

Optimair® TL Powered Respirator

NIOSH-approved PAPR for loose-fitting hoods, loose-fitting respirators, and tight-fitting facepieces protects against particulates, toxic gases and vapours, or a combination. Smart features set flow rates automatically via built-in sensors.



ITEM#	Optimair TL Kit
RP-10081116	Contains blower unit, battery pack, charger, hose for hood, belt, instructions. Hood and cartridges sold separately

ITEM#	Cartridges
RP-10080455	Cartridge, HE (hi-efficiency), (6 pack)
RP-10080454	Combination Cartridge (OV/AG/HE), (6 pack)
RP-10080456	Combination Cartridge (AG/AM/FM/HE), (effective against OV), (6-pack)
RP-10068152	Spark and water protective cover, cartridge (single unit) (two required)

ITEM#	Hood and Hood Accessories
RP-10083329	Tyvek QC Hood, single bib *
RP-10083330	Tyvek QC Hood, double bib *
RP-10083381	Tyvek SL Hood, single bib *
RP-10083382	Tyvek SL Hood, double bib *
RP-10083383	Tyvek QC Hood, single bib **
RP-10083384	Tyvek QC Hood, double bib **
RP-10083385	Tyvek SL Hood, single bib **
RP-10083386	Tyvek SL Hood, double bib **
RP-10086926	Tyvek QC Hood, single bib, threaded connector, yellow, (4 pack)
RP-10086925	Tyvek QC Hood, double bib, threaded connector, yellow, (4 pack)
RP-10089665	Fastener kit, Velcro, Hood-to-Vgard cap
RP-10083843	Hose Clamp for standard hood, (pack of 6)
RP-10049631	Hose, Hood
RP-10082441	Cover lens, hood, (pack of 10)
RP-10078469	Suspension only, with sweatband Tyvek Hood
RP-10083618	Sweatband, hood suspension, (pack of 10)
RP-10087130	Flow check device, hood (early 2008)

* threaded connector, with suspension (4 pack)

** standard, with suspension (4 pack)



ITEM#	Misc. Accessories
RP-10085084	"O" ring replacement, all hoses, pack of 10
RP-10076108	Battery, standard, Optimair TL
RP-10076110	Charger, standard battery, Optimair TL
RP-10075799	Decon Cover, Optimair TL, clear, (pack of 5)
RP-10049623	Comfort Belt
RP-10088150	OptimAir TL Blower Unit only
RP-10081414	Cover, Cartridge receptacle

**9200 Series Low Pressure Systems:
 Full and Half Mask Systems**


A portable, light weight air source for one, two, or three workers. Offered with one to three comfortable, supplied air respirators, a 1/4 hp ambient air pump, 3/4 hp pump, or 1 1/2 hp pump, and a 50' or 100' breathing air hose.



ITEM#	Full Mask Systems	ITEM#	Half Mask Systems
RP-9200-01	One worker; 50' hose	RP-9205-01	One worker; 50' hose
RP-9200-02	Two worker; 50' hose	RP-9205-02	Two worker; 50' hose
RP-9200-03	Three worker; 50' hose	RP-9205-03	Three worker; 50' hose
RP-9210-01	One worker; 100' hose	RP-9215-01	One worker; 100' hose
RP-9210-02	Two worker; 100' hose	RP-9215-02	Two worker; 100' hose
RP-9210-03	Three worker; 100' hose	RP-9215-03	Three worker; 100' hose

**9200 Series Low Pressure Systems:
 Tyvek Supplied Air Hood Systems**


In areas such as painting or asbestos abatement where levels of contamination are low, these complete SAR systems offer a portable air source for one or two workers. They include disposable, lightweight, loose-fitting Dupont Tyvek hoods, a 3/4 hp ambient air pump or 1 1/2 hp pump and a 50' or 100' breathing air hose.



ITEM#	Description	ITEM#	Description
RP-9220-01	One worker; 50' hose	RP-9230-01	One worker; 100' hose
RP-9220-02	Two worker; 50' hose	RP-9230-02	Two worker; 100' Hose

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WEBSITE: www.internationalsafety.com



05-13

RESPIRATORY PROTECTION



AirBoss® PSS100 Plus

This high-performance breathing apparatus is designed to shift the weight of the unit from the shoulders to the hips to reduce back strain and increase stability. The unit is also designed to move with the wearer, both vertically and horizontally. This additional flexibility allows the wearer to work more effectively for longer periods of time, with less fatigue. The revolutionary adjustable 3-position back plate gives the wearer a means to achieve the perfect fit for any torso length. Ideal for the professional firefighter.

