

# 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 odors<sup>4</sup>
- 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.



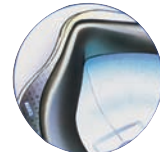
### M-noseclip

Adjusts easily for fewer pressure points and greater comfort.



### Face seal

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



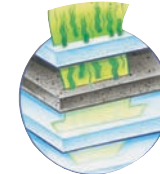
### Advanced Electret Media

Electrostatically charged microfibers help make breathing easier and cooler.



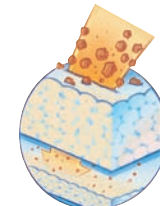
### Carbon filter material

Carbon layers remove many nuisance level odors<sup>4</sup> 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.)



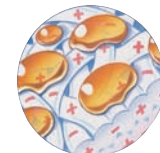
### Adjustable buckle straps

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 <sup>1</sup>	Suggested Applications	3M™ Cool Flow™ Valve	Nose-clip <sup>2</sup>	Faceseal/ Nose-foam <sup>3</sup>	Carbon Filter Material <sup>4</sup>	Braided Comfort Straps	Other
	8000 <b>AAD#07027</b>	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 <b>AAD#07048</b>	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 <b>AAD#07027</b>	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 <b>AAD#37021</b>	N95	Grinding, Bagging, Sanding, Sweeping, Other dusty operations		S	NF			Collapse resistant, individually packaged, 3-panel design for convenient storage and portability
	9211 <b>AAD#37022</b>	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 <sup>1</sup>	Suggested Applications	3M™ Cool Flow™ Exhalation Valve	Nose-clip <sup>2</sup>	Faceseal/ Nose-foam <sup>3</sup>	Carbon Filter Material <sup>4</sup>	Braided Comfort Straps	Other
8246	R95	Aluminum smelting, Paper processing, Brewing operations, Glass etching, Chemical processing		S	NF	AG	x	
8247 <b>AAD#07186</b>	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

**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)

## 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](http://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.




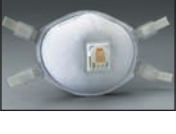

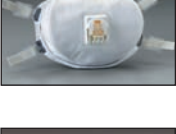

**WARNING!** See warnings on inside back cover.

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Welding and Metal Pouring

Class 100

	Product Number	NIOSH Classification <sup>1</sup>	Suggested Applications	3M™ Cool Flow™ Exhalation Valve	Nose-clip <sup>2</sup>	Faceseal/ Nose-foam <sup>3</sup>	Carbon Filter Material <sup>4</sup>	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 <b>AAD#07187</b>	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 <b>AAD#07189</b>	N95	Welding, Torch cutting, Brazing, Soldering	x	M			x	Welding web, economical welding respirator
	8233	N100	Lead, MDA <sup>5</sup> , Arsenic, Cadmium, Welding, Pharmaceutical mfg.	x	S	FS		x	Adjustable buckle strap
	8293	P100	Lead, MDA <sup>5</sup> , Arsenic, Cadmium, Welding, Pharmaceutical mfg.	x	S	FS		x	Adjustable buckle strap

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