



**WARRIOR™ SCBA**

**SPERIAN FIRE**

Based on your experience.  
Built for your world.



NFPA 2007  
compliant.

The Warrior is a new type of SCBA, based on proven technologies and updated with features suggested by firefighters themselves. We recruited teams of experienced professional firefighters and placed them at the center of the design process.

Now it's here. Completely redesigned, the Warrior™ SCBA incorporates proven technology and input from advisory teams of firefighters from large and small departments across North America.

The result is an SCBA unlike any you have experienced before. Comfortable, reliable, easy to use and field-tested tough. The Warrior moves and works the way firefighters need it to—with them, not against them—in the most adverse conditions. Experience the Warrior difference for yourself.

**Developed with firefighters.  
A difference you can rely on.**

Redesigned and rigorously tested to meet or exceed national standards.

**Immersion Leakage Test.** The Warrior combines several high-tech sealing methods and space-age engineered thermoplastics to create SCBA electronics housings designed to withstand the severe conditions of the Immersion Leakage Test, as well as the 500°F High Temperature Test for PASS devices in NFPA 1982.

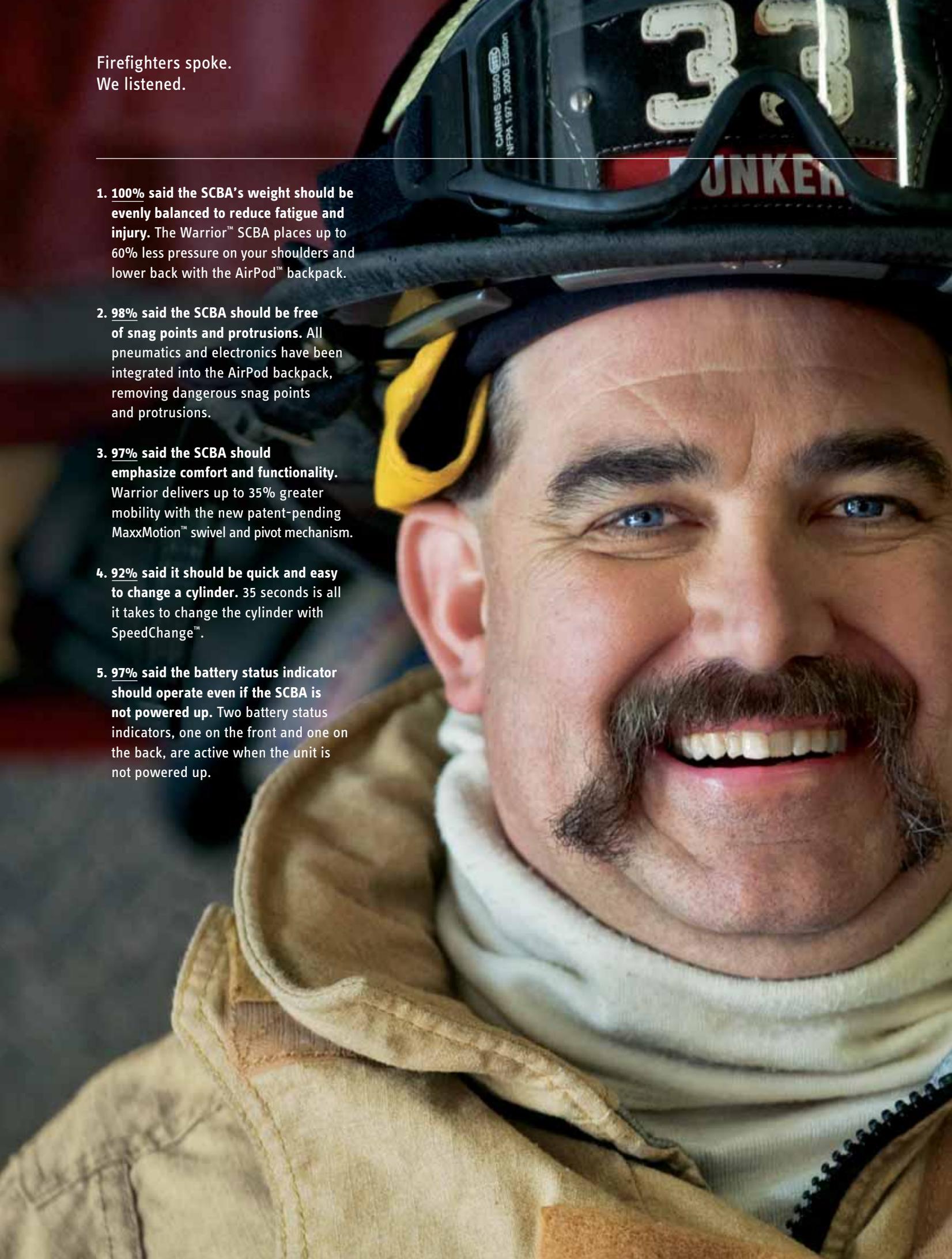
**CBRN Certification.** The Warrior has been designed from the ground up to meet the CBRN certification requirements. This includes utilization of special materials and seals that create a barrier to the live agents (mustard and Sarin) used in CBRN certification testing.

