

3M™
Respiratory Protection

3M

Distributed By:

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*SERVING INDUSTRY
FOR OVER 73 YEARS*

3M™ Filtering Facepiece Particulate 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 work environment. 3M uses a variety of innovative technologies and features to help you meet your protection and comfort needs. They are all approved under NIOSH 42 CFR 84.

Features

- Lightweight and comfortable
- Adjustable noseclips
- Variety of strap types
- Variety of strap attachments (stapled, welded, adjustable buckle)
- Some available with carbon filter material for nuisance level odors⁴
- Soft inner materials (e.g. nosefoam, face seal)
- Compatible with eye and hearing protection

Before each use of the product, please inspect for any rips, damages, tears, etc.

WARNING! See warnings on inside back cover.

Patented Technologies

Cool Flow™ Exhalation Valve

Patented one-way valve for easy exhalation and cool, dry comfort.



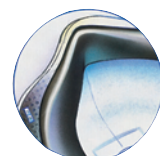
M-noseclip

Adjusts easily for fewer pressure points and greater comfort.



Face seal

Soft and secure, conforms closely to face for long-lasting comfort.



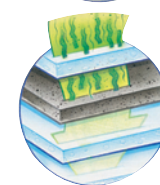
Advanced Electret Media

Electrostatically charged microfibers help make breathing easier and cooler.



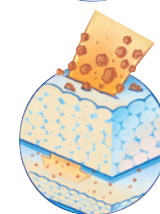
Carbon filter material

Carbon layers remove many nuisance level odors⁴ for greater wearer comfort.



Cake-resistant filter media

Specially designed filter layers for welding applications provide longer respirator life and easier breathing.



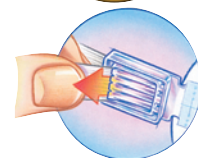
Welding Web

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



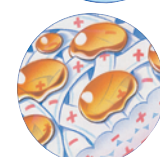
Adjustable buckle straps

A single tug helps provide a comfortable, secure fit.



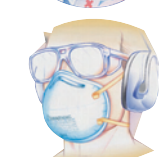
P-series filter

Featuring Advanced Electret Media, appropriate for prolonged use in both oil and non-oil containing environments.



Compatibility











Accommodates a wide range of safety equipment, including eye and hearing protection.



3M Automotive Aftermarket Division (AAD) Product Numbers are found in blue type on select products



Dusty Conditions

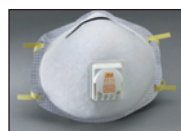
	Product Number	NIOSH Classification ¹	Suggested Applications	3M™ Cool Flow™ Valve	Nose-clip ²	Faceseal/ Nose-foam ³	Carbon Filter Material ⁴	Braided Comfort Straps	Other
	8000 AAD#07027	N95	Grinding, Sanding, Sweeping, Other dusty operations		S				Economical N95
	8110S (small)	N95	Grinding, Sanding, Sweeping, Other dusty operations		S	NF			
	8210	N95	Grinding, Sanding, Sweeping, Other dusty operations		S	NF			Welded strap attachment
	8210Plus AAD#07048	N95	Grinding, Bagging, Sanding, Sweeping, Other dusty operations		S	NF		x	Welded strap attachment
	8211	N95	Grinding, Bagging, Sanding, Sweeping, Buffing, Cement, Poultry, Textile, Lime, Other dusty/hot operations	x	M	FS		x	
	8240	R95	Grinding, Machining, Sanding, Sweeping, Other dusty/oily operations		S	NF		x	Collapse resistant
	8511 AAD#07027	N95	Grinding, Bagging, Sanding, Sweeping, Other dusty/hot operations	x	M			x	Soft inner materials
	8271	P95	Grinding, Machining, Sanding, Sweeping, Other dusty/hot/oily operations	x	M	FS		x	
	9210 AAD#37021	N95	Grinding, Bagging, Sanding, Sweeping, Other dusty operations		S	NF			Collapse resistant, individually packaged, 3-panel design for convenient storage and portability
	9211 AAD#37022	N95	Grinding, Bagging, Sanding, Sweeping, Other dusty operations	x	S	NF			Collapse resistant, individually packaged, 3-panel design for convenient storage and portability

1. **N95** – Not for oil, at least 95% efficient **R95** – Oil resistant, at least 95% efficient **P95** – Oil proof, at least 95% efficient **N100** – Not for oil, at least 99.97% efficient **P100** – Oil proof, at least 99.97% efficient **2. S** – Standard adjustable noseclip **M** – M-noseclip **3. NF** – Nose foam **FS** – Faceseal **4. AG** – 3M recommended for relief against nuisance level acid gas relief (nuisance levels are less than OSHA PEL or applicable government occupational exposure limits, whichever is lower) **OV** – 3M recommended for relief against nuisance level organic vapor relief (nuisance levels are less than OSHA PEL) **OZ** – 3M recommended for ozone protection up to 10X OSHA PEL (Not NIOSH approved for ozone)

