

SURVIVAIR® Panther®



SURVIVAIR®

Safe. Secure. SURVIVAIR.™

Strong Protection Firefighters Can Count On.

In your profession, on-the-job protection you can count on is the first thing you need to do your job. And it's the last thing you have time to think about when you respond to a fire emergency. That's why you need the strongest breed of SCBA you can buy—the SURVIVAIR Panther.

When we designed the SURVIVAIR Panther SCBA, we had one primary objective. What could we do to help take some of the risk out of your job? After consulting with hundreds of firefighters like you, we created the strongest, most rugged SCBA we could, with dozens of function and fit features that have made the SURVIVAIR Panther one of the leading SCBAs in the industry.



Now with HUD and RIC UAC!

The rugged and durable SURVIVAIR Panther SCBA provides dependable protection with incomparable comfort. Now with a reliable, wired Heads-Up Display (HUD) and Rapid Intervention Crew/Company Universal Air Connection (RIC UAC), the SURVIVAIR Panther* provides the most advanced protection available in a self-contained breathing apparatus. Plus, no other SCBA manufacturer offers a wider range of accessories and options than SURVIVAIR. So you can customize your Panther SCBA by choosing those features that meet your individual needs and preferences.

To give you even more peace of mind, the SURVIVAIR Panther is backed by an industry-best 12-year warranty, with a 15-year warranty on the cylinder and a lifetime warranty on the first stage regulator.

*NIOSH 42 CFR 84 and NFPA 1981 (2002 Edition) certified.

SURVIVAIR Panther —



HUD outside view



HUD inside view

External 25% and 10% low air alarm to alert others of a low air condition.

Photodiode to sense ambient light conditions and dim or brighten the LEDs accordingly.

LEDs that indicate cylinder pressure continuously.

LED flashes green for 50% low air alarm.

LED flashes red for 25% low air alarm and flashes red faster for 10% low air alarm.



HUD regulator

Amber low battery visual alarm that alerts user when at least 8 hours of battery life remain.



RIC UAC

Transducer module

Battery compartment for 2/3-A lithium battery.



Amber battery status indicator.

The Strongest Breed of SCBA

TwentyTwenty® Plus™ Facepiece

FEATURES

- Skirt made of surgical grade silicone

BENEFITS

- Soft, pliable, and extremely comfortable
- Superior fit for most types of facial configurations
- Rugged, durable
- Does not soften, melt, or burn in high heat or direct flame
- Does not stiffen or become brittle in cold
- 540% elongation before breaking
- Does not react with ozone
- Wide range of chemical resistance

- Lens made of hard-coated polycarbonate

- Durable; resists scratching

- Rims, nozzle cover, and Air Klic™ made of super-tough, space-age plastic

- Able to withstand drop of 30 feet onto concrete without breaking

- Exhalation valve in facepiece

- Two separate paths for inhalation and exhalation; virtually eliminates cross-contamination issues
- Low exhalation breathing resistance for comfortable breathing

- Kapton® speaking diaphragm

- Effective local voice transmission

- Multiple skirt and nose cup sizes (small, medium, and large)

- Easily fits most facial configurations

- Choice of head harness (silicone headstrap or mesh style Kevlar® Headnet™)

- Can satisfy individual's personal preference

- Choice of skirt colors

- Able to differentiate facepiece sizes by color coding

- Flash hood anchor point molded into nozzle cover

- Helps keep flash hoods from migrating around the facepiece

MightyLight® Backpack

FEATURES

- Backplate made of fiberglass-filled nylon; harness material made of a blend of Kevlar and Nomex®

BENEFITS

- Ergonomically designed; comfortable
- Strong, yet one of lightest backpacks on market
- Heat- and flame-resistant
- Weight carried on hips, not shoulders

- Shoulder and hip pads

- Comfortable cushioning
- Weight spread over more surface area for better weight distribution

- WedgeLock™ fastening system

- Simple, effective method of attaching harness to backplate without metal fasteners

- Parachute buckles on shoulder straps; pull-forward waist straps with automotive-style metal seat belt buckle

- Easy adjustment of backpack to individual's body

- Adjustable cylinder band with cam lock

- Cylinder tightly secured, yet easily and quickly changed

First Stage Pressure Reducer

FEATURES

- Piston and spring fail-safe design

BENEFITS

- Simple, reliable, with very few parts; does not require adjustment

- Choice of audible alarms (bell, plain whistle, or warbling whistle)

