



# RESPIRATORY PROTECTION

Living is impossible without clean air. Yet, many workers have to contend with unclean and unsafe air daily. Airborne hazards are often invisible, undetectable without equipment but deadly all the same. After all, even deadly viruses can be spread through the air.

Invest in good respiratory protection for your workers today! Contained within this catalogue are a variety of respirators to fit any job's requirements. We're confident you'll learn something new about respirators as you read on: and find the right respirator for you along the way.

- Disposable Mask
- Reusable Half Mask (APR)
- Reusable Full Mask (APR)
- Powered Respirators (PAPR)
- Escape Mask
- Self Contained Breathing Apparatus (SCBA)
- Airline System



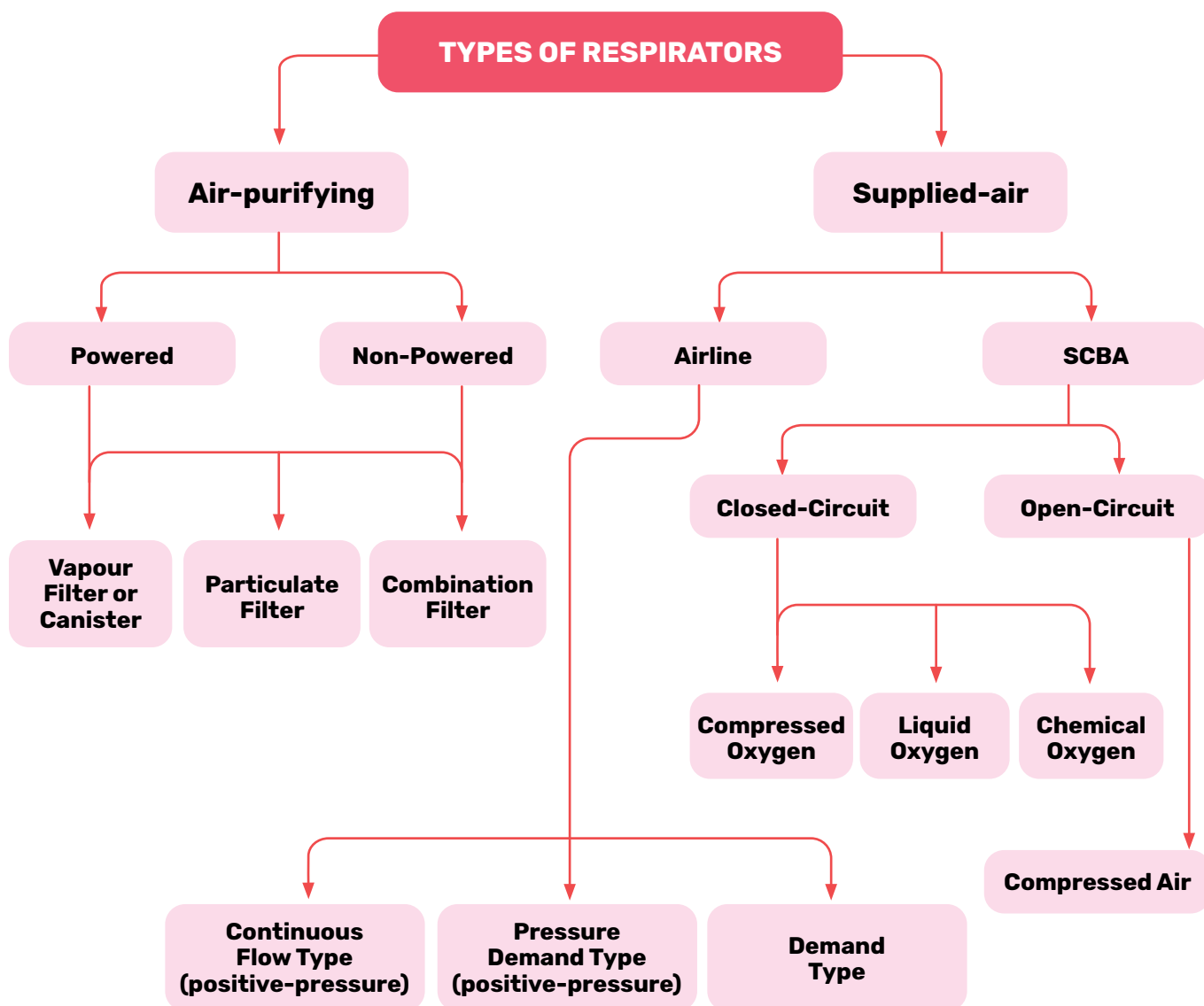
# MEET THE RESPIRATOR FAMILY!

No matter your requirements, there's bound to be a respirator that suits your workplace. Refer to this handy flowchart for an overview of the kinds of respirators available!

All our respirators comply with Singapore SS548:2009 standards. According to the **Singapore SS548:2009 (formerly CP 74)**, clause 5.3, our "respirators shall satisfy any of the following standards or their equivalent: **NIOSH-MSHA (USA), CEN (Europe), AS/NZS (Australia/New Zealand), KOSHA (Korea) and JIS (Japan)**".\*

In addition, we provide training and technical assistance concerning the following elements as listed in SS548:2009\*:

- Selection of suitable types of respirators
- Fit-testing and training in conducting of fit-tests
- Training users on usage, care and limitations of respirators
- Advice and provision of proper signage in hazardous areas
- Assistance and training pertaining to proper and regular inspections and maintenance



\*Quoted and adapted from Singapore Standard SS548:2009 (formerly CP 74). For a more detailed description and explanation, customers and users should refer to the SS548:2009 or equivalent.

# KNOW YOUR SAFETY STANDARDS

## BOTH **NIOSH** AND **EN149** COMPLIANT AIR-PURIFYING MASKS GUARD AGAINST PARTICLES!



### NIOSH

USA Safety Standard

Safety ratings: N(95, 99, 100),  
R(95, 99, 100) and P(95, 99, 100)

Most common standard for  
measuring airborne particle protection

### EN149

European Standard

















Safety ratings: FFP1, FFP2, FFP3

FFP2 is closest to N95 in terms  
of particle filtration ability

**N** - Not resistant to oil; **R** - Resistant to Oil; **P** - Oil Proof

# APF / MUC CHART

- **Assigned Protection Factor (APF)** refers to the amount of protection a respirator should provide workers. It's measured numerically. For example, an APF of 100 means that only 1 percent of contaminants leak into a mask.
- **Maximum Use Concentration (MUC)** refers to the maximum concentration of a hazardous material that a worker should be able to withstand using their respirator. Multiply your respirator's APF by the maximum exposure limit to find out the MUC of your respirator.

