Respiratory Protection

Honeywell Respiratory Protection offers an extensive self-contained breathing apparatus (SCBA) product line to the Industrial market. Our products fit the needs and wants of virtually every application, situation and user.

Safety is our priority and comfort is a prerequisite.

Choosing an SCBA can be overwhelming. There are so many components, options, and configurations. Honeywell has made it easy for you to identify what product and components fit your needs the best.

Let's start by looking at the different components of an Industrial SCBA.

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Industrial SCBA Components

Harness/Backpack

Industrial Applications: Nylon

High Heat/Flashover: Nomex®/Kevlar®

Utility D-Ring Options: 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 user might need. Pull tested to over 1,000 lbs. of pull force with no deformation.

Chest Strap Options: Provides an extra measure of upper harness security for those who prefer it.

Cylinders

Pressure: Low Pressure (2216 psig) or High Pressure (4500 psig)

Duration: 30-minute, 45-minute or 60-minute rated air durations

Long duration cylinders reduce the need for frequent cylinder changes.

Type: Aluminum, Hoop-Wrapped Fiberglass, Fully Wrapped Carbon

Carbon fiber material reduces cylinder weight by 2 to 10 lbs. when compared to fiberglass-wrapped and aluminum cylinders.

Low Air Alarms

Choice of low air alarms: Bell, Plain Whistle, or Warbling Whistle

Choose the alarm most different from other noise/alarms in your work environment to eliminate any alarm confusion.

Air Management Indicators

Analog Gauge – Standard pressure indicator for all Industrial SCBAs (except HUD versions)

Heads-Up Display (HUD) – Standard visual in-mask LED pressure indicator with visual alarm.

Facepiece

Size: Small, Medium, Large

Harness Type: 5-pt. silicone headstrap or Kevlar® mesh headnet.

Neckstrap Option: Allows the facepiece to hang around neck while not in use.

Supplied Air (SAR) Attachment Option

Supplied Air Attachment can be added to any SCBA. In this case, the SCBA cylinder is used for escape while working, if a pressure demand supplied air line has been interrupted.

Buddy Breather Connection Option

A Buddy Breather gives the user the ability to share air with a rescuer "buddy" without having to disconnect the second stage regulator.

Carrying Case Options

Hard carrying case or soft carrying case is available.

Communications Options

To keep your team connected, Honeywell offers a choice of three best-in-class communications options.

- The Voice Amplification System (VAS) offers clear, local vicinity communication with push-to-talk or hands-free modes.

- The Hard-Wired Radio Communication System (RCS) offers clear communication using a wired interface cable.

- The CommCommand™ Wireless Radio Communication System (RCS) is a superior wireless system, utilizing a digital spread spectrum for crystal-clear wireless radio communication.

- 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 TwentyTwenty® Plus facepiece.

- Neither the VAS nor RCS obstructs the user's peripheral vision.

- Wired interface cables and wireless lapel mics are available for a large selection of common radio systems.

Personal Alert Safety System (PASS) Options

COMPASS™ Chest-Mounted Device – A highly accurate motion sensor alerts a "man down" situation.

DoublePASS™ – A unique, patented back-mounted alarm that can be clearly heard and seen if the wearer falls forward onto their primary PASS device.

ThermAlert™ – Heat alarm that sounds when exposure to heat over time matches a predetermined time-temperature curve.

Other Accessories

APR Adapter – Provides air purifying capability without having to change facepieces. Attaches to the TwentyTwenty® Plus facepiece in a matter of seconds and provides users with the versatility of using the SCBA facepiece as an APR facepiece.

Spectacles Kits – Allows anyone who uses a full facepiece respirator to use prescription eyeglasses inside the facepiece without compromising the seal. Honeywell offers two solutions.

- Standard – Offers traditional metal-framed eyeglasses that fit inside the TwentyTwenty Plus facepiece.

- NexSpex™ – Offers a plastic frame that can be removed from the TwentyTwenty Plus facepiece and attached to the user's head with elastic straps.

TwentyTwenty Plus Facepiece with Spectacles Kit

SAR Attachment

Communications Options

Voice Amplification System

CommCommand RCS

Every SCBA contains a variety of these components with different features and benefits. The next section will discuss the SCBA models available and the differences of each.