**Tumble Test.** The completely new IntelliPASS™ PASS device uses state-of-the-art materials and shock-protected electronics that withstand repeated blows as simulated in the Tumble Test.

Survivair is now Sperian Fire. Our name is new, but our commitment to quality and innovation is 47 years strong.

Firefighters spoke.  
We listened.

1. **100%** said the SCBA's weight should be evenly balanced to reduce fatigue and injury. The Warrior™ SCBA places up to 60% less pressure on your shoulders and lower back with the AirPod™ backpack.
2. **98%** said the SCBA should be free of snag points and protrusions. All pneumatics and electronics have been integrated into the AirPod backpack, removing dangerous snag points and protrusions.
3. **97%** said the SCBA should emphasize comfort and functionality. Warrior delivers up to 35% greater mobility with the new patent-pending MaxxMotion™ swivel and pivot mechanism.
4. **92%** said it should be quick and easy to change a cylinder. 35 seconds is all it takes to change the cylinder with SpeedChange™.
5. **97%** said the battery status indicator should operate even if the SCBA is not powered up. Two battery status indicators, one on the front and one on the back, are active when the unit is not powered up.



## Superior mobility.

Standing, bending, crawling or climbing, the Warrior™ SCBA moves with you, not against you. The sleek integrated design eliminates bulky protrusions that restrict movement and act as snag points. The unique MaxxMotion™ swivel and pivot mechanism ensures that the Warrior moves the way you need to move in the most demanding of circumstances.

## Enhanced communications.

To keep your team connected, Warrior offers a choice of two best-in-class communication options.

1. The CommCommand™ Voice Amplification System (VAS) offers clear, distortion-free, local vicinity communication with push-to-talk or hands-free modes.
2. The CommCommand™ Wireless Radio Communication System (RCS) utilizes a digital spread spectrum that scrambles voice data 14,000 times per second for crystal-clear radio communication. The lapel microphone with built-in speaker can be used independently or with the RCS in a matter of seconds for an integrated communications solution.

## Optimized vision.

Smoke, darkness and glare challenge your vision. Warrior's TwentyTwenty® Plus CBRN facepiece delivers an unobstructed view and unparalleled peripheral vision. The optically correct, scratch-resistant polycarbonate lens with permanent anti-fog coating offers superior vision under the worst conditions. Lasting comfort is built in with a seal of soft, pliable butyl rubber designed to easily and comfortably fit most facial configurations.

**New levels of integration, simplicity, comfort and mobility.**



## Integrated electronics.

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The Warrior™ SCBA integrates simplicity into its sophisticated electronic and safety systems. All of the Warrior's electronics—LED HUD, IntelliPASS™, visual low air indicator, battery status indicator and optional Sperian Pathfinder™ firefighter locating system—are powered from a central power source utilizing four “C” alkaline batteries. Warrior offers audible and visual alarms on the front and back of the SCBA. The IntelliPASS alarms emit a sound pressure level of at least 95 dBA and are tested to temperatures as high as 500°F. Two alarms on the front and two on the back mean the PASS device is not muffled—regardless of the downed firefighter's orientation.



