

## INFORMATION FOR YOUR SAFETY

### F.Y.S. Welding Fumes and Gases

**Welding can expose you to a variety of fumes and gases that may be harmful. Help protect yourself with safety equipment designed specifically for the professional welder.**

National Institute for Occupational Safety and Health (NIOSH) studies suggest that welders have an increased risk of respiratory illness, including bronchitis, airway irritation, lung function changes and lung cancer<sup>1</sup>.

The most common sources of potentially harmful substances include welding fume by-products from the material being welded, coatings and welding consumables; grinding dust, and by-product gases such as ozone.

1. Health Effects of Welding, Antonini (Health Effects Laboratory Division, NIOSH), Critical Reviews in Toxicology, 2003.



*Request an informational brochure on Hexavalent Chromium (#MCM-156) and find out about the respiratory and contact dangers of Hexavalent Chromium and how to stay protected from them.*

## OSHA's Hexavalent Chromium Standard

The Occupational Safety and Health Administration's (OSHA) final Hexavalent Chromium Cr(VI) Standard states the new permissible exposure limit (PEL) for Cr(VI) is 5ug/m<sup>3</sup> (micrograms per cubic meter) as an eight-hour time-weighted average (TWA). There are three standards for different industries — General Industry (1910.1026); Construction (1926.1126); and Shipyards (1915.1026). The respiratory protection requirements for the three standards are similar. The standards require employers in these industries to make an exposure determination to establish whether

they are in compliance with the new exposure limit. They all require the respiratory protection program, including respirator selection to be in compliance with OSHA 1910.134.

According to OSHA, the main industries affected, but are not exclusive, are stainless steel fabrication, manufacturers of heavy-duty coatings and paints, electroplating operations and producers of chrome-based pigments. Operations include the production of chromate pigments and powders, chromic acid, chromium catalysts, dyes and coatings. Employees who are working near chrome electroplating; those

who are welding stainless steel, high chrome alloys and chrome-coated metal; applying and removing chromate-containing paints and other surface coatings are affected as well. Airborne particles of chromium dust can also contaminate hands, clothing, beards, food, and beverages.

Health effects include lung cancer in workers who breathe airborne hexavalent chromium, irritation or damage to the nose, throat, and lungs (if hexavalent chromium is breathed at high levels), and irritation or damage to the eyes and skin (if hexavalent chromium contacts these organs in high concentrations). For a complete copy of the standard please refer to OSHA's website at [www.osha.gov](http://www.osha.gov). OSHA also has available their Small Entity Compliance Guide available for the Hexavalent Chromium Standards: [www.osha.gov/Publications/OSHA\\_small\\_entity\\_comp.pdf](http://www.osha.gov/Publications/OSHA_small_entity_comp.pdf)

CONTAMINANT/ APPLICATION	POTENTIAL HEALTH EFFECTS FROM OVER EXPOSURE <sup>2,3</sup>
Steel/Manganese Alloys Stainless Steel Aluminum Galvanized Steel Cadmium Lead	Pneumoconiosis, Siderosis, Central Nervous System effects Pneumoconiosis, kidney effects, lung irritation, cancer Respiratory irritation (due to ozone) Metal Fume Fever Metal Fume Fever, respiratory irritation, lung cancer, kidney effects Central Nervous System effects, systemic poisoning
Ozone Carbon Monoxide Carbon Dioxide Phosgene Oxides of Nitrogen	Respiratory irritation, lung congestion, bronchitis, headache, dry throat Anoxia, Central Nervous System effects Asphyxiation Respiratory irritation, anoxia, pulmonary edema Respiratory irritation and edema

2. Documentation of TLVS and BEIS, American Conference of Governmental Industrial Hygienists, 7th. edition, 2004.  
3. Clayton, G.D., Clayton, F.E. Patty's Industrial Hygiene and Toxicology, Vol II New York John Wiley and Sons Inc., 1994.

Respiratory Protection Based on Types of Contaminants Found in Welding Operations	For Up to 10x Applicable Exposure Limits					For Up to 50x Exposure Limits <small>APF of 50 when quantitatively fit tested. APF of 10 when qualitatively fit tested.</small>			For Up to 25x Exposure Limits	
	Particulate Respirators		Welding Respirators			Air Purifying/PAPR/SAR Facepiece Respirators 6000 & 7000 Series Half Facepieces		PAPR/SAR Elastomeric Respirators 6000 & 7000 Series Full Facepieces	PAPR Loose-Fitting Facepiece Respirators	Airline Systems
Contaminant/Application	8210	8511	8515	8512	8214	2091	2097	7093	3M <sup>™</sup> Speedglas <sup>™</sup> with Adflo <sup>™</sup>	3M <sup>™</sup> Freshair III Supplied Air System
<b>Particles</b>										
General Dust	■	■	■	■	■	■	■	■	■	■
<b>Metal Fumes</b>										
Steel/Manganese Alloys	■	■	■	■	■	■	■	■	■	■
Stainless Steel	■	■	■	■	■	■	■	■	■	■
Aluminum	■	■	■	■	■	■	■	■	■	■
Galvanized Steel	■	■	■	■	■	■	■	■	■	■
Cadmium						■	■	■	■	■
Lead						■	■	■	■	■
<b>Gases</b>	Respirator recommended when contaminants are above regulatory limits									
Ozone					■*		■*			■
Carbon Monoxide										■
Carbon Dioxide										■
Phosgene										■
Oxides of Nitrogen										■

\* 3M<sup>™</sup> recommended for applications where ozone and nuisance level organic vapors may be present. 3M<sup>™</sup> recommended for ozone protection up to 10 times the OSHA PEL or applicable government occupational exposure limits, whichever is lower. Not NIOSH approved for use against ozone. 3M<sup>™</sup> recommended for relief from nuisance levels of organic vapors. Nuisance level organic vapors refer to concentrations not exceeding the OSHA PEL, or applicable government occupational exposure limits whichever is lower. Do not use when concentrations of contaminants are immediately dangerous to life and health or are unknown. Please see our web sites [www.3m.com/occsafety](http://www.3m.com/occsafety), [www.Speedglas.com](http://www.Speedglas.com), or call 1-800-896-4223.

