



**Honeywell TITAN™ SCBA**

**Honeywell**

# HONEYWELL **TITAN** SCBA

“ Make it like my truck. It’s a simple truck, but it has a lot of technology. ”



We pushed our development team and ensured that after every change in the design, the new units were taken back to real users for validation



# TECHNOLOGY MADE SIMPLE

Firefighters, fire leadership, and SCBA technicians from across North America told us what they want and need in an SCBA. Durability, Comfort, and Function—these three themes were repeatedly brought up by firefighters in the development process. During one development meeting, a firefighter had an interesting comment: “Make it like my truck. It’s a simple truck, but it has a lot of technology. I can talk to my truck, and my phone dials a number.”

Make an SCBA that is functional and simple. Make it comfortable, so I don’t feel it after a long night of use. Make it easy to use. Provide access points for easy annual servicing. Design it in a way that makes it more than an SCBA. This was the direction given to product developers and engineers on what to design.

**THE RESULT OF HUNDREDS OF HOURS OF DESIGN, ENGINEERING, AND TESTING: AN INNOVATIVE WAY TO THINK ABOUT THE SCBA, PLACING THE FIREFIGHTER AT THE CENTER OF THE DESIGN PROCESS.**

Honeywell combined proven concepts from Honeywell’s global technology platforms with new technologies to develop a better SCBA—an SCBA that, after every design change, was taken back to firefighters like you for testing and to make sure it was right.



The result is a **high-performance, technologically advanced SCBA that’s simple and easy to use.**

An SCBA that has been **tested, validated, and re-validated** every step of the way by firefighters like you.

## THE SCBA YOU DESIGNED

### THE ABILITY TO DO YOUR JOB SAFELY

## SEE

Designed to meet and exceed the rigorous requirements of the NFPA 1981, 2013 Edition requirements, the Honeywell TITAN SCBA's Twenty/20+® CBRN facepiece delivers an unobstructed view with unsurpassed peripheral vision. The optically correct, scratch-resistant lens with an 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.



# TWENTY/20+ CBRN FACEPIECE

## HEAR

Perhaps the greatest need and challenge for firefighters on a scene is the ability to communicate with one another clearly and effectively. To keep you and your team connected, the TITAN SCBA offers two best-in-class communication options, the CommCommand™ Voice Amplification System (VAS) and the CommCommand Wireless Radio Communication System.





# SWIVEL-AND-PIVOT

## MOVE

Whether you're climbing, bending, crawling, or reaching for equipment on the apparatus, the Honeywell TITAN SCBA's swivel-and-pivot mechanism ensures that it moves the way your body naturally moves – even in the most demanding of circumstances. The simple design helps to minimize bulk, allowing freer movement in difficult spaces.

The TITAN SCBA excels in posture, fit, range of mobility, and comfort

- 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 posture.
- Pressures measured at the shoulder and lower back regions are negligible (equal to or less than 5 lb.). Traditional rigid SCBAs measure up to 15 lb. of pressure at the shoulder region and 22 lb. at the base of the spine region.
- The Honeywell TITAN has an integrated swivel-and-pivot mechanism that flexes to accommodate and adapt to each user's body contours and size.
- Honeywell TITAN features a lower cylinder position that rotates away from the leg/hip region, providing space for unrestricted mobility.
- Trunk side-bending mobility is enhanced over traditional rigid SCBA systems.
- Hip flexion is greatly improved over rigid SCBA systems.
- Lower trunk mounting allows for unrestricted head and neck movement.

## FEEL

We can't take all the weight out of the SCBA, but we can displace the weight so that a minimal load is felt on your shoulders and back. The ergonomic design of the shoulder straps, hip pad and back frame allows the weight to be displaced, making the Honeywell TITAN a very comfortable SCBA to wear.

Slipping shoulder straps are a chronic problem firefighters face. Too loose and they slide off; too tight and they restrict movement. Honeywell addresses this by integrating Ara-shield<sup>®</sup> material into the shoulder straps. Ara-shield provides a tacky surface to keep the shoulder straps on your shoulders, yet it allows exceptional movement.