APF	10	25	50	1000
<p>if you are referring to OSHA 29 CFR 1926.1153 Table 1</p> <p><b>FIND YOUR APF</b></p> <p>if you are doing an objective or scheduled assessment</p> <p><b>FIND YOUR MUC*</b></p>	<p>Disposable Respirators and Half Face Reusable Respirators</p>  <p>M110N95</p>  <p>7000 Series</p>  <p>M511N95</p>  <p>7800 Series</p>  <p>BLS 030</p>  <p>MSA 200LS</p> <p>2310N99</p>  <p>2840N95</p>  <p>4000 Series</p>	<p>PAPRs</p>  <p>TM-H2</p>  <p>EVA 2</p>	<p>Full Face Reusable Respirators (With quantitative fit test)</p>  <p>7600 Series</p>  <p>BLS 5400</p>  <p>MSA 3200</p>	<p>PAPRs and Helmet</p>  <p>RPB Z-LINK</p>
MUC*	0.5 mg/m3 ▶	1.25 mg/m3 ▶	2.5 mg/m3 ▶	50 mg/m3 ▶

\*Reference: <https://www.osha.gov/sites/default/files/publications/3352-APF-respirators.pdf>

# MAJOR TYPES OF RESPIRATORS

*Air-purifying respirators, which remove contaminants from the air.*



**Half mask/Dust mask**  
APF=10  
Needs to be fit tested



**Half mask (Elastomeric)**  
APF=10  
Needs to be fit tested



**Full facepiece (Elastomeric)**  
APF=50  
Needs to be fit tested



**Loose-Fitting Powered  
Air-Purifying Respirator (PAPR)**  
APF= 25



**Hood Powered Air-Purifying  
Respirator (PAPR)**  
APF= 25

# MAJOR TYPES OF RESPIRATORS

*Atmosphere-supplying respirators, which provide clean air from an uncontaminated source.*



## **Full Facepiece Supplied-Air Respirator (SAR) with an auxiliary Escape Bottle**

APF=1,000  
APF = 10,000 (if used in "escape" mode)  
Needs to be fit tested



## **Full Facepiece Abrasive Blasting Continuous Flow**

APF=1,000  
Needs to be fit tested



## **Full Facepiece Self-Contained Breathing Apparatus (SCBA)**

Pressure demand mode is  
APF=10,000  
Needs to be fit tested



# MAJOR TYPES OF RESPIRATORS

**Table I: Assigned Protection Factors<sup>5</sup>**

Type of Respirator 1, 2	Quarter mask	Half mask	Full facepiece	Helmet/Hood	Loose-fitting facepiece
1. Air-Purifying Respirator	5	10 <sup>3</sup>	50	-	-
2. Powered Air-Purifying Respirator (PAPR)	-	50	1,000	25/1,000 <sup>4</sup>	25
3. Supplied-Air Respirator (SAR) or Airline Respirator					
• Demand mode	-	10	50	-	-
• Continuous flow mode	-	50	1,000	25/1,000 <sup>4</sup>	25
• Pressure-demand or other positive-pressure mode	-	50	1,000	-	-
4. Self-Contained Breathing Apparatus (SCBA)					
• Demand mode	-	10	50	50	-
• Pressure-demand or other positive-pressure mode (e.g., open/closed circuit)	-	-	10,000	10,000	-

## Notes:

- Employers may select respirators assigned for use in higher workplace concentrations of a hazardous substance for use at lower concentrations of that substance, or when required respirator use is independent of concentration.
- The assigned protection factors in Table I are only effective when the employer implements a continuing, effective respirator program as required by this section (29 CFR 1910.134), including training, fit testing, maintenance, and use requirements.
- This APF category includes filtering facepieces, and half masks with elastomeric facepieces.
- The employer must have evidence provided by the respirator manufacturer that testing of these respirators demonstrates performance at a level of protection of 1,000 or greater to receive an APF of 1,000. This level of performance can best be demonstrated by performing a WPF or SWPF study or equivalent testing. Absent such testing, all other PAPRs and SARs with helmets/hoods are to be treated as loose-fitting facepiece respirators, and receive an APF of 25.
- These APFs do not apply to respirators used solely for escape. For escape respirators used in association with specific substances covered by 29 CFR 1910 subpart Z, employers must refer to the appropriate substance-specific standards in that subpart. Escape respirators for other IDLH atmospheres are specified by 29 CFR 1910.134(d)(2)(ii).

# WHAT ARE AIR-PURIFYING RESPIRATORS?

**Air-purifying respirators (APRs)** work by removing gases, vapors, aerosols (droplets and solid particles), or a combination of contaminants from the air through the use of filters, cartridges, or canisters. These respirators do not supply oxygen and therefore cannot be used in an atmosphere that is oxygen-deficient or immediately dangerous to life or health. The appropriate respirator for a particular situation will depend on the environmental contaminant(s).



## FILTERING FACEPIECE RESPIRATOR (FFR)

- Disposable
- Covers the nose and mouth
- Filters out particles such as dust, mist, and fumes
- Select from N, R, P series 95, 99, 100 efficiency level
- Does NOT provide protection against gases and vapors
- Fit testing required

## ELASTOMERIC HALF FACEPIECE RESPIRATOR

- Reusable facepiece and replaceable cartridges or filters
- Can be used to protect against gases, vapors, or particles if equipped with the appropriate cartridge or filter
- Covers the nose and mouth
- Fit testing required



## ELASTOMERIC FULL FACEPIECE RESPIRATOR

- Reusable facepiece and replaceable canisters, cartridges, or filters
- Can be used to protect against gases, vapors, or particles, if equipped with the appropriate cartridge, canister, or filter
- Provides eye protection
- More effective face seal than FFRs or elastomeric half-facepiece respirators
- Fit testing required

## POWERED AIR-PURIFYING RESPIRATOR (PAPR)

- Reusable components and replaceable filters or cartridges
- Can be used to protect against gases, vapors, or particles, if equipped with the appropriate cartridge, canister, or filter
- Battery-powered with blower that pulls air through attached filters or cartridges
- Provides eye protection
- Low breathing resistance
- Loose-fitting PAPR does NOT require fit testing and can be used with facial hair
- Tight-fitting PAPR requires fit testing





# WHAT ARE ATMOSPHERE-SUPPLYING RESPIRATORS?

**Atmosphere-supplying respirators** provide clean breathing air from a source separate from the work area. These respirators protect wearers from many types of contaminants (particles, gases, and vapors). In some cases, they can also supply breathable air in places that do not have enough oxygen. Fit testing is required for respirators with a tight-fitting facepiece.\*

## FILTERING FACEPIECE RESPIRATOR (FFR)

- Facepiece is connected to a separate source that supplies clean compressed air through a hose
- Available in demand, pressure-demand, and continuous-flow configurations
- Can be lightweight and used while working for long hours in environments not immediately dangerous to life and health (IDLH)



## SELF-CONTAINED BREATHING APPARATUS (SCBA)

- Used for entry into or escape from environments considered to be IDLH
- Two types: Open-Circuit and Closed-Circuit
- **Open-Circuit SCBAs**
  - User carries pressurized cylinder on back to supply breathing air
  - Supplies breathing air for 30-90 minutes
  - Exhausts exhaled air instead of recirculating it
  - Can be either continuous-flow (escape-only), demand, or pressure-demand configurations

## COMBINATION SAR/SCBA RESPIRATORS

- Pressure-demand combinations, suitable for IDLH environments, can be used to enter confined spaces
- Has a self-contained air supply
- SCBA provides air if airline supply fails or becomes interrupted
- Generally used for entry into and escape from IDLH environments







# DISPOSABLE MASK

## WORKSAFE® DISPOSABLE 3-PLY MEDICAL MASK TYPE IIR

- Protects nose and mouth from viruses and contaminants
- Bacterial Filtration Efficiency (BFE) ≥ 98%
- Hypoallergenic and latex-free
- Adaptable nose bar and elastic earloops for comfort and fit
- Complies with EN:14683:2019

BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	400WSR101	Disposable Type IIR 3 Ply Surgical Mask Earloops, Blue Colour (5pcs/pkt, 10pkts/box)
	400WSR101-I	Disposable Type IIR 3 Ply Surgical Mask Earloops, Blue Colour (1pc/pkt, 50pkts/box)



WSR101-I



## N95 PARTICULATE RESPIRATOR



M210N95

Meets NIOSH 42 CFR 84 N95 requirements.

