



3M™ Scott™ Air-Pak™ X3 Pro SCBA NFPA 1970, 2025 Edition



Question

Is the Air-Pak X3 Pro SCBA certified to the NFPA 1970, 2025 Edition standard?

Answer

Yes. The Air-Pak X3 Pro is certified to the NFPA 1970, 2025 Edition standard.

Question

What changes were made on the Air-Pak X3 Pro SCBA to meet the new NFPA 1970, 2025 Edition standard?

Answer

There were minimal product changes required to the Air-Pak X3 Pro to meet the NFPA 1970, 2025 Edition standard. The primary change was on the End-of-Service-Time Indicator (EOSTI) to adjust the low air alarm set point to reflect rated cylinder volume and correction factor for the incompressibility of air at high pressure.

Question

What are the key features of the Air-Pak X3 Pro SCBA?

Answer

The Air-Pak X3 Pro is built on a foundation of redundant safety features, maintaining the reliability and durability of the Air-Pak SCBA, with a focus on enhancements to Cleanability, Comfort, and Connectivity.

The Air-Pak X3 Pro combines high-performance materials for improved water repellency with a removable harness for cleaning, decontamination, and serviceability. With minimal water absorption, the harness assembly may be machine laundered to help with exposure reduction efforts.

Offering enhanced electronics with Bluetooth® technology, the Air-Pak X3 Pro supports wireless connectivity between devices for improved configurability, data transmission/retrieval, firefighter safety and fireground accountability. An electronic personnel accountability report (ePAR) feature enables incident command to check the status of a firefighter with a simple click of a button (using 3M™ Scott™ Monitor Pro telemetry software), helping to reduce radio traffic.

Question

What facepieces are approved for use with the Air-Pak X3 Pro SCBA?

Answer

There are two facepieces approved for use with the Air-Pak X3 Pro SCBA:

Vision C5 Facepiece - 3M Scott's latest facepiece offering, compatible with the E-Z Flo C5 regulator, and available in a 4-strap or 5-strap configuration

AV-3000 HT Facepiece - Compatible with the E-Z Flo+ regulator, and available in a 4-strap or 5-strap configuration

Question

What type of cylinder connection is available on the Air-Pak X3 Pro SCBA?

Answer

The Air-Pak X3 Pro SCBA is available in either a Snap-Change or CGA-threaded cylinder connection. The Snap-Change cylinder connection utilizes a quick release probe, whereas the CGA cylinder connection utilizes CGA 347 threads. The Snap-Change cylinder connection provides several added benefits over the traditional threaded connection, in that it promotes rapid cylinder replacement, improves efficiencies during cylinder charging, and reduces wear and tear on the cylinder valve.

Question

What types of cylinders are compatible with the Air-Pak X3 Pro SCBA?

Answer

The Air-Pak X3 Pro will support two distinct operating pressures – 4500 psig and 5500 psig – and is compatible with breathing air cylinders rated for 30-minute, 45-minute, 60-minute, and 75-minute duration. Cylinders are available in the configurations listed below.

Type	Service Life	Pressure	Duration
Carbon	15-year	4500 psig	30-min, 45-min, 60-min
Carbon, ST7	15-year	4500 psig	30-min, 45-min, 60-min
Carbon	30-year	4500 psig	30-min, 45-min, 60-min
Carbon	15-year	5500 psig	30-min, 45-min, 60-min, 75-min

Question

Is the Air-Pak X3 Pro SCBA available with an articulating waist pad option?

Answer

Yes. The Air-Pak X3 Pro comes standard with an articulating waist pad. Unlike traditional SCBA that offer mechanical articulation, the Air-Pak X3 Pro utilizes a reinforced Kevlar® webbing design to provide the user with a greater range of motion through natural articulation of the waist pad. The benefit of which is enhanced comfort, reduced fatigue, and better weight distribution, all without sacrificing durability of the product.

Question

Can the Air-Pak X3 Pro SCBA harness and webbing be detached from the backframe for cleaning and decontamination?

