

## 3M™ Filtering Facepiece Respirators



# Comfort Quality Reliability Confidence

### 3M™ Filtering Facepiece Respirators

Workers want respirators that are comfortable, lightweight and convenient. You want quality products from a supplier you can depend upon. 3M developed the first filtering facepiece respirator to receive NIOSH approval in 1972. We have created numerous patented technologies that have been incorporated throughout our products. Today, our extensive family of respirators offers a full range of comfort, convenience and value. Respiratory protection from a company you can rely on for support and services.



**COSMOS SUPPLY CO., LTD**  
บริษัท คอสโมส ซัพพลาย จำกัด

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# Filtering Facepiece Respirators

## 3M™ Filtering Facepiece Respirators

### Features of 3M Filtering Face Respirators

From foundries to wood working, workers in many industries require protection from airborne particles and mists. Sweeping, sanding, grinding, sawing, bagging, welding – each creates a unique set of conditions, especially given environmental considerations such as heat and humidity. 3M's wide selection of filtering facepiece respirators helps you match the respirator to your environment. 3M uses a variety of innovative technologies and features to help you meet your protection and comfort needs. They are all NIOSH 42 CFR 84 approved and include the following features:

- lightweight and comfortable
- adjustable noseclips
- variety of strap types
- variety of strap attachments
- some available with carbon filter material for nuisance level relief<sup>1</sup>
- soft inner materials
- compatible with most eye and hearing protection

### Important

**All 3M Filtering Facepieces are NIOSH approved respirators. Before using, you must determine the following:**

1. The types of contaminants for which the respirator is being selected and exposure time.
2. The concentration level of the contaminant(s). Do not use for particle concentrations that exceed 10 times the OSHA PEL or applicable occupational exposure limit, whichever is lower.
3. Whether the respirator can be properly fitted to the wearer's face. Do not use with beards, or other conditions that prevent a good seal between the face and the sealing surface of the respirator.
4. Before required use of filtering facepiece respirators, a written respiratory protection program must be implemented, meeting all the requirements of OSHA 29 CFR 1910.134 including medical evaluation, training, and fit testing.

1. 3M recommended for relief against nuisance level acid gas or organic vapors. Nuisance levels are less than OSHA PEL or applicable government occupational exposure limits, whichever is lower.

### Featured Technologies

**Cool Flow™ Exhalation Valve.** Patented one-way valve for easy exhalation and cool, dry comfort.



**M-noseclip.** Patented noseclip adjusts easily for fewer pressure points and greater comfort.



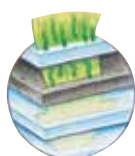
**Faceseal.** Soft and secure, conforms closely to face for additional comfort.



**Advanced Electret Media.** Patented filter media with electrostatically charged microfibers help make breathing easier and cooler.



**Carbon filter material.** Carbon Filter Media provides relief against odors, vapors and other gaseous contaminants for greater wearer comfort. For nuisance level relief only.<sup>1</sup>



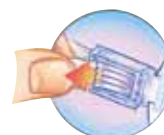
**Cake-resistant filter media.** Patented filter media with specifically designed filter layers for welding applications provide longer respirator life and easier breathing.



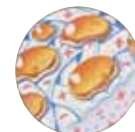
**Welding Web.** Unique filter media incorporating protective layers designed to be flame resistant as demonstrated per ASTM D2859-96. (Not a substitute for a faceshield.)



