



Respiratory Protection Solutions

Disposable Respirators

N95 Single Use Respirators



- **N95 protection:** filters at least 95% of solid particulates & non-petroleum based liquid aerosols

NIOSH	
Product Number	Description
1006630	N1105 stapled double straps and no nose seal – available in 3 sizes S, ML, XL
1006633	N1115 double straps and a PVC nose seal – S, ML, XL sizes
1006636	N1125 with valve, double straps and a PVC nose seal – S, ML, XL sizes

H801



NIOSH N95 Certified, single use mask, with a PU nose foam seal, designed to provide exceptional fit and comfort

NIOSH	
Product Number	Description
H801	801 N95 disposable mask

Reusable Air Purifying Respirators

N5500 – Series Half Facepiece

- Thermoplastic elastomer material
- Single unit four-point harness with neck strap
- Superior exhalation valve allows more breath to be exhaled



EN140 | NIOSH

Product Number	Description
550030M	Half Mask, Elastomeric, With Dual Cartridge Connectors Sizes Small, Medium, And Large: Add Suffix S, M Or L

7700 Series – Half Facepiece

- Silicone seal provides excellent protection, comfort and fit
- Low inhalation and exhalation resistance of the 7700 Series makes breathing easier to reduce worker fatigue



NIOSH

Product Number	Description
770030M	Half Mask, Silicone, With Dual Cartridge Connectors Sizes Small, Medium, And Large

Half Mask Class 2

- Durable and flexible mask made of soft pliable non leaching silicone for great fit. With Din thread connection for class 2 filters



EN

Product Number	Description
N65770015	N7700-15MU Halfmask resp.M

5400 Series – Full Facepiece

- Oral nasal cup reduces fogging and lessens dead air space to improve worker comfort
- Hard-coated polycarbonate lens, is scratch resistant and meets ANSI standards for impact and penetration resistance



NIOSH | EN

Product Number	Description
54001	Elastomeric full facepiece. Sizes small and medium/large

Reusable Air Purifying Respirators

7600 Series – Full Facepiece

Full Face Mask – Class 2



- Silicone facepiece material conforms to facial features and doesn't harden with age
- Speaking diaphragm makes communication easy

NIOSH	
Product Number	Description
760008A	Silicone full facepiece. Sizes small and medium/large



- Soft and flexible non-allergic elastomer full face mask, DIN thread connection for class 2 cartridges

EN	
Product Number	Description
54201	Fullface mask 54201 size M

Cartridges and Filters

Gas and Vapor Cartridges



Class	Standards	Housing	Product Number	Color Code	Description
1	NIOSH	Plastic	75SCL	■ (MC)	Defender Multi Purpose
1	NIOSH	Plastic	75SCP100L	■ (MC)	Defender Multi Purpose with P100
1	NIOSH	Plastic	N75001L	■ (OV)	Organic Vapor Cartridge
1	NIOSH	Plastic	N75003L	■ □ (OV+AG)	Organic Vapor & Acid Gasses
1	NIOSH	Plastic	7583P100L	■ □ (OV+AG)	Organic Vapor & Acid Gasses with P100
1	NIOSH	Plastic	N75002L	□ (AG)	Acid Gas Cartridge
2	EN 14387 & EN 143	Aluminum	1781000	■ ■ ■ ■	Particle & Gas Vapour (A2 B2 E2 K2)

Particulate Filters



Class	Standards	Housing	Product Number	Color Code	Description
1	NIOSH	Plastic	7580P100	NA	P100 Particulate Filter
1	NIOSH	Fabric	75FFP100	NA	Low profile P100 filter
1	NIOSH	Fabric	75FFP100NL	NA	Low profile P100 filter with odor relief
1	NIOSH	Fabric	7506N95	NA	N95 Prefilter with 95% filter efficiency

Powered Air Purifying Respirators (PAPR)