## STRENGTH

The TITAN SCBA is incredibly strong and built to last. At its foundation is a lightweight aerospace-grade aluminum back frame that delivers 1,000 lb. of pull strength. Shoulder straps provide up to 700 lb. of pull strength, and the waist belt offers up to 1,000 lb. of pull strength. Even the simple carrying handle and strap withstand 1,000 lb. of pull force.



## TECHNOLOGY BY HONEYWELL

### A GLOBAL TECHNOLOGY LEADER

As a global technology leader, Honeywell understands first-hand how vital dependable electronics are to first responders and firefighters. This relationship is magnified when the electronics must perform flawlessly in the most challenging of environments. New firefighting techniques and unforeseen threats take you deeper and into more demanding situations where you don't have a second to question your gear and how it operates. This mindset was the foundation for the development of the electronics for the TITAN SCBA.

#### SIMPLE YET SOPHISTICATED

All the electronics on the Honeywell TITAN—LED HUD, PASS device, visual low-air indicator, battery status indicator, and optional Pathfinder™ firefighter locating system—are powered from a central power source utilizing four C alkaline batteries.

#### INDUSTRY FIRST

The TITAN SCBA offers an industry first: two motion sensors, one in the front PASS and one in the back PASS, that keep the Honeywell TITAN in sensing mode, reducing battery consumption. The Honeywell TITAN offers audible and visual alarms on the front and back of the SCBA for identification, no matter what the orientation. There are four visual low air alarms—an external and an internal red LED on the HUD, a flashing red LED on the back PASS, and a front PASS gauge light that illuminates and flashes.

#### ELECTRONIC DIAGNOSTICS

Honeywell also developed the SCBA Wellness Check software. This internal, electronic diagnostic tool alerts the user when any of the electronics within the Honeywell TITAN require service. The unit emits a chirp upon activation and flashes an LED, indicating to the user that one of the electronic components must be checked for functionality. The SCBA technician then connects a USB cable from the TITAN SCBA to a PC with Wellness Check software installed, and the software indicates the electronic component that requires attention.



WORLD  
CLASS  
ENGINEERING

A large photograph of a firefighter in full gear, including a helmet with a digital display showing the number '32' and the letters 'L.F.D.'. The firefighter is wearing a brown jacket with reflective yellow and red stripes. Three circular inset images provide close-up views of the helmet's visor, the front PASS device, and the back PASS device.





# TESTED AND PROVEN

## LIFE GRIP™ LADDER/ESCAPE BELT HARNESSING SAFETY

The Honeywell TITAN Life Grip™ Ladder/Escape Belt redefines versatility, comfort, and performance beyond anything ever seen on an SCBA. The integration of the Life Grip Ladder/Escape Belt into the SCBA is a natural extension of a firefighter's body, providing a powerful combination of security and exceptional mobility.

The Honeywell TITAN Life Grip Ladder/Escape Belt is integrated into the TITAN SCBA, maintaining the critical NIOSH and NFPA certifications for the Honeywell TITAN SCBA (NFPA 1981, 2013 Edition) and NFPA certification for Life Safety Rope and Equipment for Emergency Services (NFPA 1983, 2012 Edition).

- Fully functional for escape or ladder work: Simply the best waist belt you can have for an SCBA
- Separate sliding D-ring: For bailout system pre-connect
- Optional tether: Stows at waist for use with ladder hook
- Mil spec waist adjuster: Keeps the SCBA comfortably snug on the user's waist

## VERSATILE USAGE

- As a truck belt
- As an NFPA ladder belt
- Securing a firefighter to a ladder
- Pulling victims or fellow firefighters up stairways
- As a firefighter drag strap
- As a belt capable of being used for rappelling



# RESCUE

# NUMEROUS FEATURES

## NONE YOU'LL HAVE TO THINK ABOUT

### 1 Carrying Handle and Strap.

One large handle and a large carrying strap both withstand 1,000 lb. of pull force for easy carrying and extraction.