Answer

Yes. The Air-Pak X3 Pro incorporates a removable harness to enable cleaning and decontamination following any immediately dangerous to life or health (IDLH) event. Requiring no tools and minimal training, removal of the harness can be accomplished by the SCBA wearer. The harness assembly can be cleaned using a soft bristle brush with soap/water or it can be machine laundered, both of which are proactive steps to help with exposure reduction.

Question

Can the Air-Pak X3 Pro SCBA be ordered with a spare harness assembly?

Answer

No. The Air-Pak X3 Pro may no longer be configured with a spare harness assembly at the time of ordering. The spare harness assembly must be purchased separately.

Question

Is the Air-Pak X3 Pro SCBA equipped with a rated drag handle?

Answer

Yes. The Air-Pak X3 Pro incorporates a drag rescue loop that is sewn into the shoulder harness assembly and attached to the backframe. This design promotes easier use with gloved hands and provides a horizontal pull strength of 1000 lbs to assist with firefighter rescue. 3M™ Scotchlite™ Reflective Material enhances visibility of the drag rescue loop to assist with locating in low light conditions.

Question

Does the Air-Pak X3 Pro SCBA provide enhanced visibility of the firefighter while operating on the fireground?

Answer

Yes. Utilizing a combination of 3M™ Scotchlite™ Reflective Material, the Air-Pak X3 Pro harness and webbing provide enhanced visibility of the SCBA when operating in low light conditions. Electronic “buddy” lights help enable a 360° view of the firefighter’s status (i.e. air pressure and PASS), improving safety and accountability on the fireground.

Question

How does the Air-Pak X3 Pro SCBA help to improve fireground accountability?

Answer

A feature of the Air-Pak X3 Pro is the integration of an electronic personnel accountability report (also known as ePAR) as part of the SEMS II Pro wireless SCBA telemetry system. Utilizing SEMS II Pro in conjunction with Monitor Pro telemetry software, the incident commander has the ability to initiate a PAR request through a simple touch command on the computer. The PAR request is transmitted wirelessly to each individual SCBA wearer, who in turn will receive a visual and audible alert notification. The SCBA wearer may acknowledge the PAR request by pressing a button on the PASS Console, transmitting a signal back to the Monitor Pro software and clearing the PAR request.

Question

How does the ePAR feature on the Air-Pak X3 Pro SCBA help to improve fireground communications?

Answer

Maintaining personnel accountability and effective communications are two of the biggest challenges on the fireground. Maintaining personnel accountability requires effective communication and often times it is a lack of effective communications that can turn a bad situation to worse. This is where ePAR can help improve fireground communications. By reducing excess radio traffic and relying instead on data transmission through the SEMS II Pro wireless SCBA telemetry system, accountability is preserved while maintaining effective communications for when it matters most.

Question

Does the SEMS II Pro wireless SCBA telemetry system require the use of a Gateway?

Answer

Yes. The SEMS II Pro wireless SCBA telemetry system will require use of a Gateway (3M Catalog ID 201088-03).

Question

Is the 3M™ Scott™ SEMS II Gateway compatible with the 3M™ Scott™ SEMS 3.0 Wireless SCBA Telemetry System?

Answer

No. The SEMS II Gateway is not compatible with the SEMS 3.0 wireless SCBA telemetry system.

Question

Can the SEMS II Pro wireless SCBA telemetry system be used in conjunction with the SEMS 3.0 wireless SCBA telemetry system?

Answer

Yes. For events where SCBA are using both SEMS 3.0 wireless SCBA telemetry system and SEMS II Pro wireless SCBA telemetry system (e.g., mutual aid response), the Incident Commander (I/C) will need to use both a SEMS 3.0 Gateway and SEMS II Gateway. This can be accomplished by connecting the two gateways to a single computer or running separate computers. In both scenarios, all SCBA telemetry data will be displayed using the Monitor Pro software.