**Adjustable buckle straps.** A single tug helps provide a comfortable, secure fit.

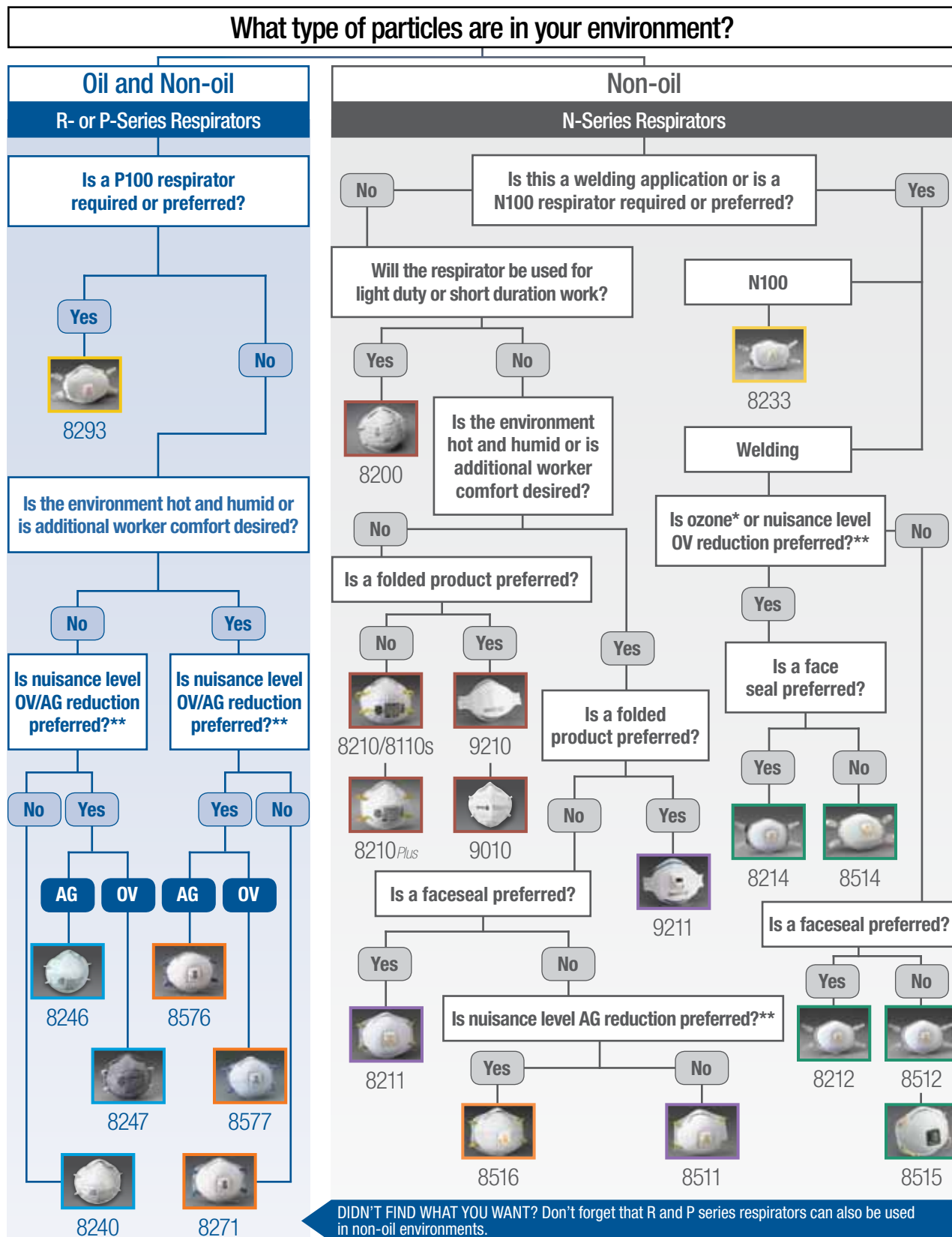


**P-series filter.** Patented Advanced Electret Media, appropriate for prolonged use in both oil and non-oil containing environments.



# Product Preference Selector

Use the selector below to identify which respirator may be preferred for increased worker comfort.