3M™ Filtering Facepiece Particulate Respirators



Dusty Conditions/Nuisance Odors



Product Number	NIOSH Classification ¹	Suggested Applications	3M™ Cool Flow™ Exhalation Valve	Nose-clip ²	Faceseal/ Nose-foam ³	Carbon Filter Material ⁴	Braided Comfort Straps	Other
8246	R95	Aluminum smelting, Paper processing, Brewing operations, Glass etching, Chemical processing		S	NF	AG	x	
8247 AAD#07186	R95	Foundry operations, Undercoating, Lab settings, Agriculture, Petrochemical processing		S	NF	OV	x	
8516	N95	Aluminum smelting, Paper processing, Brewing operations, Glass etching, Chemical processing	x	M		AG	x	Soft inner materials
8576	P95	Aluminum smelting, Paper processing, Brewing operations, Glass etching, Chemical processing	x	M		AG	x	Soft inner materials
8577	P95	Foundry operations, Undercoating, Lab settings, Agriculture, Petrochemical operations	x	M		OV	x	Soft inner materials

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Additional Information

3M's NIOSH approved filtering facepiece respirators contain no components made from natural rubber latex. Consult the Material Safety Data Sheet (MSDS) for specific materials of construction. MSDS's are readily available on our website at 3M.com/OccSafety.

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 aerosol 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.




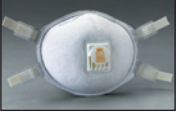

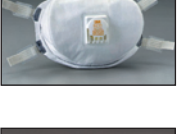

WARNING! See warnings on inside back cover.

3M Automotive Aftermarket Division (AAD) Product Numbers are found in blue type on select products



Welding and Metal Pouring

Class 100

Product Number	NIOSH Classification ¹	Suggested Applications	3M™ Cool Flow™ Exhalation Valve	Nose-clip ²	Faceseal/ Nose-foam ³	Carbon Filter Material ⁴	Braided Comfort Straps	Other	
	8212	N95	Welding, Torch cutting, Brazing, Soldering, Metal pouring	x	S	FS		x	Adjustable buckle strap, welding web, cake resistant filter media
	8512	N95	Welding, Torch cutting, Brazing, Soldering, Metal pouring	x	S	NF		x	Adjustable buckle strap, welding web, cake resistant filter media
	8214 AAD#07187	N95	Welding, Torch cutting, Brazing, Soldering, Metal pouring, Stainless, Galvanized, Aluminum	x	S	FS	OV OZ	x	Adjustable buckle strap, welding web, cake resistant filter media
	8514	N95	Welding, Torch cutting, Brazing, Soldering, Metal pouring, Stainless, Galvanized, Aluminum	x	S	NF	OV OZ	x	Adjustable buckle strap, welding web, cake resistant filter media
	8515 AAD#07189	N95	Welding, Torch cutting, Brazing, Soldering	x	M			x	Welding web, economical welding respirator
	8233	N100	Lead, MDA ⁵ , Arsenic, Cadmium, Welding, Pharmaceutical mfg.	x	S	FS		x	Adjustable buckle strap
	8293	P100	Lead, MDA ⁵ , Arsenic, Cadmium, Welding, Pharmaceutical mfg.	x	S	FS		x	Adjustable buckle strap

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3M™ Half Facepiece Respirators 5000 Series



The innovative design of 3M™ Half Facepiece Disposable Respirators 5000 Series makes them an easy, economical way to help ensure worker protection. A lightweight, well-balanced design provides greater worker comfort. These respirators are pre-assembled, have no spare parts and require no maintenance.

The 5000 Series maintenance-free respirators are ideal for safety applications where respirators are only used occasionally or where disposability is required.

Features

- Available in three sizes (small, medium, large) to fit many faces.
- No ongoing maintenance necessary—saves both time and money.
- Resealable storage bag helps keep respirator clean between uses.
- Low profile design provides wider field of vision and greater comfort while wearing goggles or glasses.
- Can be used with NIOSH-approved 3M™ Filters N95, P95 and P100 for oil and non-oil particles.
- For convenience and simplicity, some respirator package assemblies are packaged with either 3M™ Filters P95 or P100 along with 3M™ Filter Retainers 501 or 3M™ Filter Adapters 502.