Research proves: Warrior delivers a measurable improvement versus a traditional SCBA.

Greater ease of movement translates into improved safety and less fatigue on a firefighter's body. In an independent analysis, Warrior's AirPod™ backpack, with the MaxxMotion™ swivel and pivot mechanism, was compared to the typical rigid SCBA platform for posture, fit, range of mobility and comfort. The study consisted of on-site and off-site evaluations with professional firefighters where quantitative and qualitative data were collected. The results were documented using digital photography and video and plumb line analysis. No matter what the activity, firefighters wearing Warrior™ SCBAs with MaxxMotion experienced a more comfortable fit with less pressure on the shoulders and back, as well as exceptional maneuverability.

- Comfort and ergonomic weight placement in any body position
- Completely free, unrestricted natural back movement
- Exceptional maneuverability
- Twice the head and neck mobility of traditional SCBAs
- 35% greater mobility side-bending
- Up to 30% greater trunk mobility forward-bending
- 20% increase in hip flexion

## Warrior delivers a difference you can feel.

MaxxMotion™ Swivel and Pivot mechanism supports natural back movement.

Ergonomic posture and positioning analysis.

### During the "commando crawl":

- Warrior's lower cylinder position rotates away from the leg/hip region, providing space for unrestricted mobility. In addition, the lower position allows the cylinder to slide over the buttocks during trunk extension.
- Trunk side-bending mobility is enhanced over traditional rigid systems.
- Hip flexion is improved over the rigid SCBA by 20%.
- Lower trunk mounting allows for unrestricted head and neck movement.

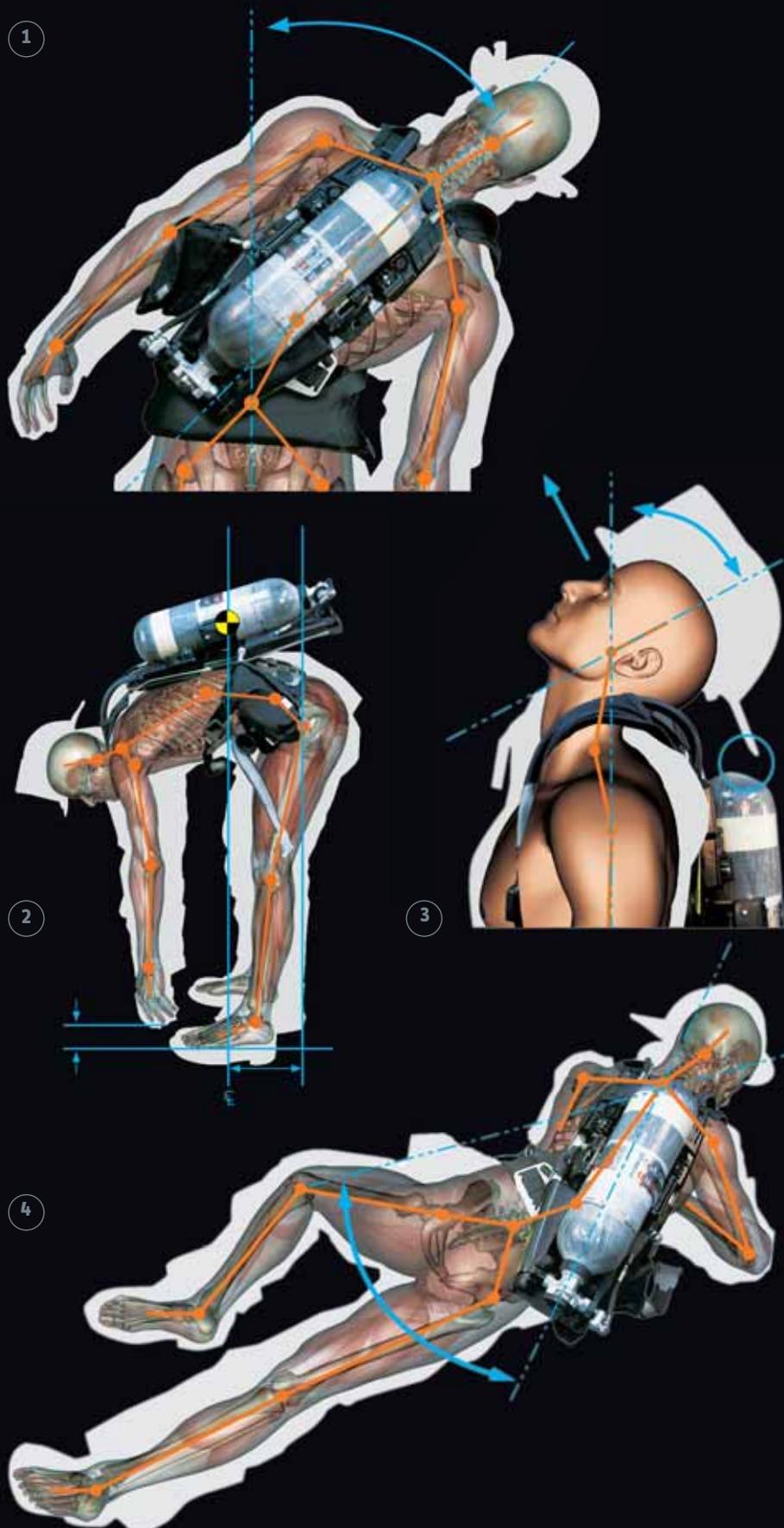
### Warrior promotes natural, erect posture.