INFORMATION FOR YOUR SAFETY

# F.Y.S. Respiratory Icons

The following icons were created and placed on pages 61-69 to help you choose the right disposable respirator for your application and needs.



**Welding**  
Designed to be flame resistant/retardant for applications such as welding, soldering and other operations where metal fumes and sparks are present



**Adjustable Straps**  
Fully adjustable straps help provide a custom and secure fit



**Faceseal**  
Soft and secure, the faceseal conforms closely to the face for additional comfort



**Latex Free**  
Does not contain natural rubber latex components which have shown to cause allergic reactions in some individuals



**Flat Fold**  
Flat-fold design allows for convenient storage and portability prior to use



**Individually Packaged**  
Perfect for keeping the respirator clean until it's ready to use

## Solutions by Contaminant: Particles

From foundry work to woodworking, people in many industries require protection from airborne particles. Sweeping, sanding, grinding, sawing, bagging — each creates a unique set of demands, especially given environmental considerations such as heat and

humidity. Lightweight filtering facepiece respirators are designed for wearer comfort.



All 3M™ Respirators on this page are NIOSH 42CFR84 approved.

### A. 3M™ Particulate Respirator 8210, 8210Plus, and 8110S, N95

- Quality, reliable worker protection
- Lightweight construction
- Adjustable noseclip helps provides a custom fit
- 3M™ proprietary filter media
- 8210Plus also features a staple-free braided comfort strap
- **MADE IN USA**



Part Number	Description	Packaged	Price
3MR8210	Particulate Respirator 8210, N95	20/bx	18.20
3MR8210PLUS	Particulate Respirator 8210Plus, N95	20/bx	21.20
3MR8110S	Particulate Respirator 8110Small, N95	20/bx	18.80

### B. 3M™ Particulate Respirator 8511, N95

- For work settings that involve heat, humidity, or long periods of wear
- Features Advanced Electret Media and 3M™ Cool Flow™ Exhalation Valve for easy exhalation and cool comfort
- Adjustable M-noseclip to provide comfort and to help reduce eyewear fogging
- **MADE IN USA**



Part Number	Description	Packaged	Price
3MR8511	Particulate Respirator 8511, N95	10/bx	21.30

### C. 3M™ Particulate Respirator 8510, N95

- Adjustable M-Noseclip
- Braided Headbands
- 3M™ Proprietary Filter Media
- Fluid resistant as tested according to ASTM F1862
- Passes the highest level of fluid resistance at 160 mm Hg
- Used in applications where fluid resistance is desired



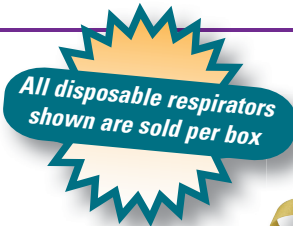
Part Number	Description	Packaged	Price
3MR8510	Particulate Respirator 8510, N95	10/bx	11.40

### D. 3M™ Particulate Respirator 8211, N95 with Faceseal

- Offers all the great features of the 3M™ Particulate Respirator 8511, plus a comfortable foam face seal
- Uniquely designed to help provide protection against certain non-oil based particles
- Ideally suited for work setting that involve heat, humidity, or long periods of wear
- **MADE IN USA**



Part Number	Description	Packaged	Price
3MR8211	Particulate Respirator, 8211, N95	10/bx	31.10



- Head and Face Protection
- Hearing Protection
- Respiratory Protection
- Instrumentation Confined Space
- Fall Protection
- Hand Protection
- Protective Workwear
- First Aid Products
- Safety Control & Management
- Facility Supplies
- Flammable Storage



All disposable respirators shown are sold per box



All 3M™ Respirators on this page are NIOSH 42CFR84 approved.

Head and Face Protection

Hearing Protection

Respiratory Protection

Instrumentation Confined Space

Fall Protection

Hand Protection

Protective Workwear

First Aid Products

Spill Control & Containment

Facility Supplies

Flammable Storage

A



### A. 3M™ Particulate Respirator 8200, N95

- Low cost N95 option
- Suggested for grinding, sanding, sweeping and other dusty operations
- Adjustable noseclip, two-strap design and dual point attachment help provide a secure fit
- Electrostatically charged microfibers are designed for ease of breathing



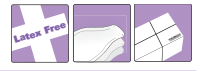
Part Number	Description	Packaged	Price
3MR8200	Particulate Respirator 8200, N95	20/bx	11.60

B



### B. 3M™ VFlex™ Particulate Respirators 9105 and 9105S, N95

- V-shaped pleats flex with mouth movement for easier talking
- Adjustable noseclip helps provide a custom fit and secure seal
- Flat-fold convenience
- Tabs on the side are designed as handles for easy positioning of the respirator on your face to achieve a comfortable fit
- 3M™ proprietary filter media
- Available in two sizes to fit a broad range of faces
- Embossed front panel helps the respirator to retain its shape
- Spacious inside with minimal impact on field of vision



Part Number	Description	Packaged	Price
3MR9105	VFlex™ Particulate Respirator 9105 Standard Size, N95	50/bx	29.00
3MR9105S	VFlex™ Particulate Respirator 9105S Small Size, N95	50/bx	29.00

### C. 3M™ Particulate Respirators 9210, and 9211 N95 with Exhalation Valve

- Three-panel, low-profile
- Individually packaged to help prevent contamination and allows for easy dispensing
- Comfortable noseclip, 9211 also features 3M™ Cool Flow™ Exhalation Valve