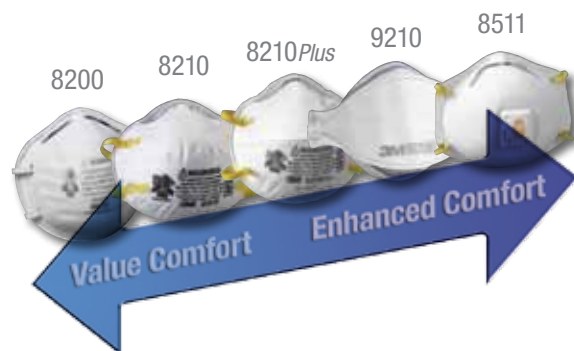
\*3M recommended for ozone protection up to 10X OSHA PEL. Not NIOSH approved for ozone.

\*\*3M recommended for relief against nuisance level acid gas (AG) or organic vapors (OV). Nuisance levels are less than OSHA PEL or applicable government occupational exposure limits, whichever is lower.



# Comfort

**Suggested Applications:** Sweeping, sanding, grinding, sawing, bagging in a non-oil environment



## Unvalved N95 Respirators

### 9210 (N95) (AAD#37021)

A breakthrough in comfort and convenience. This three-panel respirator with innovative design helps provide comfortable, reliable worker protection against non-oil based particles.

Individually packaged



### 8210 (N95)

Features Advanced Electret Media (AEM), welded strap attachment, soft nose foam and adjustable noseclip to help provide a custom fit and secure seal.



### 8210Plus (N95) (AAD#07048)

Builds on all of the features that have made the 8210 one of the most widely used N95s in industry. The PLUS offers comfortable braided headbands and staple free attachment.



### 8110s (N95)

Is designed for people with smaller faces. It helps provide worker protection against certain non-oil based particles. It is comfortable and easy to use which helps promote greater worker acceptance and increased wear time.



### 8200 (N95) (AAD#07023)

Designed to help provide reliable protection against certain non-oil based particles. Low priced N95 that features Advanced Electret Media, adjustable noseclip and nose foam to help provide a custom fit and secure seal.




### 9010 (N95)

Designed to help provide quality, reliable worker protection against certain non-oil based particles in a convenient, flat fold design. Each respirator is individually packaged to offer convenient storage and portability. Two strap design with a conformable nose clip and Advanced Electret Media help make breathing easier and cooler.

Individually packaged



 Flags denote country of manufacture, however all products may include globally sourced components. Contact 3M for more details.

IMPORTANT: All 3M™ products shown in this catalogue must be used in accordance with the OSHA regulations and the user instructions, warnings, and limitations accompanying each product.



# Comfort Plus

**Suggested Applications:** Grinding, bagging, sanding, sweeping, extended wear time, hot/humid conditions and other dusty operations

Comfort Plus respirators all feature the patented 3M™ Cool Flow™ Exhalation Valve.



## N95 Respirators

### 8511 (N95) (AAD#07185)

Is uniquely designed to help provide protection against certain non-oil based particles. It is ideally suited for work settings that involve heat, humidity, or long periods of wear.



### 8211 (N95)

This respirator offers all the great features of the 3M™ Particulate Respirator 8511, plus a comfortable foam face seal. Is uniquely designed to help provide protection against certain non-oil based particles.



**Additional Applications:** Cement, lime, textile, buffing



### 9211 (N95) (AAD#37022)

This three-panel respirator with innovative design is ideally suited for work settings that involve heat, humidity, or long periods of wear.

**Individually packaged**



## 100 Class Respirators

Ideal for certain OSHA substance specific contaminants including lead, MDA, arsenic, cadmium (excluding asbestos); additionally for welding, pharmaceutical manufacturing

### 8293 (P100)

Is well suited for those who want NIOSHs highest rated filtration efficiency in a maintenance free respirator. It provides a minimum filter efficiency of 99.97% against oil base particles.

**Individually packaged**



### 8233 (N100)

Is well suited for those who want NIOSHs highest rated filtration efficiency in a maintenance free respirator. It provides a minimum filter efficiency of 99.97% against non-oil based particles.

