

# NFPA 2013 EDITION SCOTT PRODUCTS

*SCOTT AIR-PAK AND ACCESSORIES*



# 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 proudly offers a new platform of products which 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 to 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, has moved from 25% to 33% of the cylinder's operating pressure
- All PASS devices 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 and meet the stringent NFPA 2013 Edition Standards.

## ● 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.



# 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 brands of SCBA 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 were 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





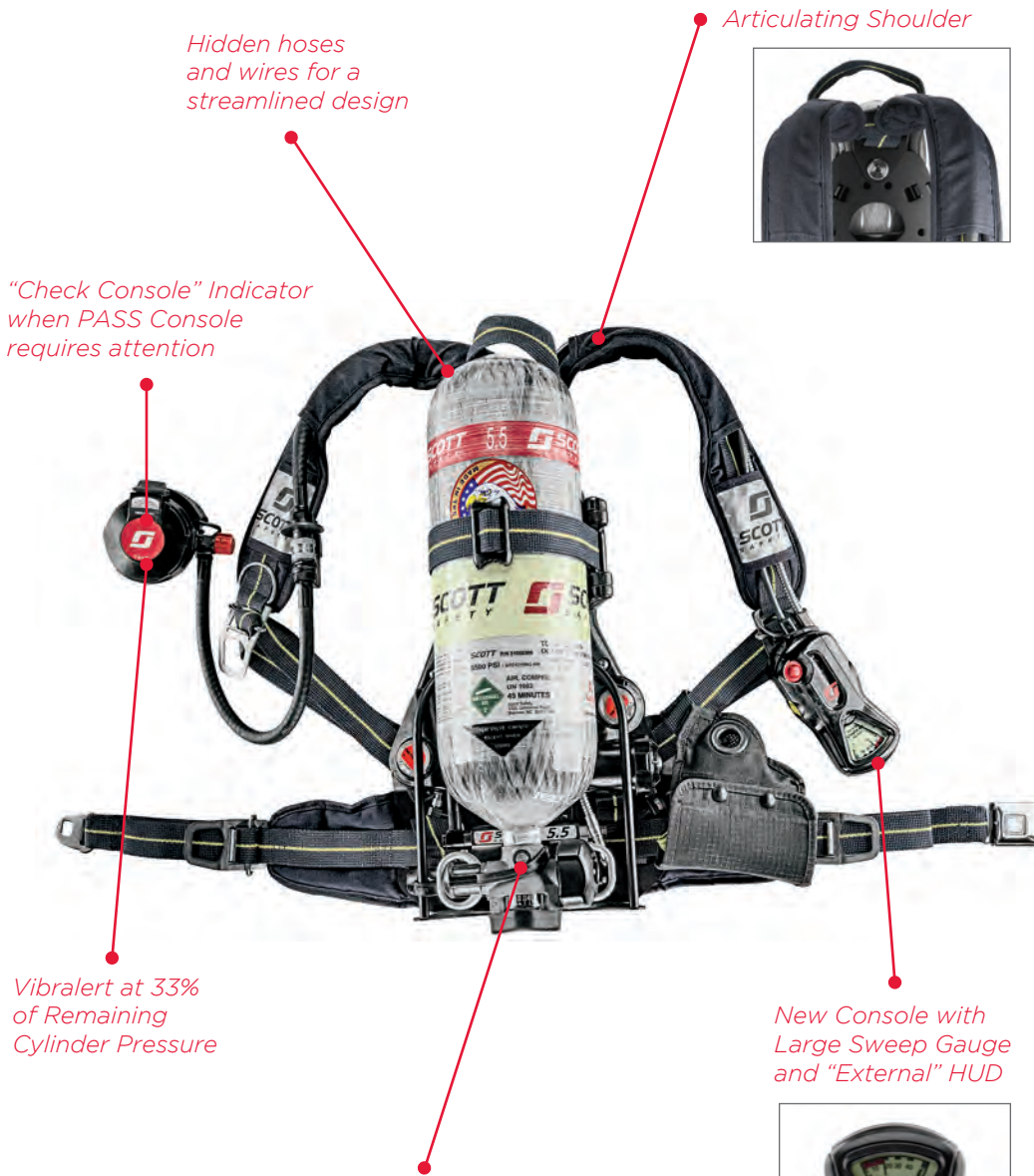
# AIR-PAK X3

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.