**TC-84A-5411**



M110N95

Meets NIOSH 42 CFR 84 N95 requirements.

**TC-84A-5463**



M247N95

Meets NIOSH 42 CFR 84 N95 requirements.

**TC-84A-5525**



M511N95

Meets NIOSH 42 CFR 84 N95 requirements.

**TC-84A-5460**



M211N95 / M111N95

Meets NIOSH 42 CFR 84 N95 requirements.

**TC-84A-7867 / TC-84A-7871**



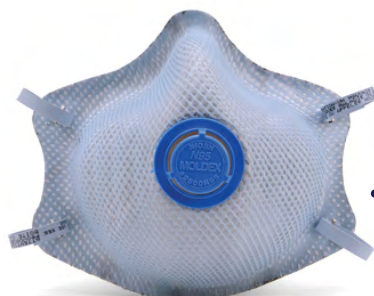
BRAND	PRODUCT CODE	DESCRIPTION
WORKSafe®	400WSRM210N95	M210N95 Particulate Respirator (20pcs/box)
	400WSRM110N95	M110N95 Particulate Respirator Size S (20pcs/box)
	400WSRM211N95/ 400WSRM111N95 (Size S)	9600-N95 Disposable <b>Non-Fluid Resistant</b> , Particulate Respirator (20pcs/box)
	400WSRM247N95	M247N95 Particulate Respirator with Nuisance Level Organic Vapour Relief (10pcs/box)
	400WSRM511N95	M511N95 Particulate Respirator with Exhalation Valve (10pcs/box)

# DISPOSABLE MASK N95

## MOLDEX N95 PARTICULATE RESPIRATOR DISPOSABLE MASK



2400N95



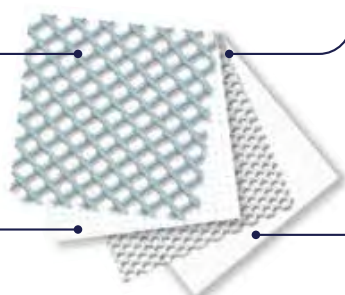
2500N95

- For most welding applications & 100% PVC-Free
- Exhalation valve lets workers breathe easy and stay cool

- Dura-Mesh™ shell resists collapsing in heat and humidity
- Molded nose bridge seals easily without metal noseband
- Naturally contoured facepiece relieves pressure points
- Softspun® lining gives added comfort and durability
- NIOSH certified to have a filter efficiency level of 95% or greater against particulate aerosols free of oil

Outer Dura-Mesh keeps respirator cleaner looking

Inner Dura-Mesh helps prevent collapsing from heat and humidity



Filter is protected on both sides by Dura-Mesh

Softspun lining is comfortable against the face



2307N95



2207N95

BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	400MMI2400N95	2400 Series N95 Particulate Respirator + Nuisance Ozone Or Organic Vapour (10pcs/box)
	400MMI2500N95	2500 Series N95 Particulate Respirator + Nuisance Acid Gases (10pcs/box)

BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	400MMI2307N95	2300 Series N95 Particulate Respirator with Exhalation Valve (Alt-Shape)(10pcs/box)
	400MMI2207N95	N95 Particulate Respirator (Alt-Shape) Disposable Mask (20pcs/box)



# DISPOSABLE MASK N95



## MOLDEX N95 AIRWAVE™ DISPOSABLE MASK

- Exclusive easy-breathing wave design
- Less resistance, better breathability\*
- Ideal where unvalved respirators are preferred
- Less cost than valved respirators
- Longer wear means less cost
- Comes with adjustable SmartStrap® allows users to hang the mask from the neck when not in use

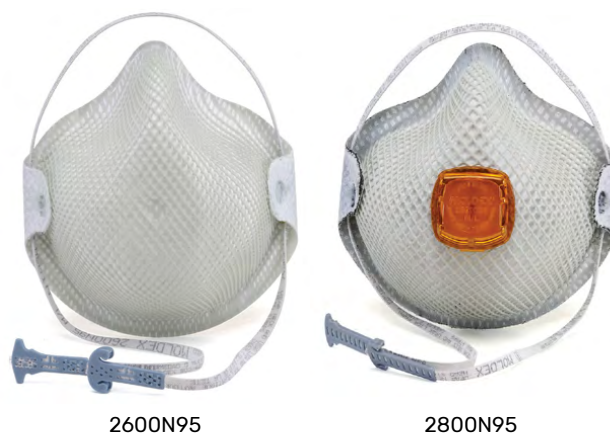
BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	400MMI4601N95	4600 Series N95 Airwave Disposable Mask with Adjustable Smartstrap, Size: S (10pcs/box)

\*Testing conducted at 85 litres per minute in accordance with NIOSH 42 Part 84.180 initial resistance requirements. Resistance will vary with actual use conditions.

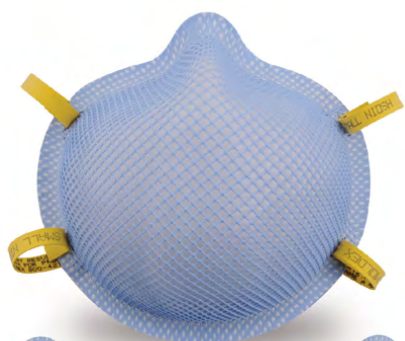
## MOLDEX N95 PARTICULATE RESPIRATOR W/ HANDYSTRAP

- Hangs loose
- Vent hot air, stay cooler
- Soft foam nose cushion
- Dura-mesh® shell lasts longer

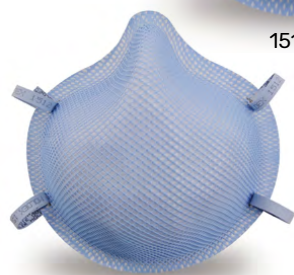
BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	400MMI2600N95/ 400MMI2607N95	2600 Series Particulate Respirator with Handystrap (15pcs/box)
	400MMI2800N95/ 400MMI2801N95	2800 Series N95 Particulate Respirator with Nuisance Ozone & Organic Vapour Relief (10pcs/box)