Honeywell has two main SCBA platforms for Industrial SCBAs, the Survivair Cougar™/Survivair Puma™ SCBA and the Survivair Panther® SCBA.

Survivair Cougar SCBA – Compliance/Standard Industrial Unit

The Survivair Cougar meets the demands of industrial users who want the finest respiratory protection against environments that are Immediately Dangerous to Life or Health (IDLH). The Survivair Cougar is designed to be a basic industrial unit, yet provides superior safety and comfort for industrial needs.

Feature	Benefit
TwentyTwenty Plus 5-pt. silicone headstrap or Kevlar mesh headnet option	Fits comfort and needs of user. Kevlar headnet option fits well under hard hats.
Second Stage Air Klic fastening system	First-breath on; allows attachment in any orientation; regulator holder on waist strap.
Mighty-Light® backpack	Lightweight, easy to use, comfortable. No tools required for easy maintenance.
Choice of 3 low air alarms	Bell, Plain Whistle, Warbling Whistle.
Supplied Air Attachment option	Allows air to be supplied from a remote source. Long duration escape cylinder.
Communications options	Clear and audible communication for noisy environments. Includes voice amp and hard wired radio systems.
Configurable with added options	Buddy Breather, HUD.

Survivair Puma – Compliance/Standard Industrial Unit

The Survivair Puma (based on the Survivair Cougar platform) is a NIOSH-certified, OSHA-compliant, hooded pressure demand SCBA designed for users with street glasses or facial configurations that are hard to fit with a conventional facepiece.

Survivair Panther (1997-Style) – Mid Tier Unit

The Survivair Panther (1997-Style) is a mid-tier industrial SCBA designed for users requiring a NIOSH-certified SCBA for high-heat, flashover or non-fire-related applications. Offered with upgradable options such as communication systems, supplied air attachment, COMPASS™ PASS device and welding options.
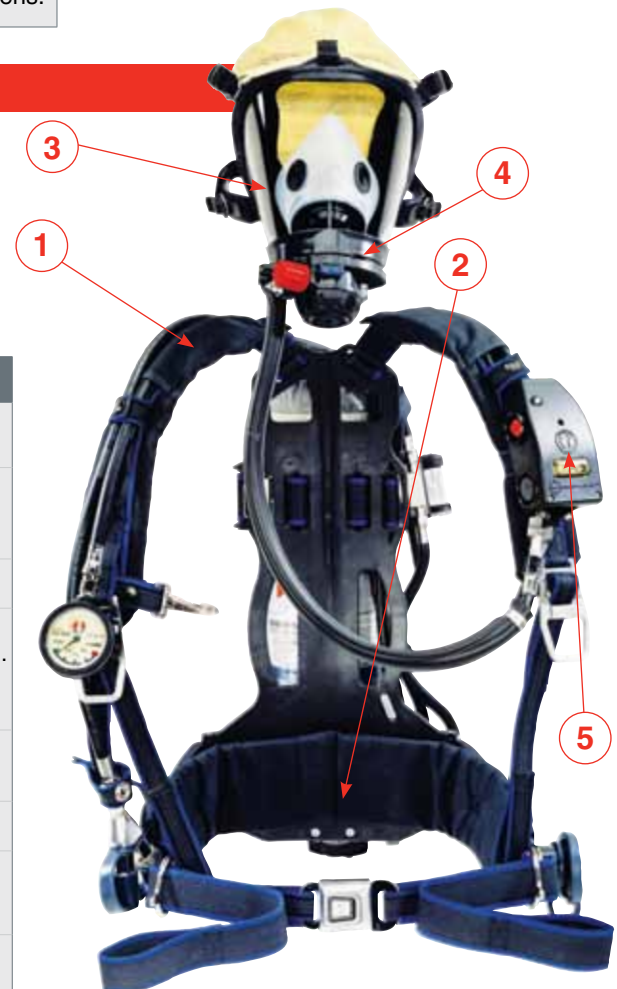
Feature	Benefit
High-heat and flashover Industrial unit	Provides protection from these unforeseen circumstances in the industrial market.
Mighty-Light backpack with lumbar pad	Lightweight, easy to use, comfortable. Lumbar pad for added back support. No tools required for easy maintenance.
TwentyTwenty Plus or Classic facepiece	Silicone Strap, Kevlar mesh headnet or Classic Silicone.
Choice of 3 low air alarms	Bell, Plain Whistle, Warbling Whistle.
Communications options	Clear and audible communication for noisy environments. Includes voice amp and hard wired radio systems.
Supplied Air Attachment option	Allows air to be supplied from a remote source. Long duration escape cylinder.
Welding Shield option for Classic facepiece	Easily attaches without the use of tools. Choice of auto darkening 9-12 shade or fixed 10 shade lens.