- The distance of the cylinder to the lumbar spine is minimized, creating a more balanced load.
- The center of the cylinder aligns with the lower thoracic region, allowing more upright trunk posture.

- Pressures measured at the scapular and sacral regions are negligible (equal to or less than 5 lbs). Traditional rigid SCBAs measure up to 15 lbs of pressure at the scapular region and 22 lbs at the sacral region.
- The Warrior's MaxxMotion™ swivel and pivot mechanism flexes to accommodate and adapt to each user's body contours and size.

## Warrior™ SCBA usability benefits.

- 1. Interaction with victims.** Enhanced flexibility in bending, crouching and lifting results in less muscle strain and quicker access during emergency situations.
- 2. Forward bending.** Increased flexibility means greater ease during routine tasks.
- 3. Ladder climbing.** Warrior increases mobility for the neck, arms, back and legs, enhancing safety and vision when climbing.
- 4. Crawling.** Unrestricted head movement creates a wide vertical viewing angle. Increased torso range of motion allows for natural movement.



Maximum mobility and comfort with fewer snag points.

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- 1. Carrying Handles.** Three large handles accommodate gloved hands and allow for easy transport.
- 2. AirPod™ Backpack.** Lightweight, aluminum backplate delivers superior strength and stability.
- 3. Alarms.** Choice of three audible low air alarms (bell, plain whistle, or warbling whistle) located near the ear for easy detection by the user. Visual low air alarm on back for easy identification in high-noise environments. A large red button on the front of the IntelliPASS™ provides instant full alarm. Battery status indicators on front and back for critical battery information prior to donning.
- 4. Tank Band.** SpeedChange™ lock and release system makes for quick cylinder change-outs with one hand under the most adverse conditions.
- 5. PASS Alarms.** IntelliPASS™ audible and visual alarms located on the front and back of the SCBA increase chance of discovery regardless of the orientation of the downed firefighter. Bi-color LEDs on front and back provide immediate visual indications of whether the IntelliPASS is in sensing or alarm mode. Data logging records the most recent 2,000 events—downloadable to any PC.
- 6. Three Carabiner Attachments.** Carabiner attachment points withstand up to 1,000 lbs of pull force for extrication.
- 7. Hip Pad.** Large, flexible hip pad distributes weight evenly across the back for added comfort. Unique MaxxMotion™ swivel and pivot design moves with firefighters, delivering superior mobility.
- 8. Grab Handles.** Large grab handles allow easy location and function with gloved hands.
- 9. First Stage Pressure Reducer.** Fail-safe design is simple and reliable; protected within the backpack to eliminate snag points.
- 10. Central Power Source.** Single battery compartment, utilizing four “C” alkaline batteries, to power all integrated electronics simplifies and reduces frequency of battery change.
- 11. Rapid Intervention Crew/Company Universal Air Connection (RIC UAC).** Protected by the backplate for safety—eliminating another snag point.