### 2 Lightweight Backplate.

Lightweight aluminum backplate delivers superior strength and stability and offers 1,000 lb. of pull strength, with extra cutouts to hang additional gear or rope bag.

### 3 Four Carabiner Attachments.

Four large openings on the backplate are designed as carabiner attachment points and can withstand up to 1,000 lb. of pull force for extrication.

### 4 Two Regulator Receivers.

Provide the user with two convenient locations to store the second stage regulator.

### 5 Low-air Alarm.

Choice of two loud audible low-air alarms (bell or warbling whistle) located near the user's ear for easy detection by the user.

### 6 Visual Low-air Alarms.

Visual alarms on the exterior of the LED HUD and front and back PASS illuminate and flash for easy identification in dark, high-noise environments.

### 7 Cylinder Band.

A simple and reliable lock-and-release system makes for quick cylinder changeouts with one hand.

### 8 Optional Front PASS.

Super-bright bi-color LEDs provide immediate visual indications for sensing or alarm mode. A large gauge is illuminated by two extremely bright white LEDs that blink when the SCBA activates the low-air alarm. Large buttons can be felt with a gloved hand.

### 9 PASS Alarms.

Audible alarms and visual indicators provide immediate warning for sensing or alarm mode along with a visual low-air and battery status indicator.

### 10 Two Motion Sensors.

Two motion sensors, one in the front PASS and one in the back PASS, keep the TITAN SCBA in sensing mode, minimizing false alarms. Easy identification in dark, high-noise environments.

### 11 Optional Pathfinder.

The Honeywell Pathfinder Firefighter Locating System significantly reduces the time to locate a downed firefighter.

### 12 Central Power Supply.

Four C Alkaline batteries provide power to the front and back PASS, all indicator lights and electronic audible alarms, HUD, and optional Pathfinder locating system.

### 13 Swivel and Pivot Hip Pad.

Flexes and moves to adapt to each user's body contours, and distributes weight evenly.

### 14 Optional Quick-release Buddy Breather.

When deployed, the buddy breather hose is in the user's hand, ready for action.

### 15 Shoulder Straps.

No more slip! Ara-shield® material is integrated into the shoulder straps, providing a tacky surface, yet it allows exceptional movement.

### 16 Gear Straps.

Four built-in gear straps can be used for hanging lapel mics, flashlights, or other lighter gear.

### 17 Grab Handles.

Large grab handles allow easy location and adjustment of the shoulder straps and waist belt, even with gloved hands.

### 18 First Stage Pressure Reducer.

The first stage pressure reducer's fail-safe design is simple and reliable, designed to help eliminate snag points.

### 19 Rapid Intervention Crew/Company

**Universal Air Connection (RIC UAC).** The RIC UAC is angled, eliminating another snag point. It's located next to the CGA handwheel for easy access.

### 20 D-rings.

Optional D-rings on the waist belt and an adjustable, sliding D-ring on the lower shoulder strap are designed for carrying additional gear or rope bags.

### 21 Optional Sliding D-ring.

Allows users to adjust the height of the D-ring to the position they need, and makes carrying and reaching equipment easy and comfortable.

## Superior Optics and Unparalleled Vision

### 22 Twenty/20+ CBRN Facepiece.

An optically correct anti-fog lens provides a distortion-free view and unsurpassed peripheral vision. A soft butyl rubber skirt furnishes excellent sealing features, comfort, and durability.

### 23 Hard-wired Heads-up Display (HUD).

LED-style display offers bright readings and an external visual low-air LED.