**Individually packaged**



3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.





# Welding

**Suggested Applications:** Welding, torch cutting, brazing, soldering

Welding respirators all feature the patented 3M™ Cool Flow™ Exhalation Valve.

## Welding and Metal Pouring

### 8214 (N95) (AAD#07187)

Is designed for applications such as welding, soldering and other operations where metal fumes may be present including those with ozone\* and nuisance level organic vapors.\*\*

**Additional Applications:** Metal pouring, working with stainless, galvanized, or aluminium



### 8212 (N95)

Features the 3M™ Cool Flow™ Exhalation Valve, cake-resistant filter media, a comfortable foam faceseal and fully adjustable straps.

**Additional Applications:** Metal pouring



### 8514 (N95)

Is designed for applications such as welding, soldering and other operations where metal fumes are present including those with ozone\* and nuisance level organic vapors.\*\*

**Additional Applications:** Metal pouring, working with stainless, galvanized, or aluminium



### 8512 (N95)

Features the 3M™ Cool Flow™ Exhalation Valve, cake-resistant filter media, nose foam, and fully adjustable noseclip and straps.

**Additional Applications:** Metal pouring



### 8515 (N95) (AAD#07189)

An economical option for welders featuring the 3M™ Cool Flow™ Exhalation Valve, adjustable M-noseclip, and braided headband to help provide a custom fit and secure seal.



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\*\*3M recommended for relief against nuisance level acid gas or organic vapors. Nuisance levels are less than OSHA PEL or applicable government occupational exposure limits, whichever is lower.

# Specialty



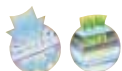
**Suggested Applications:** Grinding, bagging, sanding, sweeping in oil and non-oil environments and other dusty operations

## Unvalved Specialty Respirators

### 8247 (R95) (AAD#07186)

Is designed to help provide comfortable protection against certain oil and non-oil based particles including those present with nuisance levels of organic vapors\*, such as solvents, degreasers, and resins.

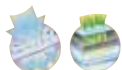
**Additional Applications:** Foundry operations, lab settings, agriculture, petrochemical manufacturing and undercoating where particles and nuisance levels\* of organic vapors may be present



### 8246 (R95)

Helps provide protection against certain oil and non-oil based particles including those present with nuisance levels of acid gases\* such as sulphur dioxide, hydrogen fluoride, and/or chlorine.

**Additional Applications:** Glass etching, chemical processing, paper processing, aluminum smelting and brewing operations where particles and nuisance levels of acid gases\* may be present



### 8240 (R95)

Is designed to help provide protection against certain oil and non-oil based particles. It features a collapse resistant shell for increased durability in most hot, humid conditions.

**Additional Applications:** Grinding, sanding, sweeping, machining and other dust producing/oily operations



## Valved Specialty Respirators

Features the patented 3M™ Cool Flow™ Exhalation Valve. Suggested for extended wear time, hot/humid conditions

### 8577 (P95)

Is designed to help provide comfortable, reliable worker protection against certain oil and non-oil based particles including those present with nuisance levels of organic vapors\* such as solvents, degreasers and resins.

**Additional Applications:** Foundry operation, lab settings, agricultural, petrochemical, manufacturing



### 8576 (P95)

Is designed to provide comfortable, reliable worker protection against certain oil and non-oil based particles including those present with nuisance levels of acid gases\* such as sulphur dioxide, hydrogen fluoride, and/or chlorine.

**Additional Applications:** Glass etching, chemical processing, paper processing, aluminum smelting and brewing operations



### 8271 (P95)

Combines P-series versatility with exceptional comfort and fit. It is an excellent choice for those who have work environments that may contain oil aerosols.



### 8516 (N95)

Is designed for the aluminum industry. It helps provide protection against certain non-oil based particles including those present with nuisance levels of acid gases\* such as sulphur dioxide, hydrogen fluoride, and/or chlorine.



