

**3M** Science.  
Applied to Life.™

A welder in full protective gear, including a silver heat-reflective suit, a welding mask, safety glasses, and earmuffs, is working in a factory. The welder is holding a long-handled tool and is positioned next to a large, glowing orange molten metal container. The background shows industrial structures and pipes.

# Protection that works as hard as you do.

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3M™ Disposable Particulate Respirators





# Your employees. They deserve reliable and quality respiratory protection.

Disposable respirators from 3M combine comfort with proprietary technologies that help deliver easy breathing and comfortable protection against particle hazards in both oil and non-oil environments.

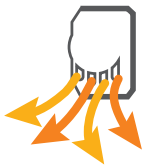


# Breathe easy with proven technology.

Each 3M disposable particulate respirator is made of our proprietary filter media to allow greater airflow while capturing more contaminants in electrostatically charged microfibers. And that's just the start.

## Innovative technology offers protection and comfort.

These icons identify which features are included on each respirator, so you can match the right one to your environment:



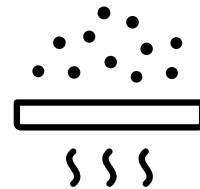
### 3M™ Cool Flow™ Exhalation Valve

One-way valve for easy exhalation and easy breathing.



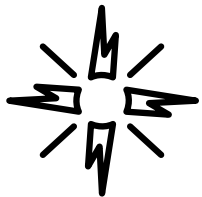
### M-Noseclip

Easily adjustable to help provide a custom and secure seal.



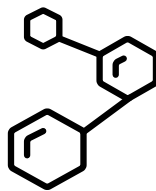
### Cake-Resistant Filter Media

Long-lasting and easy breathing with a layered filter media designed for welding.



### Welding Web

Unique filter media with protective layers, designed to be flame resistant per ASTM D2859-96.\*



### Carbon Filter Material

Comfort and relief from nuisance levels\*\* of odors, vapors and gaseous contaminants.



### Adjustable Buckle Straps

Get a comfortable, secure seal with a single tug.