- Can satisfy a variety of personal preferences

- Rapid Intervention Crew/Company Universal Air Connection (RIC UAC)

- Satisfies NFPA 1981 requirement for fitting to enable quick cylinder filling for rapid intervention

- Attaches directly to cylinder valve via CGA connection

- Eliminates potential safety hazard of high pressure, high volume hose

Second Stage Regulator

FEATURES

- Pilot valve

BENEFITS

- Simple, reliable, few moving parts for less maintenance
- Makes second stage regulator compact and light

- Air Klic fastening system

- Easy, quick attachment of regulator to facepiece without indexing

- First-Breath-On (FBO) mechanism

- Automatically activates at user's first breath; shutoff button provided to reset FBO and stop air flow when no longer in use

- Made of super-tough, space-age plastic

- Able to withstand drop of 30 feet onto concrete without breaking

Heads-Up Display (HUD)

FEATURES

- Hard-wired system

BENEFITS

- Reliable; eliminates potential problems associated with wireless systems

- Single battery (2/3-A lithium) in back-mounted transducer module (TM)

- Long life—minimum of one year using the SCBA for 30 minutes each day

- Battery status indicator on TM

- Less hassle and expense; easily accessible

- Allows user to know battery status before activating the SCBA

- Display module (DM) on second stage regulator with series of colored LEDs

- Cylinder pressure status continuously displayed and easily seen by user at any time without requiring manual override

- Display protected from environment

- Wide-span, "gas gauge" style display allows easily differentiated readings

- 50%, 25%, and 10% low air visual alarms

- Informs user of important milestones

- Photodiode

- Senses ambient light conditions and automatically dims or brightens display so that LED intensity is sufficient but not distracting

- External low air visual alarm

- Alerts others to user's 25% and 10% low air alarm status

- Visual low battery indicator

- Alerts user to low battery condition while SCBA is in use

Accessories

FEATURES

- Many options available, such as voice amplification, radio communications, integrated PASS device, back-mounted remote alarm module for integrated PASS device, buddy breather, auxiliary coupling for rapid intervention "daisy chaining," supplied air attachment, Smoke Eater™ escape canister, and more

BENEFITS

- Allows user to customize by adding features that meet individual needs

SURVIVAIR
Panther SCBA



- 1** Kevlar® Headnet™. Also available with silicone headstrap.
- 2** TwentyTwenty Plus silicone facepiece available in three sizes.
- 3** Nose cup available in three sizes.
- 4** Heads-Up Display with continuous pressure readings and 3 low air alarms.
- 5** Second stage regulator attaches to and detaches from facepiece quickly and easily.
- 6** Optional COMPASS® integrated PASS device.
- 7** Silicone extrusion protects pneumatic hose and electronic cable.
- 8** Optional analog pressure gauge.
- 9** Carrying handles for easy transporting.
- 10** Optional dual fitting that allows buddy breathing without regulator disconnection.
- 11** Hip pad for maximum comfort.
- 12** Regulator holder to store regulator in standby mode.

Panther SCBA
side view



PANTHER SPECIFICATIONS

Type of Unit	Open-circuit, positive-pressure, self-contained breathing apparatus, certified as compliant with NFPA 1981, 2002 Edition
Duration	Certified by NIOSH to provide a nominal service time of 30, 45, or 60 minutes
Apparatus Weight (Fully Charged)	30-minute—18 to 30 lb. 45-minute—23 to 28 lb. 60-minute—28 to 34 lb.
Cylinder Pressure	2216 psig, 3000 psig, or 4500 psig
Cylinder Capacity	30-minute (2216/4500 psig)—45 cubic ft 30-minute (3000 psig)—60 cubic ft 45-minute (4500 psig)—66 cubic ft 60-minute (4500 psig)—87 cubic ft
Stretch Properties of Facepiece	Silicone—540% elongation before breaking
Rating of Backpack Harness	Nomex/Kevlar manufacturer-rated to +700° F
Flow Rate of Breathing System	550 lpm
Airflow Performance (moderate work rate)	Standard NIOSH test—40 lpm NFPA test—100 lpm (high work rate)
First Stage Regulator	Reduces from tank pressure to 90-140 psig
Second Stage Regulator	Reduces pressure from 100 psig to 0.045 ± 0.009 psig
Facepiece Lens	Polycarbonate with super-resistant, hard anti-scratch coating. (Anti-fog solution available: SURVIVAIR Part # 951015 or 951016.)
Hydrostatic Test Requirements	3 years, 15-year life (fiberglass) 5 years, 15-year life (carbon) 5 years, unlimited life (aluminum)
Overhaul Cycle	6 years
Warranty Period	12 years for the Panther SCBA 15 years on the cylinder Lifetime on the first stage regulator 3 years on COMPASS® and DoublePASS™ 2 years on the Heads-Up Display 1 year on communication accessories

