Comfort, quality, reliability, confidence

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 proprietary 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.

Features of 3M Filtering Facepiece 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
• 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.

Featured Technologies

Cool Flow™ Exhalation Valve. Proprietary one-way valve for easy exhalation and cool comfort.

M-Noseclip. Proprietary noseclip adjusts easily for fewer pressure points and greater comfort.

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

Advanced Electrostatic Media. Proprietary filter media with electrostatically charged microfibers designed for ease of breathing.

Carbon Filter Material. Carbon filter media provides relief against odors, vapors and other gaseous contaminants for greater wearer comfort. For nuisance level relief only.

Cake-Resistant Filter Media. Proprietary 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 seal.

P-Series Filter. Proprietary advanced electrostatic media, appropriate for prolonged use in both oil and non-oil containing environments.
Comfort – N95 Respirators*

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

**9210 (N95)** (37021)  
UPC: 50051131370215

**Features and Benefits**

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

**8210 Plus (N95)** (07048)  
UPC: 50051131529248

**Features and Benefits**

This model 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.

**8200 (N95)** (07023)  
UPC: 50051131070238

**Features and Benefits**

Designed to help provide reliable protection against certain non-oil based particles, the 8200 is a low priced N95 that features Advanced Electrostatic Media, adjustable noseclip and nose foam to help provide a custom and secure seal.

**8210 (N95)**  
UPC: 50051138464573

**Features and Benefits**

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

**8110S (N95)**  
UPC: 50051138543056

**Features and Benefits**

Designed for people with smaller faces, the 8110S 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.

**9105 & 9105S (N95)**

9105 UPC: 50051131173977  
9105S UPC: 50051131173946

**Features and Benefits**

The economical 3M™ VFlex™ particulate respirator is designed to help provide reliable worker respiratory protection against certain non-oil based particles. Proprietary V-shaped pleats help make breathing easier, expand to provide a comfortable seal and flex with mouth movement for easier talking. The tabs on the side are designed as handles for easy positioning of the respirator on your face to achieve a comfortable seal. This product is available in two sizes – to accommodate a broad range of faces.

*For full line of products, see page 69.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.
Comfort Plus – N95 Respirators*

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

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

**8511 (N95) (07185)**

UPC: 5005113854348

**Features and Benefits**

Designed to help provide protection against certain non-oil based particles, the 8511 is ideally suited for work settings that involve heat, humidity, or long periods of wear.

**8211 (N95)**

UPC: 50051131527503

**Features and Benefits**

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

Additional Applications: Cement, lime, textile, buffing.

**9211 (N95) (37022)**

UPC: 50051131370222

**Features and Benefits**

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

**8210V (N95) NEW**

UPC: 50051131497110

**Features and Benefits**

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

*For full line of products, see page 69.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.
Comfort Plus – 100 Class Respirators*

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

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

8293 (P100)
UPC: 50051138543360

Features and Benefits
For those who want NIOSH's highest rated filtration efficiency in a disposable respirator, the 8293 provides a minimum filter efficiency of 99.97% against oil base particles. Individually packaged.

8233 (N100)
UPC: 50011385415434

Features and Benefits
Is well suited for those who want NIOSH’s highest rated filtration efficiency in a disposable respirator. It provides a minimum filter efficiency of 99.97% against non-oil based particles. Individually packaged.

Respiratory Protection Information

Particulate filter types
NIOSH approved filters are rated as N95, R95, P95, N99, N100, or P100. The number 95, 99, or 100 indicates the NIOSH percentage filtration efficiency.

N Series – Used in environments free of oil aerosols.
R Series – Resistant to oil mist. Use is restricted to one 8-hour work shift.
P Series – Oil resistant with use restrictions specified by manufacturer.

*For full line of products, see page 69.
Welding and Metal Pouring – N95 Respirators*

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

Suggested Applications: Welding, torch cutting, brazing and soldering.

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**8214 (N95)**  
(07187)  
UPC: 50051138661927

**Features and Benefits**
The 8214 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)**  
UPC: 50051138541410

**Features and Benefits**
Features the 3M™ Cool Flow™ Exhalation Valve, cake-resistant filter media, a comfortable foam face seal and fully adjustable straps.  
Additional Applications: Metal pouring.

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**8514 (N95)**  
UPC: 50051138662993

**Features and Benefits**
The 8514 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.

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**8214 (N95)**
(07187)

**8512 (N95)**
UPC: 50051138662986

**Features and Benefits**
Features the 3M™ Cool Flow™ Exhalation Valve, cake-resistant filter media, nose foam, and fully adjustable noseclip and straps.  
Additional Applications: Metal pouring.

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**8515 (N95)**  
(07189)  
UPC: 50051131071891

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

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

*For full line of products, see page 69.

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

***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 Respirators – R95 Respirators*

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

**Features and Benefits**
The 8247 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.

**Features and Benefits**
The 8246 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.

**Features and Benefits**
The 8240 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.

*For full line of products, see page 69.

**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™ Disposable Filtering Facepiece Respirators

Specialty Respirators – P95 & N95 Respirators*

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

**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.

*For full line of products, see page 69.
See 3M.com/PPESafety for more product selection.

### Product Ordering Information

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