

3M™ Disposable Filtering Facepiece Respirators



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 relief¹
- 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.

¹3M 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. 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.

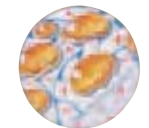
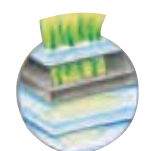
Carbon Filter Material. Carbon filter media provides relief against odors, vapors and other gaseous contaminants for greater wearer comfort. For nuisance level relief only.¹

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.



See 3M.com/PPESafety for more product selection.



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.



8210Plus (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.

3M™ Disposable Filtering Facepiece Respirators



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: 50051138543438

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 face seal. 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)

UPC: 50051131497110

NEW

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.

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See 3M.com/PPESafety for more product selection.



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.

3M™ Disposable Filtering Facepiece Respirators

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.



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.



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.



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.



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.



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.

See 3M.com/PPESafety for more product selection.



Specialty Respirators – R95 Respirators*

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



8247 (R95)
(07186)
UPC: 50051138543582

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.



8246 (R95)
UPC: 50051138543575

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.



8240 (R95)
UPC: 50051138662979

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.



8577 (P95)

UPC: 50051138543711

Features and Benefits

The 8577 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)

UPC: 50051138543704

Features and Benefits

The 8576 is designed to help 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)

UPC: 50051138542851

Features and Benefits

The 8271 combines P-series versatility with exceptional comfort. It is an excellent choice for those who have work environments that may contain oil aerosols.



8516 (N95)

UPC: 50051138663921

Features and Benefits

Designed for the aluminum industry, the 8516 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.



*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.

See 3M.com/PPESafety for more product selection.



Product Ordering Information

Model	NIOSH Class	Qty/ Box	Boxes/ Case	Case Qty
Comfort				
9105	N95	50	8	400
9105S	N95	50	8	400
8110S	N95	20	8	160
8200	N95	20	8	160
8210	N95	20	8	160
8210 <i>Plus</i>	N95	20	8	160
9210	N95	20	12	240

Model	NIOSH Class	Qty/ Box	Boxes/ Case	Case Qty
Comfort Plus				
8210V	N95	10	8	80
8211	N95	10	8	80
8511	N95	10	8	80
9211	N95	10	12	120
100 Class				
8233	N100	1	20	20
8293	P100	1	20	20

Model	NIOSH Class	Qty/ Box	Boxes/ Case	Case Qty
Specialty				
8240	R95	20	6	120
8246	R95	20	6	120
8247	R95	20	6	120
8271	P95	10	8	80
8516	N95	10	8	80
8576	P95	10	8	80
8577	P95	10	8	80
Welding				
8212	N95	10	8	80
8214	N95	10	8	80
8512	N95	10	8	80
8514	N95	10	8	80
8515	N95	10	8	80