Part Number	Description	Packaged	Price
3MR9210	Particulate Respirator 9210, N95	20/bx	26.20
3MR9211	Particulate Respirator 9211, N95	10/bx	23.10

C



### D. 3M™ Particulate Respirator 8271, P95

- Appropriate for use against certain oil and non-oil based applications
- Faceseal and M-noseclip helps provide a custom fit
- 3M™ Cool Flow™ Exhalation Valve offers easy exhalation and cool comfort
- Advanced Electret media is designed for ease of breathing
- **MADE IN USA**



Part Number	Description	Packaged	Price
3MR8271	Particulate Respirator 8271, P95	10/bx	35.10

D





## Solutions by Contaminant: Nuisance Odors

3M™ Filtering Facepiece Respirators include a wide range of models that help reduce exposure to certain aerosol particles and provide nuisance odor relief. These respirators are ideal for dusty conditions where nuisance levels of organic vapor or acid gases are present below OSHA permissible exposure levels,

or applicable government occupational exposure limits, whichever is lower. They offer a lightweight, comfortable alternative to conventional half facepiece respirators.

All 3M™ Respirators on this page are NIOSH 42CFR84 approved.

### A. 3M™ Particulate Respirator 8516, N95 with Nuisance Level\* Acid Gas Relief

- Work settings that involve heat, humidity and long periods of wear
- Helps provide comfortable, worker protection against certain non-oil based aerosol particles and relief from nuisance\* levels of acid gases such as sulfur dioxide, hydrogen fluoride and/or chlorine
- 3M™ technologies include; 3M™ Cool Flow™ Exhalation Valve, Advanced Electret Media, odor removing filter material and M-noseclip
- **MADE IN USA**

Part Number	Description	Packaged	Price
3MR8516	Particulate Respirator 8516, N95	10/bx	39.40

### B. 3M™ Particulate Respirator 8246, R95 with Nuisance Level\* Acid Gas Relief

- Helps provide protection against certain oil and non-oil based aerosol particles along with relief from nuisance levels\* of acid gases such as sulfur dioxide, hydrogen fluoride and/or chlorine
- Applications include aluminum smelting, brewery operations, chemical and paper processing and glass etching
- Features include advanced electret media and odor removing filter material
- **MADE IN USA**

Part Number	Description	Packaged	Price
3MR8246	Particulate Respirator 8246, R95	20/bx	70.60

### C. 3M™ Particulate Respirator 8247, R95 with Nuisance Level\* Organic Vapor Relief

- Ideal for foundry operations, lab settings, petrochemical manufacturing, undercoating and agricultural applications
- Helps provide protection against certain oil and non-oil based particles including those present with nuisance levels\* of organic vapors such as solvents, degreasers and resins
- No spare parts to clean and maintain
- Advanced electret media and odor removing filter material
- **MADE IN USA**

Part Number	Description	Packaged	Price
3MR8247	Particulate Respirator 8247, R95	20/bx	70.80

### D. 3M™ Particulate Respirator 8576, P95 with Nuisance Level\* Acid Gas Relief

- Economical, easy to use, and maintenance-free
- P-series filter carbon layer for nuisance level\*, acid gas relief and the 3M™ Cool Flow™ Exhalation Valve
- Adjustable M-noseclip helps secure the respirator for a comfortable fit
- **MADE IN USA**

Part Number	Description	Packaged	Price
3MR8576	Particulate Respirator 8576, P95	10/bx	45.00

### E. 3M™ Particulate Respirator 8577, P95 with Nuisance Level\* Organic Vapor Relief

- Features P-series filters and nuisance level odor removing filter material
- Helps provide protection against certain oil and non-oil based particles including those present with nuisance levels\* of organic vapors such as solvents, degreasers and resins
- Features the 3M™ Cool Flow™ Exhalation Valve, Advanced Electret Media and M-noseclip
- **MADE IN USA**

Part Number	Description	Packaged	Price
3MR8577	Particulate Respirator 8577, P95	10/bx	45.20

\* Nuisance level refers to concentrations less than the OSHA PEL or applicable government occupational exposure limits, whichever is lower.

All 3M™ Filtering Facepiece Respirators shown on this page contain no components made from natural rubber latex.



All disposable respirators shown are sold per box

- Head and Face Protection
- Hearing Protection
- Respiratory Protection
- Instrumentation Confined Space
- Fall Protection
- Hand Protection
- Protective Workwear
- First Aid Products
- Spill Control & Containment
- Facility Supplies
- Flammable Storage



# Disposable Respirators



## Solutions by Contaminant: Welding & Metal Fumes

Heat, Sparks, Odor and Harmful particles. These are some of the many factors to consider when selecting respirators for welding, brazing, soldering and metal pouring. 3M™ Filtering Facepiece Respirators are compatible with many welding hoods, faceshields and safety glasses. 3M™ technologies such as cake-resistant filter media and durable outer shells provide for better performance in welding and other metal

fume environments. Carbon loaded respirators such as the 8214 and 8514 are well suited for situations with nuisance odors or when ozone protection up to 10 times the OSHA PEL is needed.

All 3M™ Respirators on this page are NIOSH 42CFR84 approved.