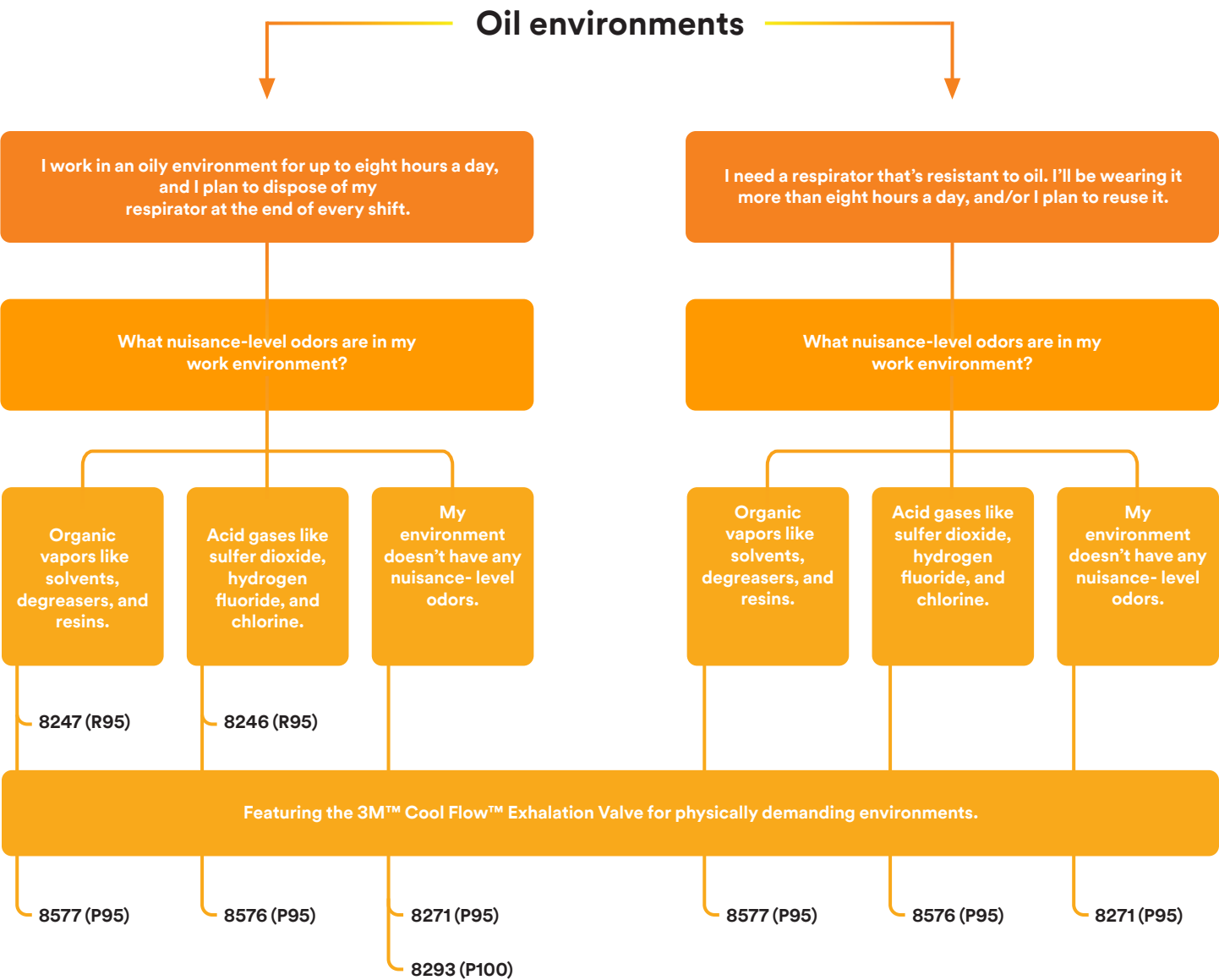
\*Not a substitute for a faceshield

\*\*Nuisance level refers to concentrations not exceeding OSHA PEL or applicable occupational exposure limit whichever is lower.

# Find the right respirator for your job.

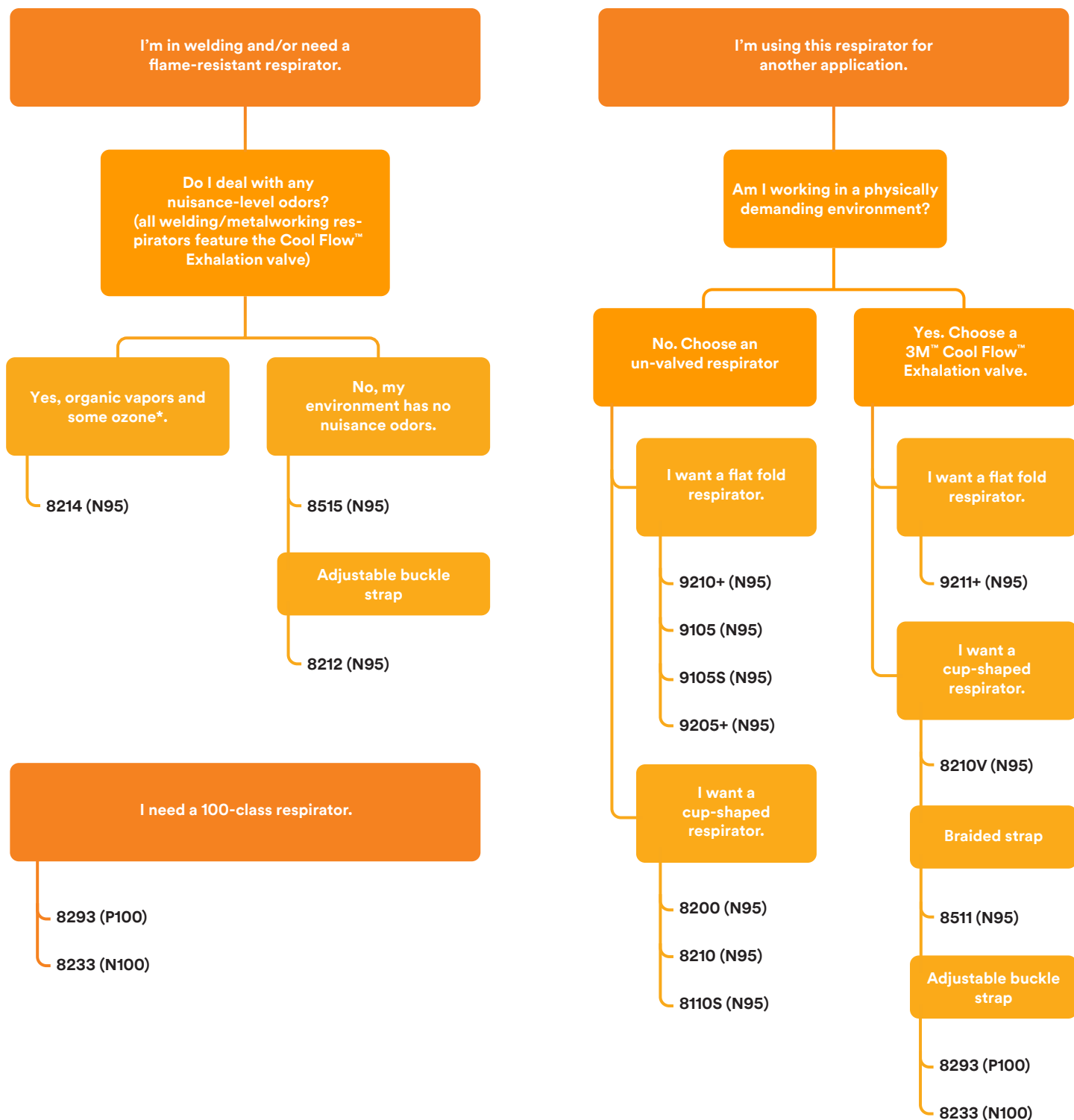
All 3M™ disposable particulate respirators have a US OSHA assigned protection factor (APF) of 10 and provide protection against airborne particulates like dust, mists or fumes. Disposable respirators will not help filter gases and vapors.