Features

- Fully adjustable 3-position ergonomic backplate and harness suspension system
- Lightweight, robust carbon composite back plate on both models
- Fail-safe first stage reducer
- LDV Plus delivers >550 l/m
- Easy to use doffing switch on LDV
- Panorama Nova Mask as standard
- Hardened, waterproof electronics to meet NFPA 2007 edition standards
- Multi-Link auxiliary airline system available in 20" or 40" lengths
- Optional communication system available
- Mechanical gauge

Approvals

- NIOSH CFR 42, Part 84, Sub Part H
- NFPA 1981 2007 Edition
- NIOSH CBRN
- UL 913, Class I Groups C and D, Class II Groups E, F, and G
- CSA – C22.2, No. 157-92

Note: Other configurations available



ITEM#	Description
RP-4047053	AirBoss® PSS100 Plus; 45/30 minute cylinder; with buddy breather
RP-4047044	AirBoss® PSS100 Plus; 45/45 minute cylinder; without buddy breather
RP-4046153	AirBoss® PSS100 Plus; no cylinder; with buddy breather

**For Respirator
Fit Testing**

equipment, see page **01-24**
For service details, see page **3**

**Chemical
Protective Suit**

compatible with ProAir® Evolution SCBA available
See page 04-9



ProAir® Evolution SCBA

This high performance industrial breathing apparatus is designed for use by individuals who require protection from respiratory hazards in the workplace.

- NIOSH-certified.
- Reliable, low maintenance, and comfortable.
- Can be customized to meet your specific needs.

Note: Other configurations available

Technical Data

Operating Temperatures: -32°C to 70°C / -25°F to 160°F

**Lung Demand Valve Mask Mounted Regulator
(2nd stage pressure reducer):**

Flow Rate	>550 lpm
Activation	by first breath
Bypass	Press or turn to lock
Connection	Positive lock plug-in

First stage pressure reducer:

Flow Rate	> 1000 lpm
Medium Pressure	90 - 130 psi

Dimensions: 24.5" L x 12.5" W x 6.0" H (less cylinder)
62 cm L x 32 cm W x 15 cm H (less cylinder)

Warning Whistle: > 90 dBA
Non-aspirating
Chest mounted



ITEM#	Description
RP-4055399	ProAir® Evolution SCBA, 2216 psig/30 min. Aluminum 28.8 lbs (13.1 kg)
RP-4055737	ProAir® Evolution SCBA, 4500 psig/45 min. Carbon 21.3 lbs (9.7 kg)
RP-4055740	ProAir® Evolution SCBA complete with 4500 PSI, 60 minute carbon cylinder with Panorama Nova EPDM face piece; comes with 12" Buddy Breather with female CEJN



AirHawk® MMR Air Mask (SCBA)

Designed with the industrial user in mind and employing the latest in engineering advancements, and incorporates the latest technologies available for industrial, agricultural, HazMat and HVAC work. The AirHawk® MMR Air Mask will perform wherever fire fighting compliance to NFPA 1981 is not required.

The FireHawk PTC (Push-To-Connect) regulator with swivel and solid cover easily and securely attaches to your face piece.

Contact customer service to create your custom part number when ordering.



SCBA Type	Carrier/ Harness	Pad Options
AL Airhawk MMR (2216 psig)	A Nylon without chest strap B Nylon with chest strap	0. None 1. Shoulder pad
AH Airhawk MMR (4500 psig)	C Kevlar without chest strap D Kevlar with chest strap	2. Lumbar pad 3. Shoulder pad and lumbar pad 4. Swiveling lumbar pad 5. Swiveling lumbar pad and shoulder pad

Cylinder (for Airhawk MMR, 2216 psig)*	Cylinder (for Airhawk MMR, 4500 psig)*
0. None 1. 3AL aluminum 2. Hoop-wound 3. 30' Stealth	0. None 1. 30' Stealth 2. 45' Stealth, low profile 3. 60' Stealth

*Note: Specify pressure required, only one option can be chosen

Airline Option	Ultra Elite Face-piece	Nosecup	Head Har-ness	PASS	Case
0. None 1. Snap-Tite aluminum 2. Hansen SST 3. Hansen brass 4. Foster steel 5. Snap-Tite locking aluminum	A None B Hycar, small C Hycar, medium D Hycar, large E Silicone, small F Silicone, medium G Silicone, large	0. None 1. Medium 2. Large	0. None 1. Rubber 2. Speed-ON	0. Gauge 1. ICM 2000 with heat 2. ICM 2000 Plus with heat	0. None 1. Hard Case 2. Soft Case

CUSTOM ITEM#

RP-B-(SCBA type)-(carrier/ harness)-(pad option)-(cylinder)-G-(airline option)-(facepiece)-(nosecup)-(head harness)-(PASS)-(case)

Stealth® Cylinders

Carbon-wrapped cylinders feature a unique outerwrap made of lightweight, high-performance carbon fibers, which reduces cylinder weight in comparison to aluminum cylinders. Various cylinder models are available to accommodate a wide range of applications.