PANTHER ACCESSORIES

PART #	DESCRIPTION
951015/951016	Anti-Fog Solution: 1 oz./16 oz.
962900	APR Adapter/Qualitative Fit Test Adapter
965110	Buddy Breathing Kit, Over-the-Shoulder (Dual Fitting)
965119	Buddy Breathing Kit, Over-the-Shoulder (Dual Fitting), with SAR Check Valve
983867	Carrying Case
960123	Check Valve (SAR) for SCBAs without COMPASS
962854	Check Valve (SAR) for SCBAs with COMPASS
968670	Chest Strap Kit
968617	Chest Strap Shoulder Strap Attachments Only (with Rings, without Chest Strap)
960150	CN/CS Adapter

PANTHER ACCESSORIES CONTINUED

PART #	DESCRIPTION
963700	COMPASS Kit
963704	COMPASS Kit with Auxiliary Coupler (for RIT)
963705	COMPASS Kit with Auxiliary Coupler (for SAR or RIT), SAR Check Valve, and SAR Attachment
962700	DoublePASS Kit
B140096	Facepiece Cleaner (Box/100 each)
140082	Facepiece Cleaner (Canister/220 each)
964170	Facepiece Modification Kit for SmallTalk® Plus
960038	Headnet Kit, TwentyTwenty Plus Facepiece
962869	Neck Strap Kit for TwentyTwenty Plus Facepiece
930429	Plug, Foster (for SAR Attachment)
930466	Plug, Hansen (for SAR Attachment)
945011	Plug, Hansen Stainless Steel (for SAR Attachment)
930433	Plug, Schrader (for SAR Attachment)
980642	Pressure Gauge, 2216 psig (Analog), Chest-Mounted
980643	Pressure Gauge, 3000 psig (Analog), Chest-Mounted
980641	Pressure Gauge, 4500 psig (Analog), Chest-Mounted
946935	Protective Cylinder Sleeve, 30-Minute (2216 psig), Hoop-Wrapped
946937	Protective Cylinder Sleeve, 30-Minute (4500 psig), Hoop-Wrapped
941256	Protective Cylinder Sleeve, 30-Minute (2216 psig), Fully Wrapped Carbon
941257	Protective Cylinder Sleeve, 30-Minute (3000 psig), Fully Wrapped Carbon
941258	Protective Cylinder Sleeve, 30-Minute (4500 psig), Fully Wrapped Carbon
941259	Protective Cylinder Sleeve, 45-Minute (4500 psig), Fully Wrapped Carbon
941261	Protective Cylinder Sleeve, 60-Minute (4500 psig), Fully Wrapped Carbon
962920	Quantitative Fit Test Adapter
964171	Radio Communication System Kit, TwentyTwenty Plus
964173	Radio Communication System Kit with SmallTalk Plus (Combo), TwentyTwenty Plus
964165	Remote Push-to-Talk (RPTT) Kit
965122	SAR Attachment Kit for Over-the-Shoulder Buddy Breather with Check Valve (requires installed P/N 965119)
966060	SCBA Gear Bag
964172	SmallTalk Plus Voice Amplification System Kit
963071	SmallTalk Plus Voice Amplifier Module Only
968707	Smoke Eater Carrying Pouch
964980	Smoke Eater Escape Filter Canister
964985	Smoke Eater Training Canister
962260	Spectacles Kit
980200	Suit Pass-Through Kit
P995645	Training Tape (VHS)
968950	UAC Rapid Intervention Kit
968970	Universal UAC Rapid Intervention Kit
964869	Utility D-ring

Nomex and Kevlar are registered trademarks of Dupont. SURVIVAIR is a registered trademark of Bacou-Dalloz. All other trademarks or registered trademarks are the property of SURVIVAIR. © 2003 SURVIVAIR P/N 670013 ver 3 03/03 RPI



DISTRIBUTOR SERVICE CENTER



2233 NW 23rd Ave. • Portland, OR • 97210 • USA • Tel 503.226.0582 • 877.226.0582 • Fax 503.226.0988 • sales@certifiedairsafety.com • www.certifiedairsafety.com