If you need protection against gases, vapors, or particulates such as solvents, cleaning products, adhesives, chemicals, paint spray or other hazards or are in healthcare and/or need a fluid-resistant respirator, please contact your sales representative to learn about other options.





## Non-oil environments



\*This decision tree is intended to help each employer find options for their specific situation. In the US, employers must implement a full respiratory protection program per OSHA 29 CFR 1910.134, including proper respirator selection, training, and use. Misuse of a respirator may result in overexposure to contaminants and cause sickness or death. For correct use, consult your supervisor and User Instructions, or call 3M at 1-800-247-3941.





# General purpose respirators

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Reliable protection against a wide range of non-oily particles.  
Engineered to provide at least 95% filtration efficiency.



## Unvalved N95 Respirators (flat fold)



### 9205+

The 3M™ Aura™ Series innovative 3-panel design combines comfort and convenience with its soft inner materials, adjustable chin tab and a sculpted, embossed top panel designed to allow more room for eyewear and help reduce eyewear fogging.

Flat fold design offers convenient storage and portability

Individual packaging helps protect respirator from contamination



### 9210+

Same great design as the 3M™ Aura™ 9205+, N95 but with braided headbands to help keep respirator securely in place and minimize pulling of hair.



### 9105 & 9105S

The economical 3M™ VFlex™ Particulate Respirator's proprietary V-shaped pleats expand to give you a spacious feel, helps make breathing easier, and flexes with mouth movement while talking. Available in two sizes.

## Unvalved N95 Respirators (cup-shaped)



### 8210

One of the most widely used disposable respirators in the industry. Features an adjustable nose clip and soft nose foam for security and comfort, and a welded head-strap attachment.



### 8110S

A small size version similar to our classic 8210, N95 respirator. Features an adjustable noseclip and soft nose foam for security and comfort.



### 8200

Lightweight, economical choice. Adjustable nose clip. Two-strap design with four point staple attachment helps provide a secure seal.

## Valved (flat fold)



### 9211+



Features new 3M™ Cool Flow™ Comfort Valve that releases warm, moist exhaled breath more quickly than the previous valve.

## Valved (cup-shaped)



### 8210V



An economical option based on our popular non-valved 8210 series.

## Valved (cup-shaped with braided strap)



### 8511



Our most popular valved model is suited for physically demanding environments and long periods of wear.





# Respirators for oil environments

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Designed for use in environments where oil mist, nuisance-level odors and gases are present. Offering protection from oil mist and other irritants, R95 respirators are somewhat resistant to oil mist, whereas P95 respirators are strongly resistant to oil mist.



## Respirators for Oil Environments



**8271 (P95)**  

Features a collapse-resistant shell.  
Designed for: Grinding, sanding, sweeping, machining and other dust-producing, oily operations.



**8293 (P100)**  

Provides minimum filter efficiency of 99.97% against oil-based and non oil-based **particles**.

## Relief from Nuisance-Level Odors



### Organic Vapors



**8247 (R95)** 

**8577 (P95)**   




Helps provide comfortable protection against nuisance levels\*\* of organic vapors such as solvents, degreasers and resins. Designed for: Foundry operations, lab settings, agriculture, petrochemical manufacturing, undercoating.

### Acid Gases



**8246 (R95)** 

Helps protect against nuisance levels\*\* of acid gases such as sulfur dioxide, hydrogen fluoride and/or chlorine. Designed for: Glass etching, chemical processing, paper processing, aluminum.

**8576 (P95)**   



**IMPORTANT:** All 3M products shown in this catalog must be used in accordance with the OSHA regulations and the user instructions, warnings, and limitations accompanying each product.