Survivair Panther HUD (2002-Style) – Premium Unit

The Survivair Panther HUD (2002-style) is a premium industrial SCBA designed for users requiring a NIOSH-certified SCBA for industrial high-heat, flashover or non-fire-related applications with standard Heads-Up Display and RIC/UAC.

Added upgrades can be chosen on the Panther HUD as well, such as communication systems, supplied air attachment, COMPASS PASS device and analog pressure gauge options.

Feature	Benefit
High-heat and flashover Industrial unit	Provides protection from these unforeseen circumstances in the industrial market.
Mighty-Light backpack with lumbar pad	Lightweight, easy to use, comfortable. Lumbar pad for added back support. No tools required for easy maintenance.
TwentyTwenty Plus	Silicone strap or Kevlar mesh headnet.
Heads-Up-Display standard	Wide-span LED-style display offers "gas gauge" style reading for easy differentiation. 100%, 75%, 50%, 25%, and 10% visual indicators.
COMPASS Integrated PASS Device optional	Easy locating in "man down" situation.
Choice of 3 low air alarms	Bell, Plain Whistle, Warbling Whistle.
Rapid Intervention Crew Universal Air connection standard (RIC/UAC)	Quick refilling of cylinders from a RIT Kit air supply.
Communications options	Clear and audible communication for noisy environments; includes voice amp and hard-wired radio systems.
Supplied Air Attachment option	Allows air to be supplied from a remote source. Long duration escape cylinder.

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How to Order a Honeywell Survivair® SCBA

Honeywell offers pre-configured and stocked SCBAs for ease of ordering. Honeywell SCBAs may also be custom configured to fit your application and needs.

Survivair Cougar SCBA

Survivair Puma™ SCBA

Survivair Panther (1997 Style) SCBA

Survivair Cougar SCBA – Compliance/Standard Industrial Unit

888888 – Compliance Industrial SCBA – Low Pressure, 30-Minute Survivair® Cougar SCBA (stocked item).

Survivair Cougar 2216 psig, TwentyTwenty Plus medium facepiece, bell alarm, 2216 psig 30-minute aluminum cylinder without locking collar.

555555 – Compliance Industrial SCBA – High Pressure, 60-Minute Survivair Cougar SCBA (stocked item).

Survivair Cougar 4500 psig, TwentyTwenty Plus medium facepiece, bell alarm, 4500 psig 60-minute carbon cylinder without locking collar.

481121 – Compliance Industrial SCBA – Low Pressure, 30-minute SCBA with SAR (stocked item).

Survivair Cougar 2216 psig, TwentyTwenty Plus medium facepiece, bell alarm, 2216 psig 30-minute aluminum cylinder without locking collar, SAR attachment with Hansen Couplings carrying case.

483121 – Standard Industrial SCBA with SAR – Low Pressure, 30-Minute Survivair Cougar SCBA.

Survivair Cougar 2216 psig, TwentyTwenty Plus medium facepiece, bell alarm, 2216 psig 30-minute carbon cylinder without locking collar, SAR attachment with Hansen couplings, carrying case.

486121 – Standard Industrial SCBA with SAR – High Pressure, 30-Minute Survivair Cougar SCBA.

Survivair Cougar 4500 psig, TwentyTwenty Plus medium facepiece, bell alarm, 4500 psig 30-minute carbon cylinder without locking collar, SAR attachment with Hansen couplings, carrying case.

Survivair Puma SCBA – Compliance/Standard Industrial Unit

777777 – Compliance Industrial SCBA – Low Pressure, 30-Minute Survivair Puma SCBA (stocked item).