Head and Face Protection

Hearing Protection

Respiratory Protection

Instrumentation and Space

Fall Protection

Hand Protection

Protective Workwear

First Aid Products

Spill Control & Containment

Facility Supplies

Flammable Storage

**A**



### A. 3M™ Particulate Welding Respirator 8212, N95 with Face Seal 8512, N95 without a Foam Face Seal

- Adjustable straps and a face seal, 8212 only
- Cake-resistant filter media
- Advanced Electret Media
- 3M™ Cool Flow™ Exhalation Valve offers easy exhalation for cooler comfort
- Fits under most welding hoods
- **MADE IN USA**
- Sold per box



Part Number	Description	Packaged	Price
3MR8212	Particulate Welding Respirator 8212, N95	10/bx	62.20
3MR8512	Particulate Welding Respirator 8512, N95	10/bx	58.10

**B**



### B. 3M™ Particulate Welding Respirators 8214 and 8514, N95

- Includes proprietary advanced electret media, 3M™ Cool Flow™ Exhalation Valve, adjustable straps, conformable face seal (8214 only) and cake-resistant filter material
- Provides relief from nuisance level\* organic vapors and ozone
- 3M™ recommended for ozone protection up to 10 times the OSHA PEL or applicable exposure limits, whichever is lower (Not NIOSH approved for ozone)
- **MADE IN USA**
- Sold per box



Part Number	Description	Packaged	Price
3MR8214	8214, N95 Respirator/Nuisance Level* Organic Vapor Relief with Face Seal	10/bx	74.30
3MR8514	8514, N95 Respirator/Nuisance Level* Organic Vapor Relief	10/bx	66.00

\* Nuisance level refers to concentrations less than the OSHA PEL or applicable government occupational exposure limits, whichever is lower.

**C**



### C. 3M™ Particulate Welding Respirator 8515, N95

- Proprietary one-way 3M™ Cool Flow™ Exhalation Valve
- M-noseclip and lightweight construction
- Features a 3M™ welding web offering flame resistant protective layers as demonstrated per ASTM 02859-96
- Not a substitute for a faceshield
- **MADE IN USA**
- Sold per box



Part Number	Description	Packaged	Price
3MR8515	Particulate Respirator 8515, N95	10/bx	28.80

## Solutions by Contaminant: Substance Specific

Lead. Cadmium. Arsenic. 4,4'-Methylenedianiline (MDA). These contaminants are regulated by OSHA and require the use of Class 100 filters. They are found in many industries and jobs. 3M™ offers comfortable, disposable filtering facepiece options that meet the OSHA requirements for these exposures. Features such as the 3M™ Cool Flow™ Exhalation Valve offers easy exhalation and cool comfort. Comfortable face seals and adjustable straps help provide a good seal.

Class 100 filters are available for both oil and non-oil applications. Do not use for asbestos exposure.

**D**



### D. 3M™ Particulate Respirator 8233, N100

- Ideal for exposures to OSHA substance specific particulates in non-oil environments: lead, cadmium, arsenic, and 4,4'-Methylenedianiline (MDA), (excluding asbestos)
- Use for solids including those processes involving the heating of metals
- Features the 3M™ Cool Flow™ Exhalation Valve Advanced Electret Media, face seal and adjustable straps
- **MADE IN USA**
- Sold individually



Part Number	Description	Price
3MR8233	Particulate Respirator 8233, N100	8.95

**E**



### E. 3M™ Particulate Respirator 8293, P100

- Used for OSHA substance specific particulate exposure in oil and non-oil aerosol environments (excluding asbestos)
- Adjustable noseclip helps provide a custom fit, secure seal and helps reduce eyewear fogging
- Includes 3M™ Cool Flow™ Exhalation Valve, Advanced Electret Media, face seal and adjustable straps
- **MADE IN USA**
- Sold individually



Part Number	Description	Price
3MR8293	Particulate Respirator 8293, P100	10.11

All 3M™ Filtering Facepiece Respirators shown on this page contain no components made from natural rubber latex.



All Respirators on this page are NIOSH 42CFR84 approved.

### A. Dirt Dawgs® 1200 N95 Particulate Respirator

- Made with a Dura-Mesh® shell that protects the filter media from dirt and prevents the mask from collapsing
- Used in a variety of industrial applications at an economical price
- Contour molded nose bridge seals easily and comfortably
- The Softspun® inner lining adds comfort and durability
- Meets heat and flame resistance in accordance with ANSI/ISEA 110-2003 Section 7.11.1
- Sold per box

Part Number	Description	Packaged	Price
MOL1200N95	Dirt Dawgs® 1200 N95 Medium/Large	20/bx	21.22

### B. 2200N95 Particulate Respirators

- Constructed with a sturdy Dura-Mesh® shell and Softspun® lining
- Long lasting and comfortable to wear for dust and non-oil mist applications
- Soft foam nose cushion eliminates pressure points for added comfort
- Meet heat and flame resistance in accordance with ANSI/ISEA 110-2003 Section 7.11.1
- Sold per box

Part Number	Description	Packaged	Price
MOL2200N95	2200 N95 Medium/Large	20/bx	23.48
MOL2201N95	2200 N95 Small	20/bx	23.48
MOL2207N95	2200 N95 Low Profile Nose Bridge	20/bx	23.48
MOL2200N95HV	2200 N95 Hi-Vis Green	20/bx	25.08
MOL2250	Respirator Locker® (5) 2200N95	5/locker	8.06

### C. 2300N95 Particulate Respirators with Exhalation Valve

- Featuring a Dura-Mesh® shell and Softspun® lining
- Include an exhalation valve to make breathing cooler and easier
- Suitable for non-oil welding applications
- Respirators meet heat and flame resistance in accordance with ANSI/ISEA 110-2003 Section 7.11.1
- Sold per box

Part Number	Description	Packaged	Price
MOL2300N95	2300 N95 Medium/Large	10/bx	28.21
MOL2301N95	2300 N95 Small	10/bx	28.21
MOL2307N95	2300 N95 Low Profile	10/bx	28.21
MOL2350	Respirator Locker® (5) 2300N95	5/locker	16.26

### D. 2400N95 Particulate Welding Respirator Plus Nuisance Levels of Ozone/OV

- Protects against most non-oil welding fumes and gives relief from nuisance levels of organic vapors and ozone
- Contour of the facepiece maintains a good seal without a metal noseband
- Meets heat and flame resistance in accordance with ANSI/ISEA 110-2003 Section 7.11.1
- Exclusive Dura-Mesh® resists collapsing in regular use and even under hot and humid conditions
- Use with a welding shield or helmet at all times
- Sold per box

Part Number	Description	Packaged	Price
MOL2400N95	2400 N95 Respirator, Medium/Large	10/bg	46.58

### E. 2500N95 Particulate Respirator Plus Nuisance Levels of Acid Gas

- Effective in environments where nuisance levels of acid gas irritants are present, such as paper mills and chemical processing plants
- Features a Dura-Mesh® shell and exhalation valve for sturdy, comfortable protection
- Meets heat and flame resistance in accordance with ANSI/ISEA 110-2003 Section 7.11.1
- Sold per bag

Part Number	Description	Packaged	Price
MOL2500N95	2500 N95 Respirator, Medium/Large	10/bg	48.39

## INFORMATION FOR YOUR SAFETY

**F.Y.S.** Environmentally Friendly

Moldex® offers a full line of respirators that are PVC Free.