## Integrated design.



Superior optics and unparalleled peripheral vision.

Two reliable options for keeping your team connected.

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- 12. TwentyTwenty® Plus CBRN Facepiece.** Optically correct anti-fog lens provides distortion-free view and unparalleled peripheral vision. Soft butyl rubber skirt furnishes excellent sealing ability, comfort and durability.
- 13. Hard-wired Heads-Up Display (HUD).** Wide-span LED-style display automatically dims or brightens and offers “gas gauge” style readings for easy differentiation. External visual low air alarm provides easy identification in high-noise environments.
- 14. CommCommand™ Voice Amplification System (VAS).** Features clear, distortion-free voice amplification with choice of push-to-talk or hands-free operation.
- 15. CommCommand™ Wireless Radio Communication System (RCS).** Features digital spread spectrum radio frequency for crystal-clear communications. Eliminates interface cable snag hazard.



## CommCommand™ Communications.

Sperian offers firefighters two best-in-class communication options: a Voice Amplification System (VAS) with distortion-free, crystal-clear person-to-person communication and a wireless Radio Communication System (RCS) that provides clear, remote communication utilizing digital spread spectrum technology.

- Both the VAS and RCS are modular, stand-alone components
- The streamlined design and integration of the RCS and VAS allows secure attachment to the TwentyTwenty® Plus facepiece
- Neither the VAS nor RCS obstruct the user's peripheral vision

x242135 Wireless Radio Communication System (RCS)

x242136 Voice Amplification System (VAS)

x242137 RCS and VAS (Combo)

x242138 Facepiece Modification Kit (VAS without Amplifier Module)

## Intermediate Pressure Quick-disconnect.

For improved hose management, Sperian offers an optional intermediate pressure quick-disconnect, allowing the second stage regulator to be removed from the Warrior. The quick-disconnect requires a single action to connect and dual action to disconnect, eliminating accidental disconnections.

975670 Intermediate Pressure Quick-disconnect

## Sperian Pathfinder™ Firefighter Locating System.

Field trials have shown that Sperian Pathfinder significantly reduces the time to locate a downed firefighter. Utilizing PULSE ultrasound technology, Sperian Pathfinder consists of three omnidirectional transmitters (the Beacons) and a narrowly focused receiver (the Tracker). The ultrasonic signal has a clear transmission path, no matter which way a firefighter has fallen. Readouts on the Tracker show the strength of the firefighter's signal, indicating whether the firefighter is near or far, or behind an obstruction. Warrior offers built-in compatibility with Sperian Pathfinder.

961999 Tracker Kit for Sperian Pathfinder

963000 Exit Beacon Kit

963001 Auxiliary Beacon Kit

## Warrior™ SCBA Accessories and Options.



## Cylinder options.

## CN/CS/WMD Adapter and APR Adapter.

Sperian Fire has a wide variety of cylinder options to suit your department's requirements. Sperian offers four designs for our carbon fiber cylinders—Standard, Flame, Maltese Cross and the

Warrior™ design. Sperian Fire's carbon fiber material reduces cylinder weight by 2 to 10 lbs when compared to fiberglass-wrapped and aluminum cylinders.

Both the Sperian Fire CN/CS/WMD and APR Adapters provide respiratory protection to the user without having to change facepieces. Both adapters attach to the TwentyTwenty® Plus facepiece in a matter of seconds and provide firefighters with the versatility of using the SCBA facepiece as an APR facepiece.