ITEM#	Cylinder Type/ Valve	NIOSH Rating	Pressure (psig)	Weight (empty)
RP-809872	Aluminum	30 minute	2216 psig	18 lbs.
RP-807570	Stealth H-45, carbon-wrapped	45 minute	4500 psig	10 lbs. - 9 oz.
RP-807588	Stealth H-60, carbon-wrapped	60 minute	4500 psig	12 lbs. - 11 oz.



Air Pak 75

AV-3000™ Facepiece

- Sleek, low-profile for better downward and peripheral vision.
- Six-point quad-adjustment head harness and optional dual-adjustment spectacle kit.
- Donning and doffing is quick and easy.
- Large, dual voicemitters for clearer communications and a dual mounting bracket that allows for communication interface on either side of the facepiece.

EZ-Flo Regulator

- First-breath activation makes breathing easier.
- NFPA and NIOSH approved.
- Reduces exhalation force while sustaining air flow volumes of more than 400 lpm.
- Glove-friendly by design and ruggedly resistant to impact.
- Air-saver switch stops the free flow of air during donning and doffing. The user places the SCBA in stand-by mode with an activated cylinder, meaning the user can be suited up and ready for action without spending cylinder air.

Heads-Up Display Integrated Electronics

- Keeps you informed about your air status. The display conveniently mounts to the EZ-Flo Regulator.
- Hard-wired and engineered to ensure accurate readings.
- An unobstructed view through the facepiece.
- Clear LED readout.
- Also serves as a redundant low air alarm.

Enhanced with EPIC™ Communications

- EPIC Voice Amplifier, a small-profile, simple-to use voice projection device; transmits strong, clear, and crisp voice communications to other nearby respirator users.
- Permits hands-free communications.

Advanced Safety Features

- On-board back-up emergency systems.
- Redundant safeguards promote an added margin of user safety. In addition to the standard safety features there is a Rapid Intervention Crew/ Universal Air Connection (RIC/ UAC). Strategically located, and with relief valve and dust cover, the RIC/UAC allows air to be supplied to a down or trapped firefighter by either a Scott RITPak™ II or another compressed air source.
- Optional, integrated Pak-Tracker™ Firefighter Locator System available for added safety.

End of Service Indicators

- Vibralert® end-of-service-indicator gently vibrates the facepiece, minimizing the chance that the user's alarm will go unnoticed or be confused with another SCBA.
- Visualert™ heads-up display.

Pak-Alert®

- Optional integrated PASS device.
- Offers redundant audible and visual alarms.
- Designed to assist in locating incapacitated or trapped SCBA users.
- Automatic activation as soon as the cylinder valve is opened.

Cylinder Options

- Available in 2216, 3000, and 4500 psi models
- Choose from various lightweight composite cylinder materials including: carbon fibre, Kevlar, and aluminum.
- Available in 30, 45 or 60 minute rated durations.
- CBRN Approved.
- Offers maximum protection against weapons of mass destruction.



Backframe

- One-piece; made of a lightweight, durable aluminum alloy.
- Designed to follow the back's contour; places the bulk of the SCBA's weight on the hips, where padded wrap-around wings provide comfortable support.
- Wide-bodied pads further distribute weight along the shoulders and hips.
- Harness-mounted, retro-reflective front patches enhance night-time visibility of the user. Harness also features an improved hose management system.
- Double-locking latch with durable, para-aramid fabric band for quick, efficient cylinder changes.
- Simple adjustment of a cam-over center slide permits the accommodation of various sized cylinders.
- Parachute-style or optional alligator clip harness fasteners.
- Oversized fasteners; easily manipulated with gloved hands.
- One finger release disengages the waist belt buckle.
- Integrated donning/ carrying handles. User can easily don the SCBA. Also a durable means of carrying the unit.

Pressure Reducer

- Two pressure reducers in one.
- Located in a compact housing, interconnected through an automatic transfer valve.
- A reduction in primary pressure triggers an automatic transfer to the secondary circuit
- Back-up safety features include a dual path pressure reducer that ensures a constant flow of air.

Customization Options

Harness:

1. Standard
2. Spring clips

EBSS*

0. None
1. Standard
2. Dual**

Console

1. Gauge only
2. PASS
3. Pak-Tracker™ Locator

Pressure (psig)

2. 2216
3. 3000
4. 4500

Airline:

0. None
1. Hansen
2. Schrader
3. Hansen HK
4. Foster
5. Cejn

Case

0. None
1. Hard Plastic
2. Soft Canvas

Regulator

03. E-Z Flo+
04. E-Z Flo with QC

- *requires a Quick-Disconnect regulator
**airline options not available

ITEM# Customized Air Pak 75

RP-AP2(harness)(pressure)(regulator)(EBSS)(airline)(console)(case)

Contact customer service to create your custom part number when ordering.