\*3M recommended for relief against nuisance level acid gas or organic vapors. Nuisance levels are less than OSHA PEL or applicable government occupational exposure limits, whichever is lower.

# 3M.com/OccSafety

Visit our website to find more information on:

Training and Tools • Tech Bulletins • Where to Buy • MSDS • What's New • Subscribe to JobHealth Highlights and much more!

## Product Ordering Information

Model	NIOSH Class	Stock Number	Qty/ Box	Boxes/ Case	Case Qty
		UPC			
Comfort					
8110s	N95	70-0707-5707-8 50051138 54305 6	20	8	160
8200	N95	70-0715-3449-2 50051131 07023 8	20	8	160
8210	N95	70-0706-1439-4 50051138 46457 3	20	8	160
8210 <i>Plus</i>	N95	70-0710-9189-9 50051131 52924 8	20	8	160
9010	N95	XH-0038-1029-4 50051131 91929 2	50	10	500
9210	N95	70-0708-4339-9 50051131 37021 5	20	12	240
Comfort Plus					
8211	N95	70-0710-4255-3 50051131 52750 3	10	8	80
8511	N95	70-0707-5755-7 50051138 54343 8	10	8	80
9211	N95	70-0708-4340-7 50051131 37022 2	10	12	120
100 Class					
8233	N100	70-0707-0901-2 5001138 541543 4	1	20	20
8293	P100	70-0707-5747-4 50051138 54336 0	1	20	20

Model	NIOSH Class	Stock Number	Qty/ Box	Boxes/ Case	Case Qty
		UPC			
Specialty					
8240	R95	70-0708-4386-0 50051138 66297 9	20	6	120
8246	R95	70-0707-5771-4 50051138 54357 5	20	6	120
8247	R95	70-0707-5772-2 50051138 54358 2	20	6	120
8271	P95	70-0707-1083-8 50051138 54285 1	10	8	80
8516	N95	70-0708-4573-3 50051138 66392 1	10	8	80
8576	P95	70-0707-5793-8 50051138 54370 4	10	8	80
8577	P95	70-0707-5794-6 50051138 54371 1	10	8	80
Welding					
8212	N95	70-0707-0899-8 50051138 54141 0	10	8	80
8214	N95	70-0707-9953-4 50051138 66192 7	10	8	80
8512	N95	70-0708-4387-8 50051138 66298 6	10	8	80
8514	N95	70-0708-4388-6 50051138 66299 3	10	8	80
8515	N95	70-0708-9002-8 50051131 07189 1	10	8	80



### WARNING

These respirators help reduce exposures to certain airborne particulates. Before use, the wearer must read and understand the *User Instructions* provided as a part of the product packaging. A written respiratory protection program must be implemented meeting all the requirements of OSHA 1910.134 including training, fit testing and medical evaluation. In Canada, CSA standards Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. **Misuse may result in sickness or death.** For proper use, see package instructions, supervisor, or call 3M OH&ESD Technical Service in USA at 1-800-243-4630 and in Canada at 1-800-267-4414.

### 3M Worldwide, World Class

3M develops, manufactures and markets over 50,000 different consumer, commercial, industrial and health care products. We have manufacturing operations in 60 countries and do business in more than 200 countries. 3M can help you achieve corporate goals, meet and exceed government standards, simplify and improve the lives of your employees, and contribute to a safe, healthy and sustainable work environment.



### Occupational Health and Environmental Safety Division

3M Center  
Building 235-2NW-70  
St. Paul, MN 55144-1000

### 3M Canada Company OH&ESD

P.O. Box 5757  
London, Ontario N6A 4T1  
Canada

### For More Information

Technical Assistance in US 1-800-243-4630  
Technical Assistance in Canada 1-800-267-4414  
[www.3M.com/OccSafety](http://www.3M.com/OccSafety)

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