Head and Face Protection

Hearing Protection

Respiratory Protection

Instrumentation Confined Space

Fall Protection

Hand Protection

Protective Workwear

First Aid Products

Spill Control & Containment

Facility Supplies

Flammable Storage



# Disposable Respirators



All Respirators on this page are NIOSH 42CFR84 approved.

Head and Face Protection

Hearing Protection

Respiratory Protection

Instrumentation Confined Space

Fall Protection

Hand Protection

Protective Workwear

First Aid Products

Spill Control & Containment

Facility Supplies

Flammable Storage



A



B



C



D

## A. 2600N95 Particulate Respirators with HandyStrap®

- Ideal for welding, soldering, brazing, grinding, sweeping, sanding, metal machining, cement, polishing and buffing applications
- Feature an exclusive Dura-Mesh® shell that protects the filter media
- Softspun® lining and soft foam nose cushion keep the respirator comfortable
- HandyStrap® with buckle allows mask to hang loosely around the user's neck
- Black mask series keeps the mask cleaner looking which helps prevent premature disposal before the filter is used up
- Available in two sizes
- Use with or without a welding shield or helmet
- Meet heat and flame resistance in accordance with ANSI/ISEA 110-2003 Section 7.11.1
- Sold per box



Part Number	Description	Packaged	Price
MOL2600N95	2600 N95 Medium/Large, White	15/bx	21.11
MOL2601N95	2600 N95 Small, White	15/bx	21.11
MOLM2600N95	M2600 N95 Medium/Large, Black	15/bx	24.08
MOLM2601N95	M2600 N95 Small, Black	15/bx	24.08

## B. 2700N95 Particulate Respirators with HandyStrap® and Ventex® Valve

- Feature a Ventex® valve for cool comfort and a HandyStrap® with buckle allows mask to hang loosely around the user's neck
- Contain a Dura-Mesh® shell and Softspun® lining
- Soft foam nose cushion eliminates pressure points
- The black mask series keeps the mask looking cleaner
- Meet heat and flame resistance in accordance with ANSI/ISEA 110-2003 Section 7.11.1
- Sold per box



Part Number	Description	Packaged	Price
MOL2700N95	2700 N95 Medium/Large, White	10/bx	33.41
MOL2701N95	2701 N95 Small, White	10/bx	33.41
MOLM2700N95	M2700 N95 Medium/Large, Black	10/bx	37.18
MOLM2701N95	M2701 N95 Small, Black	10/bx	37.18

## C. 2800N95 Particulate Respirators with HandyStrap® for Nuisance Levels of Ozone and Organic Vapor Odors

- Premium welding respirator contains an added carbon layer that helps relieve nuisance levels of ozone and organic vapor odors, making it suitable for most welding fumes
- The Ventex® valve keeps breathing cool and easy
- HandyStrap® with buckle keeps mask conveniently ready for use as it hangs loosely around the user's neck
- Soft foam nose cushion fits mask snugly yet comfortably to face without pressure points
- Meet heat and flame resistance in accordance with ANSI/ISEA 110-2003 Section 7.11.1
- The 2850 Respirator Locker® provides hygienic and convenient storage for four 2800 N95 masks (included), saving time and preventing unnecessary waste
- Can be used with a welding shield or helmet
- Sold per box



Part Number	Description	Packaged	Price
MOL2801N95	2801 N95 Small, White	10/bx	50.00
MOL2800N95	2800 N95 Medium/Large, White	10/bx	50.00
MOLM2801N95	M2801 N95 Small, Black	10/bx	56.65
MOLM2800N95	M2800 N95 Medium/Large, Black	10/bx	56.65
MOL2850	2850 N95 Respirator Locker® (4) 2800N95	1/pk	22.23

## D. 2310 and 2315 N99 Premium Welding Respirators

- Include an exhalation valve which reduces hot air buildup, exclusive Dura-Mesh® shell resists collapsing in hot, humid environments
- Contour molded nose bridge and soft foam nose cushion seals without a metal noseband
- 2315 features adjustable cloth straps for secure fit
- Meet heat and flame resistance in accordance with ANSI/ISEA 110-2003 Section 7.11.1
- Can be used with a welding shield or helmet
- Sold per bag



Part Number	Description	Packaged	Price
MOL2310N99	2310 N99 Premium Respirator	10/bg	41.02
MOL2315N99	2315 N99 Premium Respirator, Adjustable Cloth Straps	10/bg	50.71





All Respirators on this page are NIOSH 42CFR84 approved.