Compact Air®

- The COMPACT AIR powered respirator is used in combination with EN 148-1 particle- and or gas filters. The contaminated air is drawn through 3 filters and supplies a continuous flow of clean air to the wearer's headpiece (hood or mask). The unit is supplied as standard with a support belt to distribute the weight evenly over the back. Both battery and blower are separate which makes it easy to change the battery during the working day
- **Battery:** NiMH 6-pack 7,2V, 4300mAh
- **Operating time:** 10 hrs min
- **Application:** Welding, grinding, chemical handling, cleaning, etc

EN12941: apparatus (hoods);
EN12942: apparatus (masks)

Product Number	Description
A150102-00	Compact Air® with bayonet fitting (hoods)
A150103-00	Compact Air® with DIN thread masks



PAPR Hoods

Shot Blasting Helmet

- Shotblasting helmet made of a lightweight glass fibre re-reinforced polyester with a blue rubber coating



EN

Product Number	Description
A133230-00	Straalh.CommMK2, Bison., Stand.

Kolibri VI

- Low profile designs for optimal field of vision which reduces risks of falls and reducing light reflections. The disposable visor-system allows removal during operations and protects the main hood visor against damage and/or splashes



EN

Product Number	Description
A114102	It is recommended in working area where protection is required for respiratory organs, face and head against harmful particles, mists, gasses and vapours

Open-Circuit Breathing Equipment

X-Pro

- Ultralight back plate, made from anti-static polymer resin
- HP and MP hoses integrated into the back plate for maximum safety
- Multiple anchor points for accessories and quick release buckles
- Opti-Pro full-face mask
- SX-Pro positive pressure demand valve with quick release and activation by the first breath



EN 137-2006

Product Number	Description
1824219	X-Pro with SAD Sx-Pro and opti-pro full face mask five point straps and MP quick connection, without cylinders

T8000 EN SCBA

- Complies with the requirements of the latest EN 137, Type 1 standard
- T8000 can be used for 45 minutes with 6.9L 300 bar light composite cylinder for work or rescue/evacuation activities



NEW

Product Number	Description
T8000	Open-Circuit Self-Contained Breathing Apparatus with Panoramasque and Zenith Demand Valve

Open-Circuit Breathing Equipment

Survivair Cougar SCBA

- Industrial SCBA
- TwentyTwenty Plus 5-pt. silicone headstrap or Kevlar mesh headnet option
- Supplied Air Attachment option
- Communications options
- First-breath on; allows attachment in any Orientation; regulator holder on waist strap
- Buddy Breather, Heads-Up-Display



NIOSH

Product Number	Description
888888	P964323 Basic SCBA system (backpack & pneumatics), 2216 psig; 22NB Bell alarm, 2216 psig; 915141 Aluminum cylinder, 30-minute 2216 psig; 252022 Twenty/20+™ facepiece, medium size with medium nose cup
555555	P964125 Basic SCBA system (backpack & pneumatics), 4500 psig; 45NB Bell alarm, 4500 psig; 917161 Carbon cylinder, 60-minute 4500 psig; 252022 Twenty/20+™ facepiece, medium size with medium nose cup

Survivair Puma SCBA

- The Survivair Puma is a Survivair Cougar with a tight-fitting hood with a neoprene neck seal and is rated for entry into IDLH environments
- Hood is made from Challenge® NXT barrier fabric (fluoropolymer films laminated to aramid substrates) for excellent permeation resistance; lens is made from 10 mil FEP Teflon
- Flexible neoprene neck seal provides excellent protection against contaminants in IDLH atmospheres

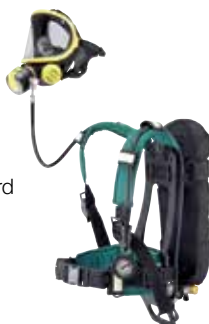


NIOSH

Product Number	Description
777777	Stocked configuration includes: Survivair Puma 2216 psig, Survivair Puma hood with medium nose cup, plain whistle alarm, 2216 psig 30-minute aluminum cylinder without locking collar