*Hidden hoses and wires for a streamlined design*

*Articulating Shoulder*



*“Check Console” Indicator when PASS Console requires attention*



*Vibralert at 33% of Remaining Cylinder Pressure*

*New Console with Large Sweep Gauge and “External” HUD*



*Waist-Mounted Reducer available with either a CGA or Snap-Change Cylinder Connection*





# EPIC 3 RI VOICE COMMUNICATION SYSTEM

## **Voice Clarity and Field Radio Interoperability with Bluetooth® Technology**

Communicate clearly and effectively on the fireground and easily switch from non-tactical to tactical communications with the EPIC 3 Radio Interface (RI) Voice Communication System. We developed the EPIC 3 RI system to address the changing communication needs of firefighters and emergency personnel. The lack of clear fire scene voice communications is a leading concern for fireground situational awareness and safety. Working closely with first responders around the world, Scott Safety developed the EPIC 3 RI Voice Communication System — voice amplifiers, lapel speaker microphones, specialized accessories, and programming utilities — to meet the demanding needs and conditions while complimenting the performance and safety benefits of Scott Safety SCBA and personal protective equipment (PPE).

## **BEST-IN-CLASS FEATURES AND BENEFITS**

- Enhances SCBA facepiece voice communication intelligibility and loudness
- Advances safety through easy-to-use wireless communication interoperability with mobile field radios
- Provides easy transition from non-tactical to tactical communication modes
- Ensures operational compatibility with both legacy and new Scott SCBA and PPE
- Consolidates device functionality to reduce technology costs
- Improves user communications from the incident scene to remote locations

## **Future-Proof Your Equipment**

Upgrade capabilities and system compatibility with new and existing equipment make the EPIC 3 RI Voice Communication System virtually future-proof so you can maximize your investment. The EPIC 3 RI System delivers multi-purpose communications utility and system compatibility with new and existing equipment.

Specialized communication accessories can also be used with the Lapel Speaker Mic, allowing you to further customize the EPIC 3 RI system to meet your specific requirements.

Supports connectivity and use with EPIC 3 communication accessories such as remote PTT Paddle, remote ring PTT switch, command headset, throat microphone and earpiece, and other future accessories.

*AV-3000 HT Facepiece with EPIC 3 RI Voice Amplifier*



*EPIC 3 RI Bluetooth Lapel Speaker Microphone*



**PATENTED CYLINDER TECHNOLOGY**



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 a significant 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 X3 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.

# ACCOUNTABILITY



## PAK-ALERT PASS DEVICE

Compliant to NFPA 1982, 2013 edition, the Scott Safety Pak-Alert integrated PASS device monitors and alerts for man-down situations, utilizing the new universal sound required by NFPA 1982, 2013 edition.. All Pak-Alert PASS devices that are compliant with 2007 or 2013 Editions of NFPA 1982 may be upgraded to enable Pak-Tracker locator functionality.



## PAK-TRACKER FIREFIGHTER LOCATOR SYSTEMS

To complement the Pak-Alert, Scott Safety offers the Pak-Tracker firefighter locator system. The Pak-Tracker enabled SCBA 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.



## SEMS II & BLUETOOTH® ENHANCED TELEMETRY

SEMS II includes all of the Pak-Alert PASS and Pak-Tracker locator features but also provides a robust and reliable radio-frequency network to provide PASS and air level status to incident command, and sends evacuation requests to interior teams, reducing radio traffic during emergency conditions. SEMS II utilizes a patented self-healing mesh network, whereby each operating SEMS II enabled Air-Pak SCBA acts as a repeater to help extend the range of the network.

Scott Safety Bluetooth® Enhanced Telemetry is a feature available on the Scott Safety Air-Pak X3 SCBA that can be used in conjunction with specific Motorola® APX radios to communicate PASS and air status information to incident command in scenarios where SEMS II radio connectivity may be limited due to building construction or other environmental conditions.

SEMS II and Bluetooth Enhanced Telemetry are designed to integrate seamlessly with the Scott Safety Imperium ICS for Windows solution to provide critical telemetry information to incident command.



# SELF-RESCUE



## EZ-SCAPE PRO™

Based on feedback from firefighters, Scott Safety developed the EZ-Scape Pro™ Integrated Self-Rescue Belt to improve performance and provide greater versatility on the fireground. The belt is lighter, quicker to deploy, and is equipped with an NFPA 1983 attachment point. Offered in a one-size-fits-most configuration, the belt integrates seamlessly with the Scott Air-Pak X3 SCBA and provides a double-pull adjustment in a stronger, more versatile, and more comfortable configuration than the existing OEM waist belt.