Before each use of the product, please inspect for any rips, damages, tears, etc.

WARNING! See warnings on inside back cover.

3M Automotive Aftermarket Division (AAD) Product Numbers are found in blue type on select products

3M™ Half Facepiece Respirators 5000 Series – Product Matrix

Respirators



5101 (S)
5201 (M)
5301 (L)
OV

5103 (S)
5203 (M)
5303 (L)
OV/AG

5106 (S)
5206 (M)
5306 (L)
Multi-Gas/Vapor

Filters



5N11
N95 Filter

5P71
P95 Filter
AAD#07194

2071
P95 Filter

2091
P100 Filter
AAD#07000

7093
P100 Filter

Filter Retainer and Adapter



501 Filter Retainer
AAD#07054

502 Filter Adapter*

Assemblies



51P71 (S)
52P71 (M)
53P71 (L)
P95/OV
AAD#07191 (S)
#07192 (M)
#07193 (L)

51911 (S)
52911 (M)
53911 (L)
P100/OV

51913 (S)
52913 (M)
53913 (L)
P100/OV/AG

51916 (S)
52916 (M)
53916 (L)
P100/Multi-Gas/
Vapor

OV = NIOSH approval: Certain organic vapors.

OV/AG = NIOSH approval: Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride.

Multi-Gas/
Vapor = NIOSH approval: Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide (escape only) ammonia/methylamine, formaldehyde** or hydrogen fluoride.

P95/OV = NIOSH approval: P95/certain organic vapors.

P100/OV = NIOSH approval: P100/certain organic vapors.

P100/OV/AG = NIOSH approval: P100/certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride.

P100/
Multi-Gas = NIOSH approval P100/certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide (escape only) ammonia/methylamine, formaldehyde** or hydrogen fluoride.

* Do not reuse.

** OSHA regulations require that gas-proof goggles be worn with half facepiece respirators when used against formaldehyde.

3M™ Half and Full Facepiece Respirators 6000 and 7000 Series



The 3M™ Half and Full Facepiece Respirators 6000 Series and 7000 Series use interchangeable filters and cartridges, minimizing the number of parts your facility needs to stock. They are versatile enough to meet your current and future respirator needs. These products offer unique benefits, without limiting wearer comfort. All are available in three sizes, making your respirator choice simple—3M!

3M™ Half Facepiece Respirators 6000 Series Reusable Provides Lightweight, Easy-to-use, Economical Protection



- An economical choice.
- Facepiece is made from soft, lightweight thermoplastic elastomer.
- Available with a standard or drop-down head harness option.
- Drop-down model allows wearers to lower the respirator without removing welding shield, hardhat or faceshield.
- Head harness assembly and spare parts available.

3M™ Half Facepiece Respirators 7500 Series, Reusable Provides Comfortable, Soft Silicone Face Seal



- Made of silicone for greater comfort and helps provide a softer feel on the face.
- 3M™ Cool Flow™ Exhalation Valve for easy exhalation for cool, dry comfort; and designed to be long lasting.
- Can be used with a variety of cartridges and filters that help protect against both dust and/or odor.

3M™ Full Facepiece Respirators 6000 Series Reusable



- Lightweight design with silicone face seal enhances comfort and improves durability.
- Wide field of vision.
- Available in six different modes; can be used with both negative and powered and supplied-air systems.

3M™ Full Facepiece Respirator 7800S, Provides Durable Full Face Protection



- Extra-large inhalation and exhalation valves help make breathing easier.
- Double-flange face seal and six adjustable straps help provide a secure fit.
- Available in 11 different modes – from negative-pressure air purifying to SCBA. Excellent choice for standardizing your entire facility's respiratory requirements.

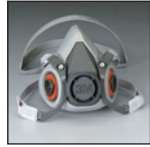
Before each use of the product, please inspect for any rips, damages, tears, etc.

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3M™ Half and Full Facepiece Respirators 6000 Series and 7000 Series — Product Matrix

Facepieces



AAD#07024 6100 (S)
AAD#07025 6200 (M)
AAD#07026 6300 (L)



6100DD (S)
6200DD (M)
6300DD (L)



6700 (S) **AAD#07138**
6800 (M) **AAD#07139**
6900 (L) **AAD#07140**



6700DIN (S)
6800DIN (M)
6900DIN (L)