Question

How does the SEMS II Gateway connect to a compatible laptop?

Answer

The SEMS II Gateway uses a USB-A connection to a compatible laptop.

Question

Is SEMS II Pro a standard feature on the Air-Pak X3 Pro SCBA?

Answer

No. SEMS II Pro is an option on the Air-Pak X3 Pro. While the SEMS II Pro feature enables improved fireground accountability when used in conjunction with Monitor Pro telemetry software, 3M Scott Fire & Safety understands that not all fire departments have the same level of staffing to support this type of system. As such, the Air-Pak X3 Pro may be configured with either the Pak-Tracker or SEMS II Pro PASS device.

Question

Is Pak-Tracker a standard feature on the Air-Pak X3 Pro SCBA?

Answer

Yes. The Pak-Tracker firefighter locator transmitter is a standard feature on the Air-Pak X3 Pro SCBA.*

* Hand-Held Receiver (HHR) must be purchased separately in order to receive and track Pak-Tracker signals from the SCBA.

Question

Is the Air-Pak X3 Pro SCBA available in a Hazmat configuration?

Answer

Yes. The Air-Pak X3 Pro may be ordered in a Hazmat configuration that has the motion sensor deactivated, disabling the automated PASS alarm activation. Incorporating the same features as the SEMS II Pro option, the Hazmat configuration enables SCBA telemetry and electronic PAR capability, while also providing a manual alarm option for the SCBA wearer. The Hazmat configuration is identified by a yellow console and is not compliant to the NFPA 1970 [SCBA] 1982 (PASS), 2025 Edition standard.

Question

Is the Air-Pak X3 Pro SCBA equipped with a temperature sensor?

Answer

Yes. The Air-Pak X3 Pro is equipped with an embedded temperature sensor to monitor the performance and integrity of the system electronics. In the event that the electronics exceed an elevated internal temperature threshold (approximately 176° F), the SCBA will emit an alarm tone signifying an evacuation to the wearer. This is referred to as a System Integrity Alarm.

Question

How does the System Integrity Alarm integrate with Monitor Pro telemetry software?

Answer

Prior to activation of the System Integrity Alarm on the SCBA, Monitor Pro telemetry software will initiate a pre-alert (at approximately 170° F) to notify Incident Command of the elevated temperature inside the SCBA electronics. This notification serves as an advance warning to give Incident Command the option to evacuate the SCBA wearer.

Question

Does the Air-Pak X3 Pro SCBA have an option for an integrated thermal imaging camera?

Answer

Yes. As part of the Air-Pak X3 Pro product solution, customers can configure their AV-3000 HT facepiece to utilize the 3M™ Scott™ Sight In-Mask Thermal Imager, the first and only hands-free thermal imager. Integrated into the facepiece rather than the SCBA, Sight combines an exterior-mounted camera with a display inside of the facepiece to eliminate the need for reaching down and lifting up a camera. Firefighters now have both hands free for effective communication, victim extraction, and carrying tools.

Question

Are the Air-Pak X3 Pro SCBA electronics programmable?

Answer

Yes. Certain features of the Air-Pak X3 Pro electronics may be wirelessly configured using a mobile application, such as programming the Pak-Tracker ID.

Question

In the event that 3M Scott Fire & Safety releases new firmware for the Air-Pak X3 Pro SCBA, how do I upgrade the electronics?

Answer

The Air-Pak X3 Pro incorporates Bluetooth technology to enable fast and reliable wireless connection to a mobile device for use in upgrading the electronics firmware.

Question

Can the Air-Pak X3 Pro SCBA be configured with an integrated self-rescue belt?

Answer

Yes. The Air-Pak X3 Pro may be configured with a standard waist belt or the EZ-Scape Pro firefighter escape belt. The EZ-Scape Pro firefighter escape belt is available with an optional accessory pouch, allowing fire departments to choose their own NFPA 2500 (1983) certified bailout system. Due to the required attachment method to the backframe, the EZ-Scape Pro waist pad assembly cannot provide the natural articulation as found with the standard Air-Pak X3 Pro waist pad assembly.