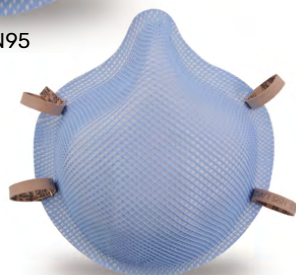
# DISPOSABLE MASK N95 & N99



1510-N95



1512N95



1513N95



2310N99



2315N95

## MOLDEX N95 HEALTHCARE RESPIRATOR & SURGICAL MASK

- Meets CDC guidelines for protection against TB
- NIOSH certified to have a filter efficiency of 95% or greater against non-oil based particulates
- Highest ASTM level of fluid resistance – 160 mm Hg
- Bacterial filter efficiency >99.9%
- Soft foam nose cushion for an easy and comfortable fit
- Softspun® inner lining is soft to the touch
- Certified under 42CFR84
- Meets heat and flame resistance in accordance with ANSI/ISEA 110-2009 Section 7.11.1

## MOLDEX N99 PARTICULATE / WELDING RESPIRATOR

- For most welding applications
- Exhalation valve reduces hot air build-up for added comfort
- Dura-Mesh™ shell resists collapsing in hot and humid environments
- Shaped for comfort with contour molded nose bridge and soft foam nose cushion
- Softspun® lining gives added comfort and durability
- NIOSH-certified to have a filter efficiency level of 99% or greater against particulate aerosols free of oil

BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	400MMI1510-N95	Healthcare Respirator & Surgical Mask (Latex Free) Size: XS (20pcs/box)
	400MMI1512N95	Healthcare Respirator & Surgical Mask (Latex Free) Size: M (20pcs/box)
	400MMI1513N95	Healthcare Respirator & Surgical Mask (Latex Free) Size: L (20pcs/box)

BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	400MMI2310N99	2310 Series N99 Premium Particulate / Welding Respirator (10pcs/box)
	400MMI2315N99	2315 Series N99 Particulate / Welding Respirator (10pcs/box)



# DISPOSABLE MASK N95 & R95



2700N95



2840N95

## MOLDEX N95 PARTICULATE RESPIRATOR WITH HANDYSTRAP & VENTEX VALVE

- HandyStrap® with buckle allows mask to comfortably hang around the users neck when not in use
- Cloth strap feels soft & cool against the skin
- Ventex® valve lets the hot air out faster, keeping workers cool & comfortable
- Soft foam nose cushion
- Collapse resistant Dura-Mesh® shell
- Meets heat and flame resistance in accordance with ANSI/ISEA 110-2003 Section 7.11.1

BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	400MMI2700N95/ 400MMI2701N95	2700 Series Particulate Respirator with Handystrap & Ventex Valve (10pcs/box)

## MOLDEX R95 PARTICULATE RESPIRATOR WITH NUISANCE OZONE & ORGANIC VAPOUR

- HandyStrap allows mask to hang down loosely and comfortably around the user's neck when not in use
- Cloth HandyStrap feels cool and comfortable
- Added carbon layer helps filter out nuisance levels of ozone and organic vapors (less than OSHA PEL)
- Can be used against most welding fumes
- Fits easily under welding hoods
- Dura-Mesh® shell resists collapsing in heat and humidity
- NIOSH certified to have a filter efficiency of 95% against oil and non-oil based particulates
- Certified under 42CFR84
- Meets heat and flame resistance in accordance with ANSI/ISEA 110-2009 Section 7.11.1

BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	400MMI2840R95	2840 Series R95 Particulate Respirator with Nuisance Ozone & Organic Vapour

# DISPOSABLE MASK

## BLS 729 FFP2 NR D

- Flat fold shape
- Tested and CE approved to new EN 149:2001+A1:2009 standard
- The individual packaging of the facepiece offers greater hygiene and maintenance and avoids any contamination
- BLS 729 FFP2 NR D filtering face piece is suitable for protection against non-volatile solid and/or liquid particles up to 12\* times the Threshold Limit Value (TLV-TWA)

\* = NPF, Nominal Protection Factor (according to EN 529:2005 standard)

BRAND	PRODUCT CODE	DESCRIPTION
BLS GROUP	400BGI8006225	BLS 729 FFP2 NR D (10pcs/box)



## BLS FLICKIT



BRAND	PRODUCT CODE	DESCRIPTION
BLS GROUP	400BGI8006172	BLS 828 FFP2 NR D (10pcs/box)
	400BGI8006173	BLS 829 FFP2 NR D (10pcs/box)
	400BGI8006174	BLS 860 FFP3 R D (10pcs/box)



BLS 860



BLS 828



BLS 829

## FOLDED FACEPIECES

- EOLO® exhalation valve
- All models with single pack
- Available with activated carbon
- Flat fold shape
- Noseclip to reduce the exposed metal parts to a minimum
- BLS 828 FFP2 NR D filtering face piece is suitable for protection against non-volatile solid and/or liquid particles up to 12\* times the Threshold Limit Value (TLV-TWA)

\* = NPF, Nominal Protection Factor (according to EN 529:2005)

# DISPOSABLE MASK

## BLS 760 FFP3 R D

- Fold flat shape
- Tested and CE approved to new EN 149:2001+A1:2009 standard
- BLS 760 FFP3 R D filtering face piece is suitable for protection against non-volatile solid and/or liquid particles up to 50\* times the Threshold Limit Value (TLV-TWA)
- It can be used to keep unpleasant odours of gases and organic vapours in concentrations below the TLV level

\* = NPF, Nominal Protection Factor (according to EN 529:2005 standard)

BRAND	PRODUCT CODE	DESCRIPTION
BLS GROUP	400BGI8006244	BLS 760 FFP3 R D (10pcs/box)



## BLS ZerO

### NEW FFP3-ONLY SERIES

**ANATOMIC** - The pre-formed and elastic support makes an easier and reliable fit to all kinds of faces.

**EOLO® EXHALATION VALVE** - An ultralight membrane concentrates the exhaled air into two zones of maximum aperture, 30% wider than before.

**ARMOR® LAYER** - External protective layer that filtering material from dirt, dust and liquids.

**GASKET** - Made with a new soft technical foam and guarantees a high comfort on contact with the skin.

**AVAILABLE WITH ACTIVATED CARBON** - Protect from nuisance odors (ideal for welding operations)

**IT BREATHES!** - Ratio of transmission of water vapour through the material is 4500 g/m<sup>2</sup> \* 24hrs.



BLS 030

BLS 030C

BRAND	PRODUCT CODE	DESCRIPTION
BLS GROUP	400BGI8006296	BLS 030 FFP3 R D 8006332 (10pcs/box)
	400BGI8006306	BLS 030C FFP3 R D 8006338 (10pcs/box)
	400BGI8006297	BLS 031 FFP3 R D 8006335 (10pcs/box)



# HALF FACE MASK (APR)



## ELIPSE P3 REUSABLE PARTICULATE RESPIRATOR

- 99.98% efficiency at 0.3 micron
- Protection from dust, metal fumes, oil and water mists and micro-organisms
- Ultra low profile design provides unobstructed field of vision
- Made of flexible and lightweight TPE
- Large non-return exhaust valve
- HESPA®+ filter
- Comfortable adjustable head and neck straps
- No latex or silicone
- Comes with a pair of replacement filters
- Approved to EN140: 1998. APF 20