Aeris Confort 2

- Self Contained Breathing Apparatus designed for firefighting and Oil&Gas industries. It fulfills the requirements of the most recent EN 137 standard, type 2 classification
- Reducer with a built-in second user outlet
- Harness with aramide fibre straps: fulfills the requirements of the most recent EN 137 standard
- HP/MP reducer with safety valve
- Fenzy full face masks comply with EN 136 standard – Class III



EN 137-2006

Product Number	Description
1823222	Aeris Confort Type 2 with Panoramasque full-face mask with 5-point head strap and Sx-Pro demand valve. Without air cylinder
1822552	6L or 1.58 US gal 300 bar or 4.351 PSI steel air cylinder (empty*)
1819861	6.9L or 1.82 US gal 300 bar or 4.351 PSI Composite (20 years) air cylinder (empty*)

Mobile Airline Supply Trolley

This mobile trolley allows users a supply of breathable compressed air, regardless of the type of work in confined spaces or during long-term maintenance.



Product Number	Description
1823983	Two-trolley version, with Staubi fittings, two users, reels with hose 2 x 25m/82 feet and case. Without air bottles
1824092	Four-bottle trolley version, with CEJN fittings, two users, reels with hose 2 x 25m/82 feet and case. Without air bottles
1822552	Air cylinder 6L or 1.58 US gal and 300 bar or 4,351 PSI, steel, empty*
1819661	Air cylinder 6.9 L or 1.82 US gal, 300 bar 4,351 PSI, Composite (20 years), empty*

Escape/Evacuation Equipment

7900 Series North Mouthbit Respirators

- Removable Silicone mouthpiece
- Nylon neck strap
- Zip lock storage bag
- **Belt Clip:** respirator is with the worker & easily accessible in case of an emergency



NIOSH

Product Number	Description
7902	Acid gas Escape Respirators – Silicone Mouthbit
7904	Ammonia gas Escape Respirators – Silicone Mouthbit

Evamasque DIN

- Light and compact filtering escape device which provides 15 minutes of effective protection during the evacuation of accidentally polluted areas in which the volume of oxygen in the atmosphere is more than 17%



DIN 58647-7

Product Number	Description
1728570	Evamasque half mask with filter

Escape/Evacuation Equipment

Opengo ABEK1 P3

- Specially designed small and flat multi-positioned waist-pouch
- Velcro strip and zip on the bag with adjustable belt
- Ready for use at any time for up to 6 years



EN 140, EN 14387

Product Number	Description
1728806	Opengo with ABEK1 P3 filter

CBRN Escape Hood

- Clear hood lets rescue team see user, and is anti-claustrophobic. Contoured butyl neck dam provides easier donning and fit. Convenient carry bag can be worn vertically or horizontally. NIOSH CAP 2 Escape hood offers minimum of 30 minutes escape from many contaminants



NIOSH

Product Number	Description
ER2000CBRN	Emergency Escape CBRN Hood, Complete includes hood in Sealed Bag and Outer Carry Bag

Oxy-Pro

- **Respiratory protection as soon as the apparatus is donned:** a compressed oxygen cylinder starter minimizes the risk of inhaling toxic gases by the user
- Antistatic 6 liters/1.5 US gal breathing bag ensuring optimal breathing comfort during the evacuation
- Worn on a belt, it offers complete freedom of movement



Front



Back

EN 13794 – Class K 30-S type

Product Number	Description
1918727	Oxy-Pro, without waist belt or goggles
1918843	Training Oxy-Pro (refillable), without waist belt, with goggles
1910565	Oxy-Pro Waist Belt

Bio-S-Cape

- Fenzy Bio-S-Cape is a compressed air emergency escape breathing apparatus to be used in case of an escape that requires a quick and easy application when working in hazardous environments such as in the industrial, naval or petrochemical sectors
- It is contained in a carrying bag that automatically triggers the regulator, when opened



EN1146: 2005, MED, SOLAS, IMO and MSC

Product Number	Description
1815732	BIO-S-CAPE 3L steel
1815746	BIO-S-CAPE 3L composite Cy 15 min