## Two Reliable Options for Keeping Your Team Connected

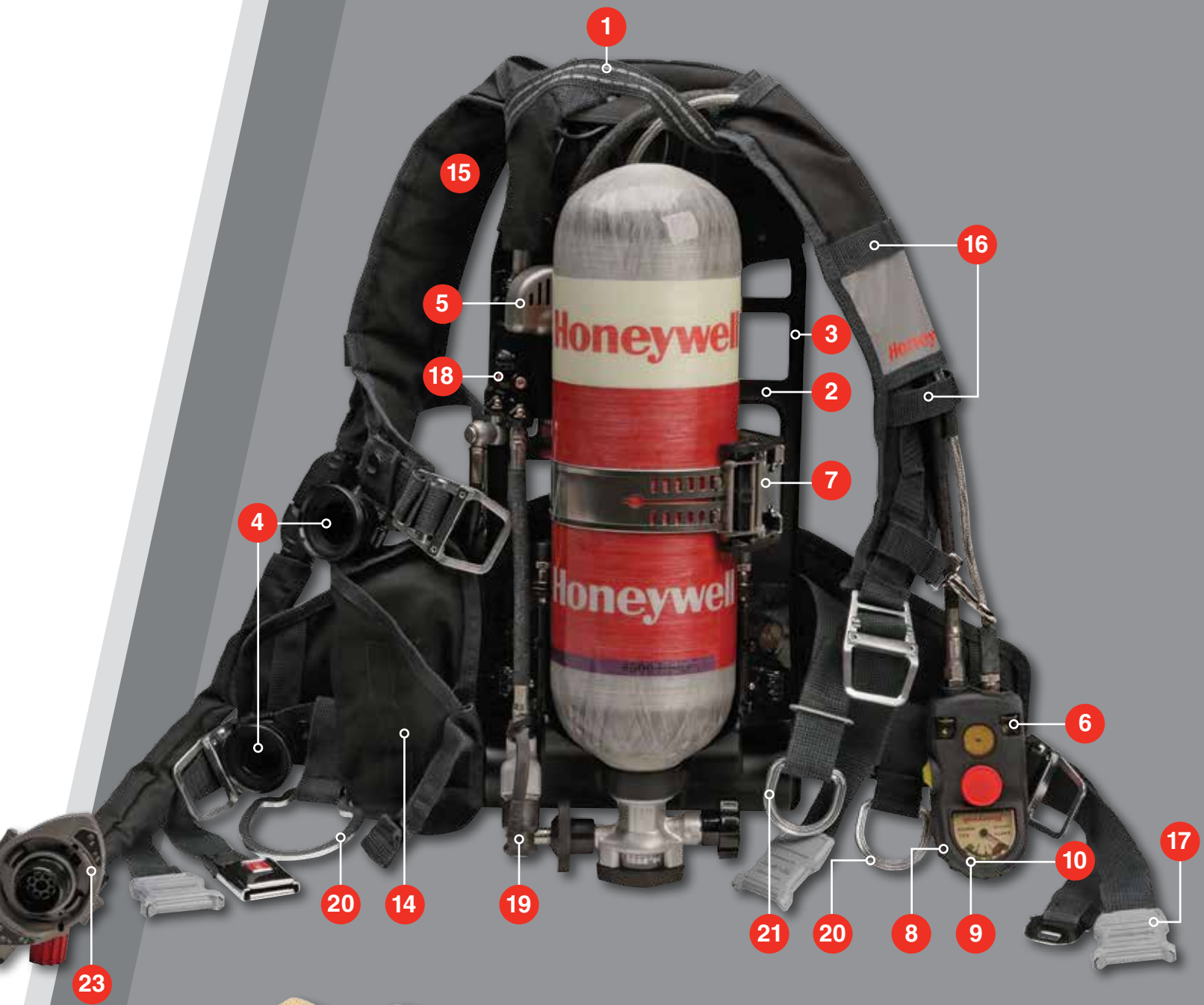
### 24 Voice Amplification System (VAS).

Loud, clear, distortion-free voice amplification with a choice of push-to-talk or hands-free operation.

### 25 Wireless Radio Communication

**System (RCS).** Crystal-clear wireless communications that work with sophisticated trunked repeater radio systems.





# HONEYWELL TITAN SCBA ACCESSORIES AND OPTIONS

## CommCommand Communications

Honeywell 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 works with sophisticated trunked repeater radio systems and provides clear, remote communication, utilizing digital spread spectrum technology. The advantages of this system include less time waiting for the operator's radio to access the radio system, and increased channel capacity for a given quality of service. This ensures that the operator's communications are not lost from lack of channel access.