New features include a quick release buckle, one of the strongest load-bearing buckles available, the Lightning GT hook for reduced weight, and a belt-only option for maximum flexibility. A multi-use strap may be used for a variety of different applications, including as a ladder belt, positioning point, escape anchor, one-leg harness, and for RIT operation.



## NFPA 2013 UPGRADE KITS

Upgrade legacy model Air-Pak SCBA to the most current edition of the NFPA 1981 and 1982 standards with the new Air-Pak SCBA NFPA 2013 Compliant Upgrade Kit. The kit provides a lower cost alternative to purchasing new SCBA, allowing fire departments to maximize the service life of existing equipment (i.e. cylinders) without the burden of a full fleet replacement. A **new 10-year warranty** provides peace of mind, knowing that out-of-pocket maintenance costs are kept to a minimum.



Customers can also choose to take advantage of innovative technology enhancements, including the Pak-Tracker™ Firefighter Locator System or SEMS II Air Management System with Imperium Incident Command Suite. Upgrading the operating pressure of the Air-Pak SCBA to 5500 psig is also an option, allowing customers to realize the maximum benefits from this Scott Safety “industry first.”

Upgrade kits are offered for both the NFPA 1981, 2002 edition and NFPA 1981, 2007 edition Air-Pak SCBA.

# ORDERING INFORMATION

## SCBA CONFIGURATOR

SCBA Model	Harness	Pressure (psig)	SCBA Belt Type (select one number from both columns between the double lines)		Escape Rope / Anchorage Connector / Descender	Regulator	EBSS	Wireframe & Air-Pak 75 SCBA		Applicable options for all Air-Pak SCBA models		
			Belt Type <sup>2</sup>					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 FFSSR)	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 EZ-Scape I Rescue Belt	B 75' webbing / Crosby hook / Fire AL2 descender			2 Schrader	3 Pak-Tracker Locator	2 Soft Canvas			
4 Air-Pak X3 with Snap-Change			E EZ-Scape II, small	E 50' T-Safe rope / Crosby hook / F4 descender			3 Hansen HK	4 SEMS II System				
5 Wireframe less pads <sup>5</sup>			C EZ-Scape II, medium	L 50' T-Safe rope/Lightning GT hook/F4 descender			4 Foster	7 SEMS II/Bluetooth				
			D EZ-Scape II, large									
			P EZ-Scape Pro, Jettison									
			N EZ-Scape Pro, Fixed									
			S EZ-Scape Pro, Fixed (AP75)									

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 I/II available on AP75 and Wireframe SCBA only; EZ-Scape Pro available on AP75 or X3 SCBA as either a belt-only configuration or full escape system
- <sup>3</sup> Lightning GT hook option only available on EZ-Scape Pro
- <sup>4</sup> Airline option not available on Air-Pak X3 SCBA or when dual EBSS is installed on Air-Pak 75 and Wireframe SCBA
- <sup>5</sup> SEMS II / Bluetooth available only with Air-Pak X3 SCBA
- <sup>6</sup> When ordering a case (soft or hard plastic) with any Air-Pak SCBA, you must choose one per box

## NFPA 2013 UPGRADE KITS CONFIGURATOR

From the columns below, please choose the configuration of your current Air-Pak SCBA when configuring your upgrade kit				From the columns below, please choose the configuration to which you wish to upgrade your Air-Pak SCBA when configuring your upgrade kit								
Current Certification <i>Price includes a new regulator</i>	List Price	*SCBA Style	Pressure Rating	Regulator Hose	Regulator	Console / Gauge <i>Price includes the HUD for all configurations</i>	Console					
1 NFPA 1981 - 2002		1 Wireframe SCBA	2 2216	1 Standard Hose	1 Standard Hose	1 Gauge & HUD Only	0 None					
2 NFPA 1981 - 2002 (CBRN)		2 Air-Pak 50 SCBA	3 4500	2 Quick Disconnect Hose	2 Quick Connect Hose	2 PASS	1 Wireframe SCBA					
3 NFPA 1981 - 2007 (CBRN)		3 Air-Pak 75 SCBA - w/o Adjustable Seats	4 5500			3 PASS w/Pak-Tracker	2 Air-Pak 50 / Air-Pak 75 SCBA					
		4 Air-Pak 75 SCBA - w/ Adjustable Seats				4 PASS w/SEMS II	3 Air-Pak NxG2 / Air-Pak NxG7 SCBA					
		5 Air-Pak NxG2 SCBA					4 Air-Pak NxG2 SCBA - Reducer P/N 200060 or 200061					
		6 Air-Pak NxG7 SCBA - w/o Adjustable Seats										
		7 Air-Pak NxG7 SCBA - w/ Adjustable Seats										

