











3M™ Filtering Facepiece Particulate Respirators

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 <i>AAD#07027</i>	N95	Grinding, Sanding, Sweeping, Other dusty operations		S				Economical N95
	8110S (small)	N95	Grinding, Sanding, Sweeping, Other dusty operations		S	NF			
	8210	N95	Grinding, Bagging, Sanding, Sweeping, Other dusty operations		S	NF			Welded strap attachment
	8210Plus <i>AAD#07048</i>	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 <i>AAD#07185</i>	N95	Grinding, Bagging, Sanding, Sweeping, Other hot/dusty operations	x	M			x	Soft inner materials
	8271	P95	Grinding, Machining, Sanding, Sweeping, Other dusty/hot/oily operations	x	M	FS		x	
	9210 <i>AAD#37021</i>	N95	Grinding, Bagging, Sanding, Sweeping, Other dusty operations		S	NF			Collapse resistant, individually packaged, 3-panel design for convenient storage and portability
	9211 <i>AAD#37022</i>	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% effective **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** – Face Seal
4. **AG** – 3M recommended nuisance level acid gas relief (nuisance levels are less than OSHA PEL) **OV** – 3M recommended 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 Automotive Aftermarket Division (AAD) Product Numbers are found in blue type on select products

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WARNING ! See warnings on inside back cover.

3M™ Filtering Facepiece Particulate Respirators

Dusty Conditions/Nuisance Odors

Product Number	NIOSH Classification ¹	Suggested Applications	3M™ Cool Flow™		FaceSeal/ Nose Foam ³	Carbon Filter Material ⁴	Braided Comfort Straps	Other
			Exhalation Valve	Nose-clip ²				
 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

1. **N95** – Not for oil, at least 95% efficient **R95** – Oil resistant, at least 95% effective **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 nuisance level acid gas relief (nuisance levels are less than OSHA PEL) **OV** – 3M recommended 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.

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.







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3M™ Filtering Facepiece Particulate Respirators



Welding and Metal Pouring

	Product Number	NIOSH Classification ¹	Suggested Applications	3M™ Cool Flow™		FaceSeal/ Nose Foam ³	Carbon Filter Material ⁴	Braided Comfort Straps	Other
				Exhalation Valve	Nose-clip ²				
	8212	N95	Welding, Torch cutting, Brazing, Soldering, Metal pouring	x	S	FS		x	Adjustable buckle strap, welding web, cake resistant filter media
	8612	N95	Welding, Torch cutting, Brazing, Soldering, Metal pouring	x	S	NF		x	Adjustable buckle strap, welding web, cake resistant filter media
	8214 <i>AAD#07187</i>	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
	8614	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
	8615 <i>AAD#07189</i>	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

Class 100

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4. AG – 3M recommended nuisance level acid gas relief (nuisance levels are less than OSHA PEL) **OV** – 3M recommended 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)
5. MDA – Methylenedianiline

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