BRAND	PRODUCT CODE	DESCRIPTION
ELIPSE	400ELSPR299	P3 Replaceable Ready To Use Mask (S/M Size)(10pcs/box)
	400ELSPR501	P3 Replaceable Ready To Use Mask (M/L Size)(10pcs/box)



## ELIPSE A1P3 REUSABLE PARTICULATE RESPIRATOR

- Activated carbon filter to remove organic gases & vapours with a boiling point > 65°C and exposure of 1000 ml/m3 (see CE classes)
- Protection against most organic gases and vapours, dust, metal fumes, mists and micro-organisms
- Ultra low profile design, made of lightweight TPE
- Large non-return exhaust valve
- Elasticated adjustable head and neck strap, secure and stable fit use
- No latex or silicone
- Comes with a pair of replacement filters
- Approved to EN140: 1998. With P3 APF: 20. With Gas or Gas+P3: 10

BRAND	PRODUCT CODE	DESCRIPTION
ELIPSE	400ELSPR338	A1-P3 Ready To Use Mask With Replaceable Filters (S/M Size)(6pcs/box)
	400ELSPR503	A1-P3 Ready To Use Mask With Replaceable Filters (M/L Size)(6pcs/box)

# HALF FACE MASK (APR)



7000 SERIES



7800 SERIES

## MOLDEX 7000 SERIES HALF FACE MASK

- 100% PVC-Free®
- Sleek design for modern, high-tech look and increased worker acceptance
- Lightweight design plus extra-wide sealing area provides all-day comfort
- Low profile, compact design fits well under welding helmets and with safety glasses
- Mask drops down for convenient storage around the neck or locks down for custom fit
- Adjustable head cradle and curved neck buckles for extra comfort
- Easy mount bayonet cartridge/filter attachment

## MOLDEX 7800 SERIES PREMIUM SILICONE HALF FACE MASK

- Wide flange fits more facial shapes comfortably
- Low profile, angled cartridge placement for wider field of vision
- Compact, fits under welding helmets
- Contoured neck buckles for comfort and quick attachment
- Adjustable head harness for a custom fit
- Attached exhale cover for easy inspection
- Easy mount bayonet cartridge/filter attachment

BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	400MMI7001	7000 Series Half Mask Respirator Facepiece - Size: S
	400MMI7002	7000 Series Half Mask Respirator Facepiece - Size: M
	400MMI7003	7000 Series Half Mask Respirator Facepiece - Size: L

BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	400MMI7801	7800 Series Premium Silicone Half Mask - Size: S
	400MMI7802	7800 Series Premium Silicone Half Mask - Size: M
	400MMI7803	7800 Series Premium Silicone Half Mask - Size: L

# HALF FACE MASK (APR)



7700 SERIES



5500 SERIES

## NORTH 7700/5500 SERIES HALF FACE MASK

- Contoured sealing flange and cradle suspension system eliminates discomfort caused by pressure points on facial nerves
- Direct cartridge-to-facepiece seal minimizes replacement parts and simplifies maintenance
- Does not interfere with protective eyewear

BRAND	PRODUCT CODE	DESCRIPTION
NORTH	400NSP770030X	7700 Series Half Mask, Silicone, Size (X): S/M/L
	400NSP550030X	5500 Series Half Mask, Size (X): S/M/L



## MSA ADVANTAGE 200LS

Advantage 200 LS respirators offer economy, unmatched fit, and comfort with a soft Blue facepiece. The advantage 200 LS respirator is approved by the National Institute for occupational safety and health (NIOSH) for use against a variety of respiratory hazards. Thermoplastic rubber subtracts a quarter of the weight and adds softness. Its patented MultiFlex system equalizes facepiece area pressure while delivering exceptional stability. The advantage 200 also features an AnthroCurve sealing surface that instantly conforms to each wearer's unique facial characteristics. This respirator is intended for use with all MSA advantage cartridges.

### Features and Benefits

- Offers unmatched fit and comfort.
- Patented multiflex system equalizes facepiece pressure.
- Lighter weight than other brands.



BRAND	PRODUCT CODE	DESCRIPTION
MSA	400MSA815700	Advantage 200LS Half-Face Respirator, Hyca, Size: Large
	400MSA815696	Advantage 200LS Half-Face Respirator, Hyca, Size: Small
	400MSA815692	Advantage 200LS Half-Face Respirator, Hyca, Size: Medium



# HALF FACE MASK (APR)

## BLS 8400

- **Simple Like A Disposable Protecting Like A Reusable:** This mask combines the simplicity of disposable products with the protection of the reusable ranges offering an easy-to-implement.
- **Activated Carbons:** They are produced without toxic additives such as Hexavalent Chromium (Cr VI) and are food grade certified (REGVE231/2017).
- **Facepiece:** Durable and hypoallergenic thermoplastic elastomer. It is certified for alimentary use and talcum perfumed.
- **Design And Visual Field:** A perfect seal without any unpleasant pressure on the nose or mouth of the user.
- **Filter Protective Layer:** Filtering material from dirt, dust and liquids as well as the normal mechanical stress.



8000 SERIES

BRAND	PRODUCT CODE	DESCRIPTION
BLS GROUP	400BGI8002091	8400 Free Half Masks With Thermoplastic Face Piece

## BLS 4000 NEXT SERIES

- **Easy And Fast Maintenance :** It can be disassembled in less than a minute making cleaning and maintenance much easier.
- **New Mask 25% Lighter :** The reduction in the thickness of the oronasal allowed a 25% reduction in the weight of the half mask.
- **Head Harness :** Thinner and lighter head harness, with a quick adjustment.
- **Drop-Off :** New front mask with quick attachment/release system and sliding elastics, which allow you to remove and lower the half mask without removing the head harness.
- **Bayonet Connection (b-lock) :** This connection is very intuitive, it allows a fast and safe fastening of the mask. It has a locking mechanism that allows the user to know if the filter has been placed correctly.
- **Compatible with :** BLS 200 Filters, BLS 4000next Premounted Kits.



4000 SERIES

BRAND	PRODUCT CODE	DESCRIPTION
BLS GROUP	400BGI8002111	4000(R) Next Semimaschera Thermoplastic Half Mask, Size S/M
	400BGI8002112	4000(R) Next Semimaschera Thermoplastic Half Mask, Size M/L
	400BGI8002113	4000(S) Next Semimaschera Silicone Half Mask, Size S/M
	400BGI8002114	4000(S) Next Semimaschera Silicone Half Mask, Size M/L

# FULL FACE MASK (APR)



9000 SERIES



## MOLDEX 9000 SERIES

- High-tech, streamlined design for exceptional worker acceptance.
- Exclusive over-molded lens offers greater field of vision.
- Lighter weight for superior all-day comfort.
- Less cost and easy maintenance with very few replacement parts.
- Stand-away head harness for easy donning and doffing.
- Lens stays away from flat surface when laid down to avoid scratching.
- Tear away lens protector included.
- Lens meets ANSI Z87+ for high impact requirements.
- 100% PVC-Free, like all Moldex products & packaging - for a greener alternative.

BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	400MMI9001	9000 Series Small Full Face Mask Respirator, Size: S
	400MMI9002	9000 Series Small Full Face Mask Respirator, Size: M
	400MMI9003	9000 Series Small Full Face Mask Respirator, Size: L



54001



76000

## NORTH DUAL CARTRIDGE

- Silicone facepiece material conforms to facial features and doesn't harden with age
- Oral nasal cup reduces fogging
- Speaking diaphragm makes communication easy
- 5-strap harness provides effective and comfortable facepiece-to-face seal
- Chin cup helps to position facepiece properly
- Neck strap allows wearer to park respirator when not in use
- Meets ANSI standards for impact and penetration resistance
- Hard coated polycarbonate lens provides an over 200° field of vision, protects the wearer's eyes and face against irritants and has excellent optics

BRAND	PRODUCT CODE	DESCRIPTION
NORTH	400NSP54001	Dual Cartridge Elastometric Full Facepiece, Size: M/L
	400NSP54001S	Dual Cartridge Elastometric Full Facepiece, Size: S
	400NSP760008A	7600 Series Dual Cartridge Silicone Full Facepiece, Size: M/L
	400NSP760008AS	7600 Series Dual Cartridge Silicone Full Facepiece, Size: S



# FULL FACE MASK (APR)

## BLS 5000 SERIES

- **Face Seal** : Available in soft thermoplastic rubber (BLS 5600) or silicone rubber (BLS 5700) both with FDA certification for a higher safety.
- **Bayonet Connection** : This connection is highly intuitive allowing a quick and safe hold on the mask. It has a locking feedback allowing the user to know if the filter has been properly placed.
- **Anti-Fog** : Designed to avoid visor fogging through the control of the cold and hot air flows inside the mask, instead of treatments which can easily be spoiled with use.
- **Visor** : Optical class 1 (EN 166), allows a panoramic visual field without optical distortions. A vitrification treatment on its surface makes it scratch resistant.
- **Harness** : Fixed on 6 points directly on the rigid body of the mask in order not to deform the face seal. It allows to distribute the weight of the respirator evenly without leaving face marks.



BRAND	PRODUCT CODE	DESCRIPTION
BLS GROUP	400BGI8001083	5600 Thermoplastic Rubber Full Face Mask
	400BGI8001036	5700 Silicone Rubber Full Face Mask
	400BGI8001097	5700/C Maschera Silicone + Antiacid Hood Full Face Mask

- **Face Seal** : Available in soft thermoplastic rubber (BLS 5150) or silicone rubber (BLS 5400) both with FDA certification for a higher safety.
- **Universal Connection** : Standard thread connection according to EN 148-1, universal among all respiratory protection devices.
- **Anti-Fog** : Designed to avoid visor fogging through the control of the cold and hot air flows inside the mask without perishable surface treatments.
- **Visor** : Optical class 1 (EN 166), allows a panoramic visual field without optical distortions. A vitrification treatment on its surface makes it scratch resistant.
- **Harness** : Fixed on 6 points directly on the rigid body of the mask in order not to deform the face seal. It allows to distribute the weight of the respirator evenly without leaving face marks.
- **Class 3** : The masks classified in class 3 offer greater resistance to radiant heat and flame.



BLS 5150



BLS 5400

BRAND	PRODUCT CODE	DESCRIPTION
BLS GROUP	400BGI8001035	5150 Class 3 Synthetic Rubber Full Face Mask
	400BGI8001039	5400 Class 3 Silicone Rubber Full Face Mask

# FULL FACE MASK (APR)



## MSA ADVANTAGE 3000 SERIES

Advantage 3000 comes in two versions, each in three different sizes. Choose between Advantage 3200 with bayonet connection and Advantage 3100 with EN 148 standard thread filter connection.

- Full face mask with single EN 148-1 threaded connection
- The soft seal of hypoallergenic silicone provides a pressure-free fit
- The large, optically corrected viewing screen provides a clear, non-distorted field of view
- Putting on the mask is incredibly fast, simple and without painful pulling on the hair. The patented Advantage strap set ensures a perfect fit of the face piece to the face
- Complies with standard EN 136: 1998 (class 3).



MSA 3100



MSA 3200

BRAND	PRODUCT CODE	DESCRIPTION
MSA	400MSA10027724	Advantage 3111 Full Facepiece - Small
	400MSA10027723	Advantage 3121 Full Facepiece - Medium
	400MSA10027725	Advantage 3131 Full Facepiece - Large
	400MSA10028996	Advantage 3200 Full Face Twin Respirator Silicone - Small
	400MSA10028995	Advantage 3200 Full Face Twin Respirator Silicone - Medium
	400MSA10028997	Advantage 3200 Full Face Twin Respirator Silicone - Large



# POWERED AIR PURIFYING RESPIRATORS (PAPR)

## RPB PX4/PX5 AIR PAPR

### Features :

- Complete Portability - Focus on the job without the limitation of attached airlines.
- Clean Breathing Air - Three-stage filter process: Spark Arrestor, Pre-filter, High-efficiency Filter Cartridge.

### Advantage :

- The LED system control interface provides information on fan speed and battery life as well as any warnings, should they occur.

### Unbeatable Comfort :

- Ergonomic Design - Designed to fit the contours of your back for maximum comfort.

### Design & Engineering :

- Breathing Tube - Flex hose with secure, quick-release bayonet fitting.
- Easy Air Flow Check - Check the air flow and filter condition with the flow control tester.
- Filter Cartridge - Highly-efficient, providing maximum filtration.



BRAND	PRODUCT CODE	DESCRIPTION
RPB SAFETY	410RPB03-901-FR-G	PX4 Air Complete Unit With FR Rated Belt - Global
	410RPB03-901-G	PX4 Air Complete Unit With Standard Belt - Global
	410RPB03-801-EUUK	PX5 PAPR Includes: Belt Support, 2 Inch Belt, Flow Meter, Battery, Battery Charger, Filters

## BULLARD PAPR

- Visual Fuel Gauge
- Active Flow Technology
- Integrated Alarms for flow and battery
- Ergonomic design for superior comfort for all day use
- Lightweight, sleek, and balanced
- Easy to share by simply changing head tops using the quick attachment feature



BRAND	PRODUCT CODE	DESCRIPTION
BLS GROUP	410BAPEVA2	PAPR Eva Eva1 Blower Evabelt1 Evabat1 Evasmc1 Pa1afi



# POWERED AIR PURIFYING RESPIRATORS (PAPR)

## TECMEN TM-H2 HOOD

(INCLUDES HOOD, HOSE, POWER UNIT, 1 FILTER)

### Higher safety standards

- This product is CE EN12941 certified. Its P3 filter has a 99.97% filtration efficiency.

### Extremely comfortable

- By providing positive-pressure air supply, you can be sure that filtered, clean air will make your mask-wearing experience a pleasant one.

### Clear, unobstructed vision

- Anti-fog properties ensure your work efficiency is never compromised.