13UG	X	X	X	X	X	X
------	---	---	---	---	---	---

- <sup>1</sup> For those customers currently using Air-Pak 75 SCBA with the adjustable seat pressure reducer (part number 200925-01, 200925-02, or 200925-03), please select option 4.
- <sup>2</sup> For those customers currently using Air-Pak NxG7 SCBA with the adjustable seat pressure reducer (part number 200926-01, 200926-02, or 200926-03), please select option 7.



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*

Part Number	Description
<b>EPIC 3 Voice Amplifier</b>	
201275-01	EPIC 3 Voice Amplifier, Open Bracket Configuration
201275-02	EPIC 3 Voice Amplifier, Closed Bracket Configuration
<b>EPIC 3 Radio Interface Voice Amplifier</b>	
201276-01	EPIC 3 Radio Interface Voice Amplifier, Open Bracket Configuration
201276-02	EPIC 3 Radio Interface Voice Amplifier, Closed Bracket Configuration
<b>EPIC 3 Lapel Speaker Microphone</b>	
201224-02	EPIC 3 Lapel Speaker Microphone, for use with Motorola HT1000, XTS series radios
201224-04	EPIC 3 Lapel Speaker Microphone, for use with Motorola HT750/1250/1550 series radios
201224-06	EPIC 3 Lapel Speaker Microphone, for use with Motorola Mototrbo XPR Series, APX series radios
201224-07	EPIC 3 Lapel Speaker Microphone, for use with Kenwood TK280/290/380/390 series radios
201224-22	EPIC 3 Lapel Speaker Microphone, for use with Harris P5400/7300, Unity Series, XG series radios
<b>EPIC 3 Bluetooth® Lapel Speaker Microphone</b>	
201277-02	EPIC 3 Bluetooth® Lapel Speaker Microphone, for use with Motorola HT1000, XTS series radios
201277-04	EPIC 3 Bluetooth® Lapel Speaker Microphone, for use with Motorola HT750/1250/1550 series radios
201277-06	EPIC 3 Bluetooth® Lapel Speaker Microphone, for use with Motorola Mototrbo XPR Series, APX series radios
201277-07	EPIC 3 Bluetooth® Lapel Speaker Microphone, for use with Kenwood TK280/290/380/390 series radios
201277-11	EPIC 3 Bluetooth® Lapel Speaker Microphone, for use with Motorola Radius GP300 series radios
201277-22	EPIC 3 Bluetooth® Lapel Speaker Microphone, for use with Harris P5400/7300, Unity Series, XG series radios
<b>EPIC 3 Voice Communication System Accessories</b>	
201226-01	EPIC 3 Ring PTT
201227-01	EPIC 3 Paddle PTT
201228-01	EPIC 3 Throat Mic
201229-01	EPIC 3 Command Communication Headset
201243-01	EPIC 3 Bluetooth® Programmer Interface Module with USB cable



**The Scott Story.** Since 1932, Scott Safety has been committed to providing outstanding, reliable safety equipment to those whose lives depend on it. Thousands of safety workers, firefighters, police, civil defense and military personnel have counted on Scott for innovative product design, best exemplified by our industry-leading Air-Pak SCBA. We've built a solid reputation on our attention to detail, rigorous quality assurance and exceptional service.

© 2016 Scott Safety. SCOTT, the SCOTT SAFETY Logo, Scott Health and Safety, Air-Pak, Air-Pak Fifty, Air-Pak 75, AV-3000, SureSeal, NxG2, NxG7, SEMS, VibrAlert and EPIC are registered and/or unregistered marks of Scott Technologies, Inc. or its affiliates.

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

Kevlar® is a registered trademark of E.I. Du Pont de Nemours and Company.  
H/S 7090C\_EN 6/16 ISO 9001 Registered. All rights reserved.