Question

Is there a chest strap option available for the Air-Pak X3 Pro SCBA?

Answer

Yes. Although the Air-Pak X3 Pro is designed to evenly distribute weight to the SCBA wearer's hips for a more balanced load, some customers may feel more comfortable using a chest strap. A universal chest strap accessory (3M Catalog ID 201612-01) is available for integration into the Air-Pak X3 Pro harness and may be installed in an upper or lower position to accommodate different firefighter body types.

Question

Can a waist belt extension accessory be used with the Air-Pak X3 Pro SCBA?

Answer

Yes. The waist belt extension accessory (3M Catalog ID 201614-01) is compatible with the Air-Pak X3 Pro.

Question

What type of facepiece connection does the Air-Pak X3 Pro SCBA mask-mounted regulator use and does it meet the NFPA 1970, 2025 Edition performance requirement for Strength of Interface testing?

Answer

One of the benchmarks of the Air-Pak SCBA, the E-Z Flo+ mask-mounted regulator utilizes a quarter-turn design, to help improve the strength of interface connection to the facepiece, minimizing the possibility for inadvertent separation or removal. The E-Z Flo+ mask-mounted regulator meets all requirements for the NFPA 1970, 2025 Edition standard.

The E-Z Flo C5 regulator utilizes a similar quarter-turn design, while also meeting the performance requirements for the NFPA 1970, 2025 Edition standard.

Question

Does the mask-mounted regulator utilize a heads-up display?

Answer

Yes. A heads-up display is integrated into the mask-mounted regulator to provide critical information to the SCBA wearer, including air status, PASS status and a low battery warning.

The E-Z Flo C5 regulator incorporates an extended heads-up display to provide additional visual alerts to the SCBA wearer for electronic personnel accountability report (ePAR), EVAC and System Integrity Alarm. These additional visual alerts are only active with the Air-Pak X3 Pro SCBA, configured with SEMS II Pro wireless SCBA telemetry system.

Question

Does the Air-Pak X3 Pro SCBA utilize an End-of-Service-Time Indicator (EOSTI)?

Answer

Yes. The Air-Pak X3 Pro utilizes two independent EOSTI devices to notify the SCBA wearer when their air supply is getting low. The primary EOSTI is a Vibralert, which provides both an audible and tactile warning to the SCBA wearer when the cylinder pressure reaches 31% (+/- 2%) cylinder pressure for SCBA rated at 4500 psig or 29% (+/- 2%) cylinder pressure for SCBA rated at 5500 psig. The secondary EOSTI is a heads-up display and provides a visual indicator of the SCBA air status.

Question

How has the Vibralert changed on the E-Z Flo C5 regulator?

Answer

The E-Z Flo C5 regulator utilizes a reduced frequency Vibralert, helping to improve two-way radio communications while continuing to provide an audible and tactile low air warning for immediate recognition on the fireground.

Question

What is the warranty on the Air-Pak X3 Pro SCBA?

Answer

The Air-Pak X3 Pro SCBA, compliant to the NFPA 1970, 2025 Edition standard, is covered for as long as you own the product.

The warranty covers defects in workmanship and materials for as long as the product is owned by the original end-user purchaser, and does not require any type of overhaul or mandatory parts replacement to maintain warranty coverage. The Air-Pak X3 Pro provides a low, lifetime cost of ownership, affording customers peace of mind knowing that your most important investment is backed for your lifetime ownership of the product. Furthermore, the warranty is backed by 3M Scott's extensive network of service centers, ensuring that critical safety equipment is repaired and placed back into service with minimal downtime.



Personal Safety Division
3M Scott Fire & Safety
Monroe Center
Monroe, NC 28110

Phone: 1-800-247-7257
Email: US-3M-ScottMonroeCSR@mmm.com
Web: 3M.com/ScottFire (US)
3M.ca/ScottFire (Canada)

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