BRAND	PRODUCT CODE	DESCRIPTION
TECMEN	410TEC200221	TM-H2 Hood With Freflow V1 Powered Air Purifying Respirator

## RPB Z100 ZYTEC FR HOOD WITH SAFETY LENS

- The RPB® Z100™ Series is the leading cost-effective replaceable and disposable armor on the market.
- The Z100™ is manufactured from RPB® Zytac® Fabric. It is a lightweight hood that offers superior comfort in comparison with conventional, tight, full-face respirators. The hood protects the operator's entire head, eliminating the need for a head sock.

Z100 ZYTEC  
FR HOOD



BRAND	PRODUCT CODE	DESCRIPTION
RPB SAFETY	410RPB07-160-S	Z100 Zytac Fr Hood With Safety Lens



# AIR HOOD (PAPR)



## RPB T100 TYCHEM 2000/4000 HOOD

- Tychem® is a lightweight hood offering superior comfort compared with a conventional, tight full-face respirator. The hood also protects the entire head of the operator eliminating the need for a head sock.
- The wide angle lens offers optimum vision to set a clear view of the job. The T100™ has been designed to be robust enough to reuse but cost effective enough to discard after use.

T100 TYCHEM  
2000 HOOD



T100 TYCHEM  
4000 HOOD



BRAND	PRODUCT CODE	DESCRIPTION
RPB SAFETY	410RPB07-110	T100 Tychem 2000 Hood
	410RPB07-150	T100 Tychem 4000 Hood

# AIR HOOD (PAPR)



## RPB Z-LINK RESPIRATOR

- The most versatile multi-purpose respirator on the planet. The RPB® Z-Link® serves the widest spectrum of industries and applications on the market including welding, grinding, pharma and chemical handling.
- Certifications include: NIOSH, CE, ANSI Z87+, ANSI Z89.1, ANSI Z87W and DIN plus. This is more than a product. It's a system. Engineered to advance your safety. Designed to increase your productivity. Work in comfort with the first-ever padded welding helmet.



BRAND	PRODUCT CODE	DESCRIPTION
RPB SAFETY	410RPB16-010-21	Z-Link Respirator, Includes: 16-810 Safety Lens Zytec FR Shoulder Cape

## RPB T-LINK RESPIRATOR

- Designed to work with you, not against you! Gone are the days of having to fight against a Tyvek® respirator. The RPB® T-Link® moves with the operator anywhere they turn.
- **Comfort-Link™ Fit System** -The Comfort-Link™ is an optional, fully-adjustable fit system that allows total control of helmet and head placement as well as making sure the T-Link® moves with your head.



BRAND	PRODUCT CODE	DESCRIPTION
RPB SAFETY	410RPB17-110-12-S	T-Link Respirator, Includes: 17-713-S Tychem Qc, Safety Lens, Bump Cap Assembly



# ESCAPE MASK



DURCOGOP

DURCOGO

## DURAM COGO SMOKE ESCAPE MASK

- Tested against CO, HCl, HCN and Propenal
- Compact and portable
- Durable and fire resistant
- Pre-assembled and easy to slip on
- High efficiency filter enables easy breathing
- One size fits all
- Certified to EN 403



DURKIMI+P

DURKIMI+

## DURAM KIMI PLUS ADVANCED CHEMICAL ESCAPE MASK

- Protects against organic gases and vapours with boiling point higher than 65°C, certain inorganic gases and vapours
- Tested against sulphuric gases and other acidic gases and vapours, ammonia and its derivatives
- Contains EN 14387:2004 approved ABEK1 gas filters with electrostatic particle filtration P2
- Compact and portable
- Durable and fire resistant
- Pre-assembled and easy to slip on



DURMASKITOP

DURMASKITO

## DURAM MASKITO COMPACT ESCAPE MASK

- Tested against HCl, SO<sub>2</sub>, C<sub>6</sub>H<sub>12</sub> and even Tear Gas (CS)
- Compact and portable
- Durable and fire resistant
- Pre-assembled and easy to slip on
- High efficiency filter enables easy breathing
- One size fits all

PRODUCT CODE	DESCRIPTION
400DURCOGO	Duram Cogo Smoke Escape Mask
400DURCOGOP	Duram Pouch For Cogo Smoke Escape Mask

PRODUCT CODE	DESCRIPTION
400DURKIMI+	Duram Kimi Plus Advanced Chemical Escape Mask
400DURKIMI+P	Duram Pouch For Kimi Plus Advanced Chemical Escape Mask

PRODUCT CODE	DESCRIPTION
400DURMASKITO	Duram Maskito Compact Escape Mask
400DURMASKITOP	Duram Pouch For Maskito Compact Escape Mask



# HONEYWELL SCBA

## HONEYWELL SCBA T8000 EN TYPE 2

- SCBA805MLK-T: with Buddy Breather, 6.8L 300Bar Composite Cylinder with gauge, EN 137:2006 Type 2, EN 136 Class III
- SCBA845: Basic Unit, EN 6.8L Carbon Cylinder, PANO Mask

### 1 Flexible Connector Demand Valve with Exceptional Mobility

- Technically superior push-to connect fittings, Banjo connector valves, function without tools and are easy to operate and allows more flexibility
- Minimizes pressure hose closer to user's chest to avoid risk of hose becoming hooked so creating more balanced load

### 2 Ergonomically Designed Harness System

- Medium and high pressured hose are positioned on both sides wrapped tightly against the back pack to ensure safety and balance
- Broadened straps ensure comfort and equipped with reflective stripes for easy observation in dark environments

### 3 Clarity of Vision with Pano Mask

- Wide panoramic vision provides exceptional all day comfort
- One size fits all
- Air click systems allows the users to snap the valves into place
- The face piece, internal half mask and skirt is made of a special substance called EPDM that provides optimal resistance in fire and chemical environments

### 4 Technologically-advanced High Pressure Hose with Chest Whistle

- In-built high pressure hose is equipped with exposure holes outside to ensure users safety
- Chest whistle in the front can be heard loud and clear so that the person hearing it can respond and be saved

### 5 Reliable Reducer System with Equalized Air Flow

- First stage reducer system provides safety and reliability
- The buddy breather outlet ensures the safety of the rescuer and rescued, by providing equalized and medium pressure of air flow to the rescued without decreasing it



BRAND	PRODUCT CODE	DESCRIPTION
HONEYWELL	400HONSCBA805MLK-T	T8000 SCBA, EN Type 2 with Buddy Breather
HONEYWELL	400HONSCBA845	T8000 SCBA, CE Basic Unit, Pano Mask

# DPI SELF-CONTAINED BREATHING APPARATUS (SCBA)

## 1 SFERA - Compliance with EN136-10

- Extra wide field of vision
- Wider face piece designed to accommodate most faces
- Replaceable anti-scratch and chemical proof coated polycarbonate lens
- High efficiency speech diaphragm
- Available in EPDM or silicone material



## 4 C2000 Pressure Reducer

- Balance design reducer, thus less moving parts
- C2000 reducer delivers a free flow of over 1000 L/min of air
- Internal geometry creates a minimum resistance to air flow, thus increasing the amount of air delivered
- Smooth breathing and total performance stability



