk-around multi-channel functionality
- NFPA- and NIOSH-approved (NFPA approvals 2002 and 2007 with 2013 approvals expected soon)

The EPIC 3 family also includes an optional Bluetooth Radio Interface Voice Amp (RI) that allows a user to talk directly over the radio wirelessly with the Scott EPIC 3 console, and team-talk capability is also available, enabling clear, wireless communications between team members. RI and Talk Around communication functionality will be available in Winter 2013.





# ACCOUNTABILITY



## PAK ALERT PASS DEVICE

Scott Safety offers a suite of accountability products that begin with the Pak Alert PASS device. NFPA 182, 2013-compliant, the Pak Alert monitors and alerts for man-down situations. The 2013 Edition of NFPA 182 requires a standardized sound for man-down situations, so users will notice a difference in the sounds emitted from the latest PASS devices. All Scott Safety Pak Alert PASS devices that are compliant with 2007 or 2013 Editions of NFPA 182 may be upgraded to activate the Pak Tracker locator functionality.



## PAK TRACKER FIREFIGHTER LOCATOR SYSTEMS

To complement the Pak Alert, Scott Safety offers Pak Tracker firefighter locator systems. With time-proven technology, the Pak Tracker will notify remote users of a man-down situation via the HHR (hand-held receiver). The HHR is also a directional receiver that assists with directing rescue teams to the down personnel. The Pak Tracker locator utilizes 2.4 GHz radio transmissions to assist with indicating the best path to the down personnel.



## SEMS II

SEMS II is the latest in SCBA telemetry from Scott Safety. The SEMS II includes all of the Pak Alert PASS and Pak Tracker locator features but also provides a redundant network to provide PASS and low air notifications to command, and sends evacuation requests to interior teams, reducing radio traffic during emergency conditions. The SEMS II utilizes a patented self-healing mesh network and the SEMS II is compatible with the entire Scott Safety accountability suite of products. A High Rise Repeater assists with extending the range of the mesh network as needed in high-rise or long-distance operations.

Scott also has a Graphic User Interface (GUI) that may be viewed by command personnel to monitor personnel on the fire ground.



Responding to the need for smaller, lighter SCBA, Scott Safety created the 5.5 Air-Pak SCBA. By increasing the pressure in the cylinder to 5500 psig, Scott Safety was able to maintain the traditional form, durability and capacity of the standard cylinder while offering an up-to-12% reduction in weight and profile. The 5.5 cylinders are available in 30-minute, 45-minute, 60-minute and 75-minute durations and compatible with the Air-Pak 75 and Air-Pak NxG7 SCBA. To facilitate integration into the fire service, Scott Safety worked with leading manufacturers to ensure the cylinders work with existing seats and brackets already in the market.



# SPECIFICATIONS AND ORDERING INFORMATION

SCBA Belt Type (select one number from both columns between the double lines)												
SCBA Model	Harness	Pressure (psig)	Belt Type <sup>2</sup>	Escape Rope / Anchorage Connector / Descender	Regulator	EBSS	Airline Options <sup>3</sup>	Console	Case <sup>4</sup>	Packaging		
1 Wireframe <sup>1</sup>	1 Standard	2 2216	0 Standard	2 None (No FFSR)	1 Standard Hose	0 None	0 None	1 Gauge & HUD Only	0 None	1 1 SCBA per box		
2 Air-Pak 75	2 Spring clips	4 4500	A EZ-Scape I Rescue Belt	A 50' webbing / Crosby hook / Fire AL2 descender	2 Quick Connect Hose	2 Dual	1 Hansen	2 PASS	1 Hard Plastic	2 2 SCBA per box		
3 Air-Pak X3 with CGA		5 5500		B 75' webbing / Crosby hook / Fire AL2 descender			2 Schrader	3 Pak-Tracker Locator	2 Soft Canvas			
4 Air-Pak 3 with Snap-Change			B EZ-Scape II, small	C 50' T-Safe rope / Crosby hook / F4 descender			3 Hansen HK	4 SEMS II System				
			C EZ-Scape II, medium	D 75' T-Safe rope / Crosby hook / F4 descender			4 Foster					
			D EZ-Scape II, large									
			E EZ-Scape III, small									
			F EZ-Scape III, medium									
			G EZ-Scape III, large									
			H EZ-Scape IV, small									
			J EZ-Scape IV, medium									
			K EZ-Scape IV, large									

X3

X

X

X

X

X

X

X

X

0

X

X

X

<sup>1</sup> Wireframe requires the use of the spring clip harness

<sup>2</sup> EZ-Scape available on AP75 and Wireframe SCBA only

<sup>3</sup> Airline option not available on Air-Pak X3 SCBA or when dual EBSS is installed on Air-Pak 75 and Wireframe SCBA

<sup>4</sup> When ordering a case (soft or hard plastic) with any Air-Pak SCBA, you must choose one per box

## AV-3000 HT ORDERING INFORMATION

PART NUMBER	DESCRIPTION
201215-01	AV-3000 HT, small, Kevlar
201215-02	AV-3000 HT, medium, Kevlar
201215-03	AV-3000 HT, large, Kevlar
201215-04	AV-3000 HT, small, Kevlar with right bracket
201215-05	AV-3000 HT, medium, Kevlar with right bracket
201215-06	AV-3000 HT, large, Kevlar with right bracket
201215-07	AV-3000 HT, small, Kevlar with left bracket
201215-08	AV-3000 HT, medium, Kevlar with left bracket
201215-09	AV-3000 HT, large, Kevlar with left bracket

Open bracket designed to connect the EPIC 3 Communication System to the AV-3000 HT facepiece to meet NFPA 1981: 2013 Edition requirements

## EPIC 3 ORDERING INFORMATION

PART NUMBER	DESCRIPTION
201275-01	EPIC 3 Voice Amplifier (Individually packaged)
201275-0125	EPIC 3 Voice Amplifier (Package of 25)

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