\*\*Nuisance level refers to concentrations not exceeding OSHA PEL or applicable occupational exposure limit whichever is lower.





# Flame-resistant respirators for welding

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Offering protection from welding fumes, these respirators all feature 3M™ Cool Flow™ Exhalation Valve technology that helps release warm and moist exhaled breath from inside the respirator.



## N95 Welding Respirators



**8214**



Designed to protect in welding situations, particularly with stainless, galvanized and aluminum, when ozone\* and nuisance-level\*\* organic vapors are present.

Comfortable foam face seal helps offer a secure seal.

**8212**



Designed for tough environments with unique filter media designed specifically to be flame-resistant for welding with comfortable foam face seal for a more secure fit.



**8515**



An economical option for welders with adjustable M-Noseclip and braided headbands for a custom, secure seal.

\*3M recommended for ozone protection up to 10X PEL/OEL, for up to 8 hours of use. Not NIOSH approved for use against ozone.

\*\*Nuisance level refers to concentrations not exceeding OSHA PEL or applicable occupational exposure limit whichever is lower.



A close-up photograph of a male worker in profile, facing left. He is wearing a white 3M 100 class disposable respirator with a filter, clear safety glasses, and a dark grey work shirt. He is holding a yellow flexible hose with a coiled end. The background is a blurred industrial building with a window. The text '100 class disposable respirators' is overlaid in large white font on the lower left.

# 100 class disposable respirators

Offering NIOSH's highest rated filtration efficiency in disposable respirators, our 100 class disposable respirators offer protection in oil and non-oil environments.



## P100 Respirators

### 8293 (P100)

Provides minimum filter efficiency of 99.97% against **non-oil and oil-based particles**.



Adjustable noseclip helps provide a custom and secure seal

3M™ Cool Flow™ Exhalation Valve

Comfortable face seal

Adjustable buckle straps help provide a secure fit

- Compatible with a variety of protective eyewear and hearing protection
- Individually packaged

## N100 Respirators

### 8233 (N100)

Provides minimum filter efficiency of 99.97% against **non-oil-based particles**.



Adjustable noseclip helps provide a custom and secure seal

3M™ Cool Flow™ Exhalation Valve

Comfortable face seal

Adjustable buckle straps help provide a secure fit

- Compatible with a variety of protective eyewear and hearing protection
- Individually packaged



# Product ordering information

## 3M™ Disposable Particulate Respirators

		NIOSH Class	SKU	Qty/ Box	Boxes/ Case	Case Qty
	9205+	N95	7100232219	20	12	240
	9210+	N95	7100266132	20	12	240
	9105	N95	7000002390	50	8	400
	9105S	N95	7000030028	50	8	400
	8210	N95	7100132742	20	8	160
	8110S	N95	7000052065	20	8	160
	8200	N95	7000052787	20	8	160
	9211+	N95	7100303148	10	12	120
	8210V	N95	7000002462	10	8	80
	8511	N95	7000002056	10	8	80
Respirators for oil environments	8247	R95	7000002060	20	6	120
	8246	R95	7000002059	20	6	120
	8577	P95	7000002062	10	8	80
	8576	P95	7000002061	10	8	80
	8271	P95	7000002047	10	8	80
	8293	P100	7000002055	1	-	20
Flame-resistant respirators for welding	8214	N95	7000002083	10	8	80
	8515	N95	7000002112	10	8	80
	8212	N95	7000002027	10	8	80
100 class respirators	8293	P100	7000002055	1	-	20
	8233	N100	7000002028	1	-	20







## 3M.com/disposable

Visit our website for more information including:

- Online Medical Evaluations
- Training Tools
- Where to buy
- Respiratory Management Program
- Videos
- Downloadable tech bulletins



**3M Personal Safety Division**  
3M Center,  
Building 235-2W-70  
St. Paul, MN 55144-1000

**3M Canada Company PSD**  
P.O. Box 5757  
London, Ontario N6A 4T1  
Canada



### ⚠WARNING

These respirators help reduce exposures to certain airborne particulates. Before use, the wearer must read and understand the User Instructions provided as a part of the product packaging. A written respiratory protection program must be implemented meeting all the requirements of OSHA 1910.134 including training, fit testing and medical evaluation. In Canada, CSA standards Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. Misuse may result in injury, illness or death. For correct use, consult supervisor and User Instruction, or call 3M PSD Technical Service in USA at 1-800-247-3941 and in Canada at 1-800-267-4414.

Technical Assistance in US  
1-800-247-3941  
Technical Assistance in Canada  
1-800-267-4414  
[www.3M.com/workersafety](http://www.3M.com/workersafety)

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