## 2 Harness and Straps

- Self-extinguishing synthetic woven fabric and carbon fiber
- Anatomic back support plate made of self-extinguishing synthetic resin, reinforced with fiberglass
- Padded shoulder straps as a standard feature
- Medium pressure and high pressure hoses housed in shoulder straps and carrying handles for protection from fire and abrasions
- Designed to accommodate most cylinders (DIN thread)
- Quick release buckle, cylinder strap (flame resistance)



## 5 Self-contained Breathing Apparatus

- Conforms to EN 137 & 136, SOLAS/RINA approval according to the 96/98/CE Maritime Equipment Directives and EN 137 Type I/II
- Lightweight, ergonomically designed
- Self-extinguishing synthetic woven fabric & carbon fiber harness and straps
- Audible warning device
- Optional connection for second wearer

## 6 E400 Lung-Governed Demand Valve

- Quick release coupling with protector guard
- First inhalation demand
- Positive pressure with total performance stability



## 3 Cylinders

- Supplied in steel or composite material in various sizes



BRAND	PRODUCT CODE	DESCRIPTION
DPI	400DPI42000760	Light Steel Alloy Cylinders 6L x 300 Bars
DPI	400DPI42000780	Light Steel Alloy Cylinders 7L x 200 Bars
DPI	400DPI42000815	Composite Cylinder 6.8L x 300 Bars

BRAND	PRODUCT CODE	DESCRIPTION
DPI	400DPI43426122	DIABLO Industrial with SFERA and Plug In Connection
DPI	400DPI43428124	DIABLO Piz with SFERA Mask Plug In w/Quick Connection MP Hose w/o Cylinder
DPI	400DPI43429131	DIABLO Advanced w SFERA n Plug In Connection w Quick Couplings



# AIR LINE SYSTEM

## AIR SYSTEMS BREATHER BOX™

- Portable Grade-D filtration system: filters incoming air from a compressor to provide respirator users with Grade-D quality air and monitors for CO and/ or O<sub>2</sub>
- Filter change indicators are standard on 3 stages of filtration
- Filtration efficiency is 99.99% @ 0.01 microns



BRAND	PRODUCT CODE	DESCRIPTION
AIR SYSTEMS INC.	410ASIBB50-CO	Breather Box - 50cfm - 4 couplings
	410ASIBB30COIS	Intrinsically Safe Breather Box - 30cfm - 4 couplings
	410ASIBB50COIS	Intrinsically Safe Breather Box - 50cfm - 4 couplings
	410ASIBB100-CO	Breather Box - 100cfm - 4 couplings

## AIR SYSTEMS AUTO-AIR BREATHER BOX™

- Fully automatic reserve air system for work in hazardous environments
- Developed to provide Grade-D breathing air with automatic reserve air
- Automatically switches to the reserve air cylinder(s) in the event of a pressure or electrical failure
- Local and optional remote alarms signal the workers that primary air system has failed

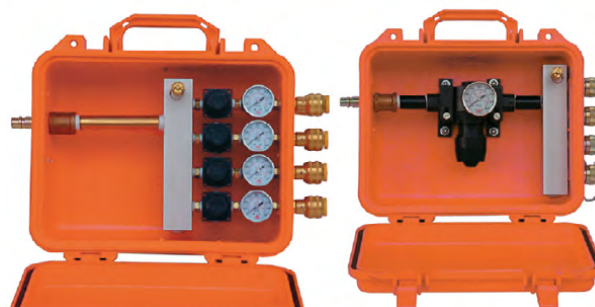


BRAND	PRODUCT CODE	DESCRIPTION
AIR SYSTEMS INC.	410ASIBB100COAAP	Intrinsically Safe Auto-Air Breather Box - 100cfm - 4 couplings
	410ASIBB50-COAAP	Intrinsically Safe Auto-Air Breather Box - 50cfm - 4 couplings

## AIR SYSTEMS REMOTE AIR MANIFOLDS

- Provides remote manifold capability for respirator users while complying with NIOSH regulations
- Consists of a regulator, pressure gauge, safety relief valve and fitting congruency necessary for proper respirator operation

BRAND	PRODUCT CODE	DESCRIPTION
AIR SYSTEMS INC.	410ASIPOA-4	Standard POA Box - 4 couplings
	410ASIPOA-4R	POA Box with 4 independent regulators





# AIR LINE SYSTEM

## AIR SYSTEMS EXPLOSION-PROOF AUTO-AIR™ COMPRESSOR

- Certified intrinsically safe CO Monitor
- 110 psi output air pressure, 3 couplings supplied
- Explosion-proof electric motor - 230/460VAC, 3 phase 50/60 HZ
- 25 foot power cord, no plug - order explosion-proof plug
- Full automatic back-up air feature, up to 5500 psi capability
- Pneumatic visual indicator and audible alarm for system failure
- ASME coded Twin-Air™ tank design for cool breathing air output
- Holds one back-up SCBA air cylinder, up to 4500 psi
- Air control panel with high pressure regulator
- 10" pneumatic tires



BRAND	PRODUCT CODE	DESCRIPTION
AIR SYSTEMS INC.	410ASITA3-AXAF50	Explosion-proof Compressor, Reserve Air Cylinder sold separately

## AIR SYSTEMS MULTI-PAK™ LARGE CYLINDER AIR CARTS

The Multi-Pak™ series of large air cylinder carts are designed for long duration industrial applications. The entire line of carts are built for easier mobility and function. The large cylinder carts incorporate features such as protected recessed control, an equipment storage box, narrow profile, 16" pneumatic tires and quick-release hose hangers.



BRAND	PRODUCT CODE	DESCRIPTION
AIR SYSTEMS INC.	410ASIMP-2300ENB	2-Cylinder Bottled Air Cart - 4500psi with BS 341 No.3 Bottle Connections

## AIR SYSTEMS AIR QUALITY TEST KIT

Air Systems' breathing air quality test kits are designed to test the air produced by compressors and compressed air in cylinders. These tests are accomplished through the use of low cost detector tubes that provide a "go/no go" test of the air quality. If a high reading is found, this signals the user that they have a potentially unacceptable quality of breathing air. If this occurs, a laboratory analysis of the air components must be made to determine the exact readings of air quality and take corrective action.



BRAND	PRODUCT CODE	DESCRIPTION
AIR SYSTEMS INC.	410ASILP/HP-A4K	Air Quality Test Kit w/case - Complete

# AIR LINE SYSTEM

## AIR SYSTEMS AIR-KADDY™

- The AIR-KADDY™ unique modular aluminium design allows for expansion as needed to accommodate your SCBA storage requirements. It's available in free standing, series 40 and vehicle style, series 24. All racks are lined with nylon pads to prevent cylinder scratches.

### SERIES 24: 25.25" W X 22.25" D

BRAND	PRODUCT CODE	DESCRIPTION
AIR SYSTEMS INC.	410ASIAK24-8	8 cylinder rack, 32" H
	410ASIAK24-11	11 cylinder rack, 48" H
	410ASIAK24-24	24 cylinder rack, 76" H

### SERIES 40: 37.5" W X 22.5" D

BRAND	PRODUCT CODE	DESCRIPTION
AIR SYSTEMS INC.	410ASIAK40-15	15 cylinder rack, 36" H