- NIOSH certified for use in CN/CS environments and usable against chemical warfare agents
- APR Adapter ideal for overhaul and non-IDLH environments

### Cylinder Availability Matrix

	4500 PSIG				3000 PSIG 30 Min	2216 PSIG 30 Min
	30 Min	45 Min	45 Min (short)	60 Min		
<b>Carbon-Wrapped</b>						
Sperian – Standard	●	●	●	●	●	●
Flames – Optional	●	●	●	●	●	●
Maltese Cross – Optional	●	●	●	●	●	●
Warrior Band – Optional	●	●	●	●	●	●
<b>Aluminum</b>						
	4500 PSIG				3000 PSIG 30 Min	2216 PSIG 30 Min
	30 Min	45 Min	45 Min (short)	60 Min		
Standard – White with Sperian Logo	○	○	○	○	○	●
<b>Hoop-Wrapped Fiberglass</b>						
	4500 PSIG				3000 PSIG 30 Min	2216 PSIG 30 Min
	30 Min	45 Min	45 Min (short)	60 Min		
Sperian – Standard	●	○	○	○	○	●

● Available    ○ Not available

### CN/CS/WMD Adapter

960150 CN/CS/WMD Adapter  
168800 CN/CS w/P100 Canister

### APR Adapter

962900 APR Adapter  
105810 Multi-Contaminant Cartridge with P100 Filter (box of 4)  
105005 P100 Filter (box of 10)



Sperian Fire is here.  
And listening to you.

At Sperian Fire, the most important thing we put into our products is you. By incorporating the input of professional firefighters into our designs, we are able to turn your experience into new product solutions.

We invite you to join the Sperian Fire Feedback Battalion™—the first online advisory panel created for fire professionals and first responders. The Feedback Battalion gives you a direct channel to share your views on fire safety issues, products, and trends. Working together we can ensure ongoing improvements in the equipment and programs you depend on. Visit [www.feedbackbattalion.com/join](http://www.feedbackbattalion.com/join) and join today.



## Spectacle (Vision) Kits.

Spectacle kits allow anyone who uses a full facepiece respirator to use prescription eyeglasses inside the facepiece without compromising the seal. Sperian Fire offers two solutions.

- 962260 Standard—Offers traditional metal framed eyeglasses that fit inside the TwentyTwenty® Plus facepiece
- 964044 NexSpex—Offers a plastic frame that can be removed from the TwentyTwenty® Plus facepiece and attached to the user's head with elastic straps

## Buddy Breather.

The Warrior's Buddy Breather offers the user the ability to share air with a "buddy" without having to disconnect the second stage regulator. It utilizes a two-step, push-pull, female quick-disconnect fitting designed to prevent accidental release. A dual fitting on a 37-inch hose allows firefighters to share their air without regulator disconnection.

- x975556 Buddy Breather, Over-the-Shoulder (Dual Fitting)
- x975625 Buddy Breather Pouch (requires installed P/N 975556)

## Chest Strap.

Provides an extra measure of upper harness security for those who prefer it.

- x975460 Chest Strap
- x975462 Chest Strap Shoulder Strap Attachment Rings Only (without Chest Strap)

## Utility D-rings.

Convenient D-rings located on the waist strap at either side of the user. These D-rings can be used to carry tools, ropes or other equipment a firefighter might need and are pull tested to over 1,000 lbs of pull force with no deformation.

- x975465R Utility D-ring, Right
- x975465L Utility D-ring, Left

## Rapid Intervention Team Kit.

A portable RIT Kit can hold everything your rapid intervention team needs for rescue in a rugged, compact, easy-to-carry package. There's room for a 60-minute cylinder, an integrated flashlight holder, and 10 ft of intermediate pressure hose with female/male and RIC/UAC fittings to connect to a downed firefighter's pneumatics. An integrated rope pouch accommodates up to 150 ft of 8mm rope. The bag is made from ballistic nylon with Kevlar® seams and straps for added strength.

The RIT Kit includes a 10-ft intermediate pressure hose with a double shutoff male fitting and an older-style female and double male adapter, plus a 10-ft high pressure fill hose for the RIC UAC fitting.

- 968970 Universal UAC RIT Kit, black bag (includes bag, pneumatics and Pelican flashlight; no cylinder or rope) for 2007-compliant Warriors
- 968922 Same as 968970, but with orange bag
- 964619 Optional Tool Pouch
- 964618 Spare Pelican Flashlight



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 **SPERIAN FIRE**