- Both the VAS and RCS are modular, stand-alone components.
- The streamlined design and integration of the RCS and VAS allow secure attachment to the Twenty/20+ facepiece.
- Neither the VAS nor the RCS obstructs the user's peripheral vision.
- A lapel microphone with built-in speaker can be used independently or with the RCS in a matter of seconds for an integrated communications solution.

- X252135 Installed Wireless Radio Communication System (RCS)
- X252136 Installed Voice Amplification System (VAS)
- X252137 Installed RCS and VAS (combo)
- X252138 Installed Facepiece Modification Kit (VAS without amplifier module)

## Honeywell TITAN Life Grip Ladder and Escape Belt

The Life Grip Ladder and Escape Belts are available in four sizes to fit most individual needs. The escape belt and ladder belt are sold separately, yet can be used together.

- X966846 Installed Life Grip Escape Belt size 38 (fits waist sizes 29–40)
- X966847 Installed Life Grip Escape Belt size 46 (fits waist sizes 37–48)
- X966848 Installed Life Grip Escape Belt size 52 (fits waist sizes 43–54)
- X966849 Installed Life Grip Escape Belt size 60 (fits waist sizes 51–62)
- X966851 Installed Ladder Belt with Tether and Carabiner
- 966843 Carabiner for Ladder Belt
- 966844 Tether for Ladder Belt

## Honeywell Pathfinder Firefighter Locating System

Field trials have shown that the Honeywell Pathfinder Firefighter Locator System significantly reduces the time to locate a downed firefighter. Utilizing PULSE ultrasound technology, Honeywell Pathfinder consists of two 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 is behind an obstruction.

- 962999 Tracker Kit for Honeywell Pathfinder
- 963000 Exit Beacon Kit
- 963001 Auxiliary Beacon Kit

Image shows: part numbers 962999, 963000, 963001.





## Cylinder Options

Honeywell has a wide variety of cylinder options to suit your department's requirements. Three designs of our carbon fiber cylinders—Standard, Flames and Maltese Cross—provide varied looks for the Honeywell TITAN SCBA.



Standard

Flames

Maltese Cross

Custom

## Cylinder Availability Matrix

### Carbon-wrapped — Lightweight Cylinders

Cylinder Graphic	30 min	4500 PSIG		2216 PSIG
		45 min	60 min	30 min (std cylinder)
Standard	●	●	●	●
Flames	●	●	●	●
Maltese Cross	●	●	●	●

### Carbon-wrapped — Extended-life 30-year\* Cylinders

Cylinder Graphic	30 min	4500 PSIG		2216 PSIG
		45 min	60 min**	30 min
Standard	●	●	●	○
Flames	●	●	●	○
Maltese Cross	●	●	●	○

### Aluminum Cylinders

Cylinder Graphic	30 min	4500 PSIG		2216 PSIG
		45 min	60 min**	30 min
Standard	○	○	○	●
White with Honeywell Logo				

● - Available ○ - Not Available

\* Extended-life cylinders are designed for up to 30 years of service with 5-year requalification periods beginning at year 15 through year 25.

\*\* The 60-minute extended-life cylinder is not available for the Honeywell TITAN SCBA with an escape belt.

## CN/CS/WMD Adapter and APR Adapter

Both the Honeywell CN/CS/WMD and APR adapters provide respiratory protection to the user without requiring a change of facepieces. Both adapters attach to the Twenty/20+ 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 (when known to be non-IDLH) and other non-IDLH environments

### 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)



# RESCUE



## Spectacle (Vision) Kits

Spectacle kits allow anyone wearing a full facepiece respirator to use prescription eyeglasses inside the facepiece without compromising the seal. Honeywell offers two solutions:

**962260 Standard** Traditional metal-framed eyeglasses that fit inside the Twenty/20+ facepiece

**964044 NexSpex** A plastic frame that can be removed from the Twenty/20+ facepiece and be attached with elastic straps to the user's head

## Buddy Breather (EBSS)

The Honeywell TITAN 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, 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.