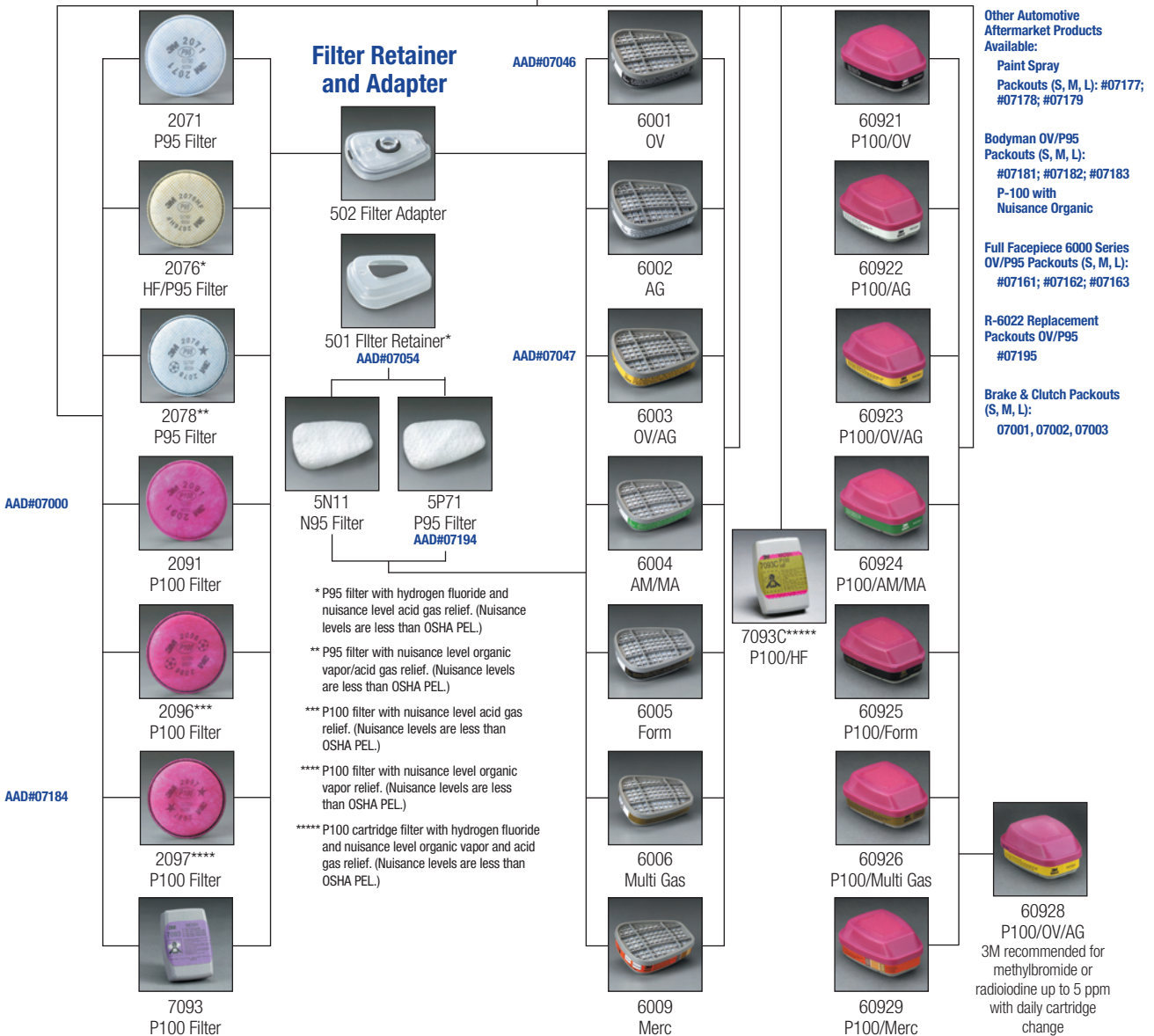


7501 (S)
7502 (M)
7503 (L)



7800S (S)
7800S (M)
7800S (L)

Cartridges and Filters



OV = NIOSH approval: Certain organic vapors.

AG = NIOSH approval: Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide (escape only).

AM/MA = NIOSH approval: Ammonia and methylamine.

Form = NIOSH approval: Formaldehyde† and certain organic vapors

OV/AG = NIOSH approval: Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride.

AM/MA = NIOSH approval: Ammonia and methylamine.

Form = NIOSH approval: Formaldehyde† and certain organic vapors

Multi-Gas/ Vapor = NIOSH approval: Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide (escape only) ammonia/methylamine, formaldehyde† or hydrogen fluoride.

Merc = NIOSH approval: Mercury vapor or chlorine gas.

* Do not reuse.

† OSHA regulations require that gas-proof goggles be worn with half facepiece respirators when used against formaldehyde.

3m.com/OccSafety/WorkerSafety

WARNING! See warnings on inside back cover.