Escape Breathing Apparatus

- **Hood equipped with elastic drawstring and large, adjustable opening:** designed for easy donning
- Resistance to extreme temperatures
- Anti-fog film is permanently laminated to inside panel of hood, ensures maximum visibility for an unobstructed view in all directions
- Constant flow rate over entire duration of unit
- **Spring-reinforced breathing tube:** prevents kinking of tube so air flow won't be restricted or cut off Muffles air noise for quiet operation



NIOSH 42 CFR Part 84

Product Number	Description
975080	EBA-5 – Escape breathing apparatus, 5 minutes cylinder (2216 psig, aluminum), hood
975090	EBA-10 – Escape breathing apparatus, 10 minutes cylinder (3000 psig, aluminum), hood

Aeris Mini

- Designed for escape operation in toxic or oxygen-deficient atmospheres
- Light and comfortable, designed for quick donning



EN

Product Number	Description
1815357	Aeris Mini with Panoramasque full-face mask with 5-point head strap and Sx-Pro demand valve

Escape/Evacuation Equipment

PD-SAR with Escape (Hip Pac)

- 15 minutes escape cylinders with optional second stage quick-disconnect
- TwentyTwenty® Plus silicone Facepiece
- Available with PUMA™ Hood
- PD-SAR available with Classic Black Welding Facepiece with P100 filters and also with Miller-designed harness certified as a Class 3 fallprotection harness approved for respiratory
- Can utilize a cascade system