**X921208** Installed Buddy Breather, Over-the-Shoulder (Dual Fitting)

**X966855** Installed Buddy Breather Quick-release Pouch (requires installed P/N 975557)

## Utility D-rings

Convenient optional D-rings are 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. Honeywell also offers sliding D-rings on the lower shoulder straps, allowing these D-rings to be adjusted to the user's height of preference.

**X975465R** Installed Utility D-ring, Right

**X975465L** Installed Utility D-ring, Left

**X975575R** Installed Utility D-ring, Right, Large

**X975575L** Installed Utility D-ring, Left, Large

**966858R** Installed Sliding D-ring, Right

**966858L** Installed Sliding D-ring, Left

## Chest Strap

The chest strap provides an extra measure of upper harness security for those who prefer it.

**X975470** Installed Chest Strap

## Rapid Intervention Team (RIT) 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 feet of intermediate pressure hose with female/male and RIC/UAC fittings to connect to a downed fire fighter's pneumatics. An integrated rope pouch accommodates up to 150 feet of 8-mm rope. The bag is made from ballistic nylon with Kevlar® seams and straps for added strength. The RIT Kit includes a 10-foot intermediate pressure hose with a double shutoff male fitting and an older-style female and double male adapter, plus a 10-foot 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- & 2013-compliant TITAN SCBAs

**978605** Same as 968970, but with Red Bag

**964619** Optional Tool Pouch

**964618** Spare Pelican Flashlight

## Transfill Hose

The transfill hose allows for quick transfer of air between SCBAs, and between SCBA and fill station, without having to remove the cylinder. This can also be accomplished in IDLH atmospheres.

**X930194** Transfill Hose and Carrying Pouch





**PROTECTING YOU  
EVERY STEP OF  
THE WAY**



# THE ADVANTAGE OF HONEYWELL

## WORLD CLASS

Jet engines, thermostats and SCBAs seem worlds apart, but they're all products engineered and manufactured by Honeywell.

A trusted American company for over 125 years, Honeywell offers best-in-class products in a variety of businesses.

- Aerospace products that are utilized by virtually every spacecraft and commercial or military aircraft with flight management and landing systems
- Control systems with sophisticated energy management, building and plant control systems, and fire alarm systems and gas detection
- Specialty materials from petroleum products to environmentally friendlier refrigerants to materials that go into bullet-resistant vests
- Automotive turbochargers for vehicles of all types including those powered by gasoline, diesel, CNG, and hybrid fuel systems
- Personal protective equipment such as Morning Pride turnout gear, Uvex eye protection... and now the Honeywell TITAN SCBA

Honeywell...  
A great American company...  
A great American brand...  
and a great SCBA

Every Honeywell TITAN SCBA system is made in the U.S.A. This is something we are very proud of.

## SIX SIGMA

At Honeywell, Six Sigma is a critical strategy to improve productivity and quality of products such as the TITAN SCBA. Six Sigma is a way for Honeywell to accelerate improvements in processes, products, and services, and to radically reduce manufacturing time and improve quality. These outcomes are achieved by relentlessly focusing on eliminating waste and reducing defects.

Six Sigma is the foundation to drive sustainable improvements in our operations, which generates exceptional performance in safety, quality, delivery, and inventory. It is one of Honeywell's principal engines for driving growth and productivity in all its businesses. In addition to manufacturing, Honeywell applies Six Sigma to its administrative functions.

Some of the everyday approaches Honeywell employees take with Six Sigma in mind include:

- Do it right the first time and eliminate non-value-added steps.
- Most importantly, focus on customer satisfaction, first to understand their needs and then to delight them by exceeding expectations.



**Honeywell**

**BUNKERfire**  
& SAFETY

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