### A. EZ-ON® N95 Particulate Respirators

- Eliminate the hassle of putting on and taking off your respirator
- Flexwing® design only has one adjustable cotton strap
- Collapse-resistant Dura-Mesh® shell maintains its shape throughout the workday
- Available with or without a Ventex® exhalation valve
- Meet heat and flame resistance in accordance with ANSI/ISEA 110-2003 Section 7.11.1
- Sold per bag



Part Number	Description	Packaged	Price
MOLEZ22	EZ22 EZ-ON® N95 Medium/Large	10/bg	14.07
MOLEZ22S	EZ22S EZ-ON® N95 Small	10/bg	14.07
MOLEZ23	EZ23 EZ-ON® N95 Med/Large with Exhale Valve	10/bg	33.41
MOLEZ23S	EZ23S EZ-ON® N95 Small with Exhale Valve	10/bg	33.41

### B. R95 Series Particulate Respirators with HandyStrap®

- Providing protection against at least 95% of oil and non-oil based particulate aerosols
- Feature a Dura-Mesh® shell that holds its shape in heat and humidity
- Comfortable stretch cloth HandyStrap®, Ventex® valve and soft foam nose cushion add comfort
- 2840 R95 has an added carbon layer that helps relieve workers of nuisance levels of ozone and organic vapors
- Sorbent layer in the 2940 R95 helps relieve wearers of nuisance levels of acid gas irritants
- Meet heat and flame resistance in accordance with ANSI/ISEA 110-2003 Section 7.11.1
- Sold per box

Part Number	Description	Packaged	Price
MOL2740R95	2740 R95 Medium/Large	10/bx	36.23
MOL2840R95	2840 R95 Medium/Large (OV)	10/bx	54.02
MOL2940R95	2940 R95 Medium/Large (AG)	10/bx	55.27

### C. 2730 N100 Particulate Respirators with HandyStrap®

- Recommended for environments where an OSHA substance specific standard applies (lead, cadmium, arsenic, MDA), pharmaceutical manufacturing, welding, cutting, brazing, torch cutting and metal pouring
- 99.97% effective against non-oil based particulates
- Dura-Mesh® shell protects filter media
- Softspun® lining, soft foam face cushion, Ventex® valve and stretch cloth HandyStrap® with buckle keep mask cool and comfortable, yet securely fitted to wearer
- HandyStrap® allows mask to hang around the user's neck when not in use
- N100 Particulate Respirator is available in two sizes
- Use with a welding shield or helmet
- Meet heat and flame resistance in accordance with ANSI/ISEA 110-2003 Section 7.11.1
- Sold per box or individually bagged

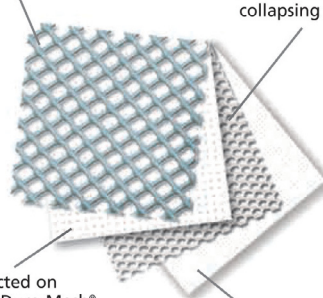


Part Number	Description	Packaged	Price
MOL2730N100	2730 N100 Medium/Large	5/bx	38.10
MOL2730AN100	2730A N100 Medium/Large, Individually Bagged	1/bg	8.28
MOL2731N100	2731 N100 Small	5/bx	38.10

## The Dura-Mesh® Advantage

Outer Dura-Mesh® keeps respirator cleaner looking.

Inner Dura-Mesh® prevents collapsing from heat and humidity.



Filter is protected on both sides by Dura-Mesh®

Softspun® lining is comfortable against the face.

### D. 2360 P100 Particulate Respirator

- 99.97% efficient against oil and non-oil based particulates making it ideal in environments where an OSHA substance specific standard applies (lead, cadmium, arsenic, MDA) as well as for pharmaceutical manufacturing, conventional and nuclear power generation, welding, cutting and metal pouring applications
- Includes a soft foam face cushion, Ventex® valve, and adjustable stretch cloth straps
- Dura-Mesh® shell resists collapse, even in heat and humidity and protects filter media
- Use with a welding shield or helmet
- Meets heat and flame resistance in accordance with ANSI/ISEA 110-2003 Section 7.11.1
- Sold per bag

Part Number	Description	Packaged	Price
MOL2360P100	2360 P100 Respirator	5/bg	49.86

Head and Face Protection  
Hearing Protection  
Respiratory Protection  
Instrumentation Contained Space  
Fall Protection  
Hand Protection  
Protective Workwear  
First Aid Products  
Spill Control & Containment  
Facility Supplies  
Flammable Storage



# RADNOR®

*All disposable respirators shown are sold per box*

Radnor® N95 Disposable Particulate Respirators come in three different styles to meet your respiratory needs. The Radnor® N95 disposable respirator is the standard respirator which can be used in most applications where the removal of airborne particulate is a must. For added breathability and comfort, use the Radnor® N95 disposable respirator with exhalation valve. Use the Radnor® N95 disposable flame resistant respirator with exhalation valve to protect against containments when welding and when oil aerosols are not present. Whatever your needs are, you'll be able to find the right Radnor® mask for your application, as long as there's no oil in the air.

Head and Face Protection

Hearing Protection

Respiratory Protection

Instrumentation Confined Space

Fall Protection

Hand Protection

Protective Workwear

First Aid Products

Spill Control & Containment

Facility Supplies

Flammable Storage



### A. Disposable Respirator, N95

- Adjustable nose clip
- Soft nose foam
- Patented filter media



Part Number	Description	Packaged	Price
RAD64059510	Disposable Respirator	20/bx	13.80

### B. Disposable Respirator with Valve, N95

- Adjustable nose clip
- Soft nose foam
- Patented filter media
- Exhalation valve for cooler and easier breathing



Part Number	Description	Packaged	Price
RAD64059520	Disposable Respirator with Valve	10/bx	13.90

### C. Flame Resistant Disposable Respirator with Valve, N95

- Adjustable nose clip
- Soft nose foam
- Patented filter media
- Flame resistant material
- Exhalation valve for cooler and easier breathing



Part Number	Description	Packaged	Price
RAD64059530	Flame Resistant Disposable Respirator with Valve	10/bx	21.60

All Radnor® N95 respirators are NIOSH 42CFR84 approved









by Honeywell

**A. North® N95 Foldable Disposable Respirators**

- One size fits most
- With and without valve
- Individually wrapped
- Dispenser box
- Large nose pad
- Integrated nose clip
- Soft and flexible material
- Ideal for very dusty environments