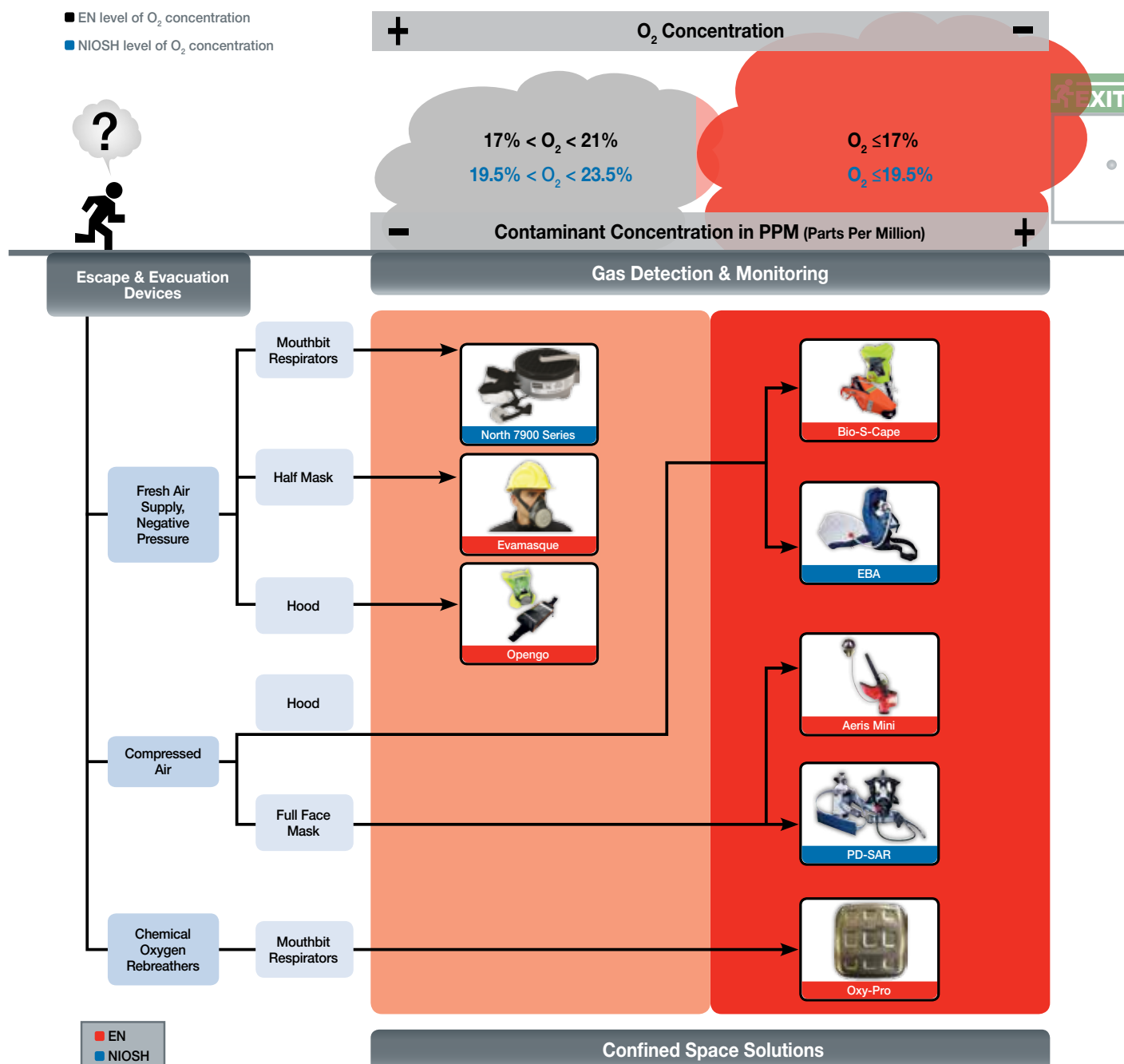
NIOSH 42 CFR Part 84

Product Number Description

P968500 PD-SAR with Escape (Hip Pac)

Usage Guide is for Emergency Escape

- EN level of O₂ concentration
- NIOSH level of O₂ concentration



Standards and Regulations

Evacuation equipment		
EN 136	Full face mask (SCBA)	Class 3 for type 2 apparatus. Engulfment test conformity and radiant heat test for type 2 apparatus.
EN 140	Half masks and quarter masks	The European standard specifies the minimum requirements for half masks and quarter masks for use with breathing apparatus, except for devices used in evacuation and diving.
EN 14387	Anti-gas filters and combined filters	The European standard deals with gas filters and combined filters used as components of unassisted respirators. Filters against CO are not covered by the standard. Some filters meeting the standard can also be used with assisted breathing devices and, in this case, must be tested and marked with the appropriate European standard.
EN 402*	Open circuit compressed air self-contained breathing apparatus, with on-demand valve, full face mask or mouthpiece assembly for evacuation	The European standard specifies the minimum requirements for open circuit compressed air self-contained breathing apparatus, with on-demand valve for evacuation. The European standard does not apply to protective devices for work and rescue, or diving apparatus.
EN 1146*	Open circuit compressed air self-contained breathing apparatus, with hood for evacuation	The European standard specifies the minimum requirements for open circuit compressed air self-contained breathing apparatus, with a hood for evacuation. This equipment is intended for use in work situations where the risk of over-pressurization of the pressure vessels and their valves because of ambient heat is low. The European standard does not apply to appliances used for normal or diving.
EN 13794*	Closed circuit self-contained breathing apparatus for evacuation	The European standard specifies the minimum requirements for self-contained closed-circuit breathing apparatus, using chemical oxygen (KO ₂ , NaClO ₃) and compressed oxygen for evacuation (aka: oxygen evacuation apparatus). The European standard does not apply to protective devices for work and rescue, or diving apparatus.
NIOSH 42 cfr part 84	Approval of respiratory protective devices	The National Institute for Occupational Safety and Health (NIOSH) is the U.S. federal agency responsible for conducting research and making recommendations for the prevention of work-related injury and illness.
DIN 58647-7*	Respiratory protection devices for evacuation – Part 7: Filtering devices for evacuation.	

* For all standards references cited and undated, the latest edition of the reference document (including any amendments) applies.

Honeywell Safety Products

P.O. Box 232362

Emaar Business Park

Building 2, Level 2, Office 201

Dubai, U.A.E.

Tel: + 971 4 450 5800

Fax: + 971 4 450 5900

Email: hsp-meai@honeywell.com

Honeywell

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