Survivair Puma 2216 psig, Survivair Puma hood with medium nose cup, plain whistle alarm, 2216 psig 30-minute aluminum cylinder without locking collar.

471281 – Compliance Industrial SCBA – Low Pressure, 30-Minute Puma SCBA.

Survivair Puma 2216 psig, Survivair Puma hood with medium nose cup, plain whistle alarm, 2216 psig 30-minute aluminum cylinder without locking collar, SAR attachment with Hansen couplings, carrying case.

476281 – Standard Industrial SCBA with SAR – High Pressure, 30-Minute Survivair Puma SCBA.

Survivair Puma 4500 psig, Survivair Puma hood with medium nose cup, plain whistle alarm, 4500 psig 30-minute carbon cylinder without locking collar, SAR attachment with Hansen couplings, carrying case.

Survivair Panther SCBA – Mid/Premium Industrial Unit

491121 – Mid-Tier Industrial SCBA – Low Pressure, 30-Minute SCBA.

1997-style Panther 2216 psig, TwentyTwenty Plus medium facepiece, bell alarm, 2216 psig 30-minute aluminum cylinder without locking collar, SAR attachment with Hansen couplings, carrying case.

493121 – Mid-Tier Industrial SCBA with SAR – Low Pressure, 30-Minute SCBA.

Survivair 1997-style Panther 2216 psig, TwentyTwenty Plus medium facepiece, bell alarm, 2216 psig 30-minute carbon cylinder without locking collar, SAR attachment with Hansen couplings, carrying case.

499121 – Mid-Tier Industrial SCBA with SAR – High Pressure, 60-Minute SCBA.

Survivair 1997-style Panther 4500 psig, TwentyTwenty Plus medium facepiece, bell alarm, 4500 psig 60-minute carbon cylinder without locking collar, SAR attachment with Hansen couplings, carrying case.

496324 – Premium Industrial SCBA with HUD and SAR – High Pressure, 30-Minute SCBA.

Survivair 2002-style Panther 4500 psig, TwentyTwenty Plus medium facepiece, warbling whistle, 4500 psig 30-minute carbon cylinder without locking collar, HUD, analog gauge, SAR/buddy breather dual port attachment with Hansen couplings, chest strap, left and right D-rings, carrying case.

Decision logic to configure a Honeywell SCBA

Refer to the Honeywell Selection and Ordering Guide for specific part numbers or contact your local Honeywell Safety Products representative for assistance.

1 Select SCBA Platform
- Survivair Cougar SCBA – Compliance/Standard Industrial SCBA
- Survivair Puma SCBA – Compliance/Standard Hood Industrial SCBA
- Survivair Panther (1997-Style) – Mid-Tier Industrial SCBA
- Survivair Panther HUD (2002-Style) – Premium Industrial SCBA

2 Select the System Pressure
- Low Pressure
- High Pressure

3 Select Alarm Type
- Bell
- Plain Whistle
- Warbling Whistle

4 Select Cylinder Type and Duration (pressure is determined by what system pressure was chosen)
- High Pressure or Low Pressure
- Aluminum, Hoop-Wrapped Fiberglass or Fully Wrapped Carbon
- 30-Minute
- 45-Minute (only available in high pressure)
- 60-Minute (only available in high pressure)

5 Select Facepiece
- Small, Medium, Large
- 5-pt. silicone headstrap or Kevlar mesh headnet

Select Options if Desired

6 Harness Options
- Chest Strap
- Utility D-Rings

Supplied Air (SAR)/ Buddy Breather Attachment
- Single Port (SAR/Buddy Breathing Connection – CANNOT be used simultaneously)
- Dual Port (SAR/Buddy Breathing Connection – both can be used simultaneously)

PASS (Personal Alert Safety System)
- COMPASS
- DoublePASS
- ThermAlert Heat Alarm

Communication Systems
- Voice Amplification System (VAS)
- Hard-Wired Radio Communication System (RCS)
- CommCommand™ Wireless Radio Communication System (RCS)

Carrying Case
- Black hard case

7 Select Spare Cylinders
- Choose type and duration

8 General Facepiece Accessories
- APR Adapter
- Spectacles Kit

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