Part Number	Description	Packaged	Price
NOS7230N95	Disposable Respirator N95 Individually Wrapped	20/bx	24.20
NOS7240N95	Disposable Respirator N95 with Exhalation Valve and Individually Wrapped	10/bx	23.43

## Honeywell

Sperian is now Honeywell

### B. Sperian® SAF-T-FIT® PLUS N95, N99 and P100 Disposable Respirators

- Multiple size options for wide range and improved fit
- Molded cup design
- Offered in valved and non-valved
- Incorporate humidity-resistant filter media
- Low breathing resistance
- Durable suspension straps
- Optional boomerang nose seal or full face seal for secure and comfort fit
- Nose clip is color-coded for visible size recognition



Part Number	Description	Packaged	Price
WLS14110387	N1105 Small, Red, N95	20/bx	16.10
WLS14110388	N1105 Medium/Large, Green, N95	20/bx	16.10
WLS14110389	N1105 XLarge, Blue, N95	20/bx	16.10
WLS14110390	N1115 Small, Red, N95	20/bx	18.70
WLS14110391	N1115 Medium/Large, Green, N95	20/bx	18.70
WLS14110392	N1115 XLarge, Blue, N95	20/bx	18.70
WLS14110393	N1125 Small, Red, N95	20/bx	38.30
WLS14110394	N1125 Medium/Large, Green, N95	20/bx	38.30
WLS14110395	N1125 XLarge, Blue, N95	20/bx	38.30
WLS14110402	N1139 Small, Red, N99	10/bx	29.30
WLS14110403	N1139 Medium/Large, Green, N99	10/bx	29.30
WLS14110404	N1139 XLarge, Blue, N99	10/bx	29.30
WLS14110439	P1130 Small, Red, P100	10/bx	83.00
WLS14110440	P1130 Medium, Red, P100	10/bx	83.00
WLS14110441	P1130 XLarge, Blue, P100	10/bx	83.00

### C. Sperian® ONE-Fit N95 Molded Cup Disposable Respirators

- Universal, one size molded cup respirator designed to fit most face sizes and shapes
- Offered with and without exhalation valve
- Molded nose bridge comfortably fits a variety of face shapes and sizes
- Strong and rigid outer shell prevents mask from collapse in high humidity or moist environments
- Dual welded head straps keep the respirator comfortably on the users face
- Latex free woven suspension straps reduce the possibility of breakage and does not pull or tangle hair
- Lightweight construction allows for longer wear time and less fatigue
- Soft inner lining for extended comfort
- Hypo-allergenic for users with sensitive skin



Part Number	Description	Packaged	Price
WLS14110444	NBW95 (non valve)	20/bx	12.00
WLS14110445	NBW95V (valve)	10/bx	11.50

All Honeywell respirators on this page are NIOSH 42CFR84 approved.

**B**



N1105



N1115



N1125



N1139/P1130

**C**



Head and Face Protection

Hearing Protection

Respiratory Protection

Instrumentation Confined Space

Fall Protection

Hand Protection

Protective Workwear

First Aid Products

Spill Control & Containment

Facility Supplies

Flammable Storage





Head and Face Protection

Hearing Protection

Respiratory Protection

Instrumentation  
Confined Space

Full Protection

Hand Protection

Protective  
Workwear

First Aid  
Products

Spill Control &  
Containment

Facility  
Supplies

Flammable  
Storage

B



A



C



D



**E. 3M™ Full Facepiece 7800S, Reusable**

- Silicone facepiece with a double-flap face seal, nose cup and six adjustable straps (with two overhead straps)
- Features a scratch-resistant polycarbonate lens and speaking diaphragm for communication

Part Number	Description	Size	Price
3MR7800S-S	Full Facepiece 7800S-S, Silicone	Small	383.20
3MR7800S-M	Full Facepiece 7800S-M, Silicone	Medium	383.20
3MR7800S-L	Full Facepiece 7800S-L, Silicone	Large	383.20

**F. 3M™ Half Facepiece 7500 Series, Reusable**

- Features a soft seal design with unique adjustment to reduce tension and pressure points on the face
- 3M™ Cool Flow™ Exhalation Valve design helps make breathing easier, reduces heat and moisture buildup in the facepiece, and helps provide cool, dry comfort

Part Number	Description	Size	Price
3MR7501	Half Facepiece 7501	Small	27.45
3MR7502	Half Facepiece 7502	Medium	27.45
3MR7503	Half Facepiece 7503	Large	27.45

**A. 3M™ Full Facepiece 6000 Series, Reusable**

- Facepiece provides a lightweight, well balanced and comfortable fit
- No extra parts required to attach filters, cartridges or a dual airline
- Large, scratch-resistant lens offers excellent visibility

Part Number	Description	Size	Price
3MR6700	Full Facepiece 6000	Small	140.88
3MR6800	Full Facepiece 6000	Medium	141.56
3MR6900	Full Facepiece 6000	Large	141.56
3MR6885	Lens Cover for 6000	25/bg	42.00
3MR6886	Lens Cover for 6000 Tinted	25/bg	113.58

**B. 3M™ Ultimate FX Full Facepiece Respirator FF-400, Reusable**

- Engineered to deliver maximum comfort with a wide field of view
- Features a soft, silicone nose cup and a large lens that allows for superior peripheral vision
- Includes 3M™'s unique Scotchgard™ Protector, which helps the lens resist some dirt, paint and stains
- The 3M™ Cool Flow™ Exhalation Valve helps reduce heat and moisture build-up inside the facepiece

Part Number	Description	Size	Price
3MRFF-401	Ultimate FX Full Facepiece	Small	199.67
3MRFF-402	Ultimate FX Full Facepiece	Medium	199.67
3MRFF-403	Ultimate FX Full Facepiece	Large	199.67

**C. 3M™ Half Facepiece 6000 Series, Reusable**

- Lightweight with easy-to-adjust headstraps
- Low-profile design helps improve balance and visibility
- No retainer or extra parts needed to attach the filters/cartridges to the facepiece
- Can be disassembled cleaned and reused

Part Number	Description	Size	Price
3MR6100	Half Facepiece 6100	Small	12.13
3MR6200	Half Facepiece 6200	Medium	12.19
3MR6300	Half Facepiece 6300	Large	12.19

**D. 3M™ Half Facepiece Respirators 5000 Series, Disposable**

- Pre-assembled, have no spare parts and require no maintenance
- The cartridges for these respirators are permanently attached and the unit cannot be disassembled
- Ideal for applications where respirators are only used intermittently or where disposability is desired

Part Number	Description	Price
3MR52P71	Disposable Respirator Assembly – Medium (OV cartridges & P95 prefilters)	21.83
3MR53P71	Disposable Respirator Assembly – Large (OV cartridges & P95 prefilters)	21.83
3MR5203	Disposable Respirator Assembly – Medium (OV / AG cartridges)	17.64
3MR5303	Disposable Respirator Assembly – Large (OV / AG cartridges)	17.64
3MR5201	Disposable Respirator Assembly – Medium (OV cartridges)	16.79
3MR5301	Disposable Respirator Assembly – Large (OV cartridges)	16.79

All respirators shown are NIOSH approved.

E



F



# 3M Cartridges, Filters, & Retainers For 5000, 6000 and 7000 Series Respirators

Cartridges	Part Number	Color Code & Description	Packaged	Price
	3MR6001	Organic Vapor	2/pk	11.34
	3MR6002	Acid Gas	2/pk	12.27
	3MR6003	Organic Vapor/Acid Gas	2/pk	12.04
	3MR6004	Ammonia/Methylamine	2/pk	13.54
	3MR6005	Formaldehyde/Organic Vapor	2/pk	13.67
	3MR6006	Multi Gas	2/pk	12.21
	3MR6009	Mercury Vapor/Chlorine Gas	2/pk	24.66
	3MR60921	P100/Organic Vapor	2/pk	23.11
	3MR60922	P100/Acid Gas	2/pk	24.03
3MR60923	P100/Organic Vapor/Acid Gas	2/pk	23.44	
3MR60924	P100/Ammonia Methylamine	2/pk	26.55	
3MR60925	P100/Formaldehyde/Organic Vapor	2/pk	26.81	
3MR60926	P100/Multi Gas	2/pk	25.41	
3MR60929	P100/Mercury Vapor/Chlorine Gas	2/pk	35.90	
Filter & Accessories	Part Number	Color Code & Description	Packaged	Price
	3MR5N11	N95 Filters for use with 501 Filter Retainer	10/pk	15.36
	3MR5P71	P95 Filters for use with 501 Filter Retainer	10/bx	18.17
	3MR2291	P100 Filters	2/pk	7.57
	3MR2076HF	P95 Filters/Hydrogen Fluoride with Nuisance level Acid Gas relief*	Each	4.33
	3MR2078	P95 Filter with Nuisance level Organic Vapor/Acid Gas relief*	2/pk	7.46
	3MR2296	P100 Filter Nuisance level* Acid Gas relief	2/pk	10.39
	3MR2297	P100 Filter Nuisance level* Organic Vapor relief	2/pk	10.32
	3MR2091	P100 Filters	2/pk	6.98
	3MR2096	P100 Filter with Nuisance level Acid Gas relief*	2/pk	9.44
	3MR2097	P100 Filter with Nuisance level Organic Vapor relief*	2/pk	9.58
	3MR7093	P100 Filter	12/bx	50.64
	3MR7093-B	P100 Filter – Bulk	144/cs	508.32
	3MR7093C	P100 Cartridge/Filter Hydrogen Fluoride w/Nuisance level Organic Vapor/Acid Gas relief*	60/cs	396.46
	3MR501	Prefilter Retainer for use with the 5N11 or 5P71 filters	Each	2.01
	3MR502	Filter Adapter for use with the 2000 Series or 7093 filters	Each	2.45

\* Nuisance levels refer to concentrations less than the OSHA PEL or other applicable government occupational exposure limits, whichever is lower. Do not use for respiratory protection against organic vapors and/or acid gases

Replacement Parts	Part Number	Description	Packaged	Price
	3MR6898	Lens Cover for FF-400	Each	40.97
	3MRFF-400-15	Semi-Permanent Lens Protector for FF-400	Each	38.52
	3MRFF-400-20	Spectacle Kit for FF-400	Each	112.63
	3MR6893	3M™ Inhalation Valve for 3M™ Half Facepiece 6000 Series	40/bg	51.20
	3MR6894	Nose Cup Assembly (use with Full Facepieces 6700, 6800 & 6900)	Each	30.29
	3MR6895	3M™ Inhalation Gasket for 3M™ Half Facepiece 6000 Series	20/bg	23.60
	3MR6897	Head Harness (use with Full Facepieces 6700, 6800 & 6900)	Each	24.68
	3MR6898	Lens Assembly (use with Full Facepieces 6700, 6800 & 6900)	Each	78.75
	3MR6281	3M™ Head Harness Assembly for 6000 Half Facepiece	Each	8.67
	3MR6878	Spectacle Kit for 6000 Series Fullface Respirators	Each	102.89
	3MR7583	3M™ Exhalation Valve for 3M™ Half Facepiece 7500 Series	Each	3.71
	3MR7884	Lens - use with Full Facepieces 7800-S, 7800-M & 7800-L	Each	75.13
	3MR7899-100	Lens Cover - use with Full Facepieces 7800S-Sm, 7800S-M & 7800S-Lg	100/bx	178.83

Head and Face Protection

Hearing Protection

Respiratory Protection

Instrumentation Confined Space

Fall Protection

Hand Protection

Protective Workwear

First Aid Products

Spill Control &amp; Containment

Facility Supplies

Flammable Storage