



Particulate Respirator N100 8233

Photo#4891



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Respiratory Protection Solutions

Workers want respirators that are lightweight, comfortable and easy to use. With expertise in filtration technologies, 3M offers a family of respirators that provide high levels of comfort and value—customer-preferred solutions.

Features & Benefits

- Meets NIOSH 42 CFR 84 N100 requirements. TC-84A-1298
- 3M™ Cool Flow™ Exhalation Valve
 - Patented one-way valve offers easy exhalation for cool, dry comfort
- Faceseal
 - Comfortable to wear.
 - Contours easily to help provide a good seal.
- Adjustable noseclip
 - Helps provide a custom fit and secure seal.
 - Reduces the potential for eyewear fogging.
- Lightweight construction
 - Promotes greater worker comfort.
 - Contributes to increased wear time.
- All filter design
 - Provides economical protection.
 - No spare parts to clean and maintain.
 - Promotes easier communication.
 - Easily fits under faceshields.
- Buckle adjustable straps
 - A single tug helps provide a comfortable, secure fit.
- 3M™ Probed Particulate Respirator Model 8233Q available for quantitative fit testing.



Suggested Applications

- OSHA substance specific particle exposures in concentrations up to 10x the OSHA PEL
 - Lead
 - Cadmium
 - Arsenic
 - 4, 4'—Methylenedianiline (MDA)
- Pharmaceutical manufacturing
- Welding
- Brazing
- Soldering
- Torch cutting
- Metal pouring

Use For:

- Solids such as those from processing minerals, coal, iron ore, flour, and certain other substances.
- Liquid or non-oil based particles from sprays that do not also emit harmful vapors.
- Metal fumes produced from welding, cutting and other operations involving heating of metals.



▲ WARNING !

This respirator helps protect against certain particles. Misuse may result in sickness or death. For proper use, see supervisor or instructions or call 3M OH&ESD Technical Service. 1 800 243-4630.

3M OH&ESD Information Line





For information on 3M filtering facepiece particulate respirators, call 1 800 247-3941.

Do Not Use For:

Gases and vapors, including those present in paint spraying operations, oil aerosols, asbestos or sandblasting. Aerosol concentrations that exceed 10 times the OSHA PEL, or applicable government regulations, whichever is lower. This respirator does not supply oxygen.

3M™ Particulate Respirator N100 Model 8233

Patented Technologies

			
Cool Flow™ Exhalation Valve. Patented one-way valve for easy exhalation and cool, dry comfort.	Faceseal. Soft and secure, conforms closely to face for long-lasting comfort and protection.	Advanced Electret Media. Advanced electrostatically charged microfibers make breathing easier and cooler.	Buckle adjustable straps. A single tug helps provide a comfortable, secure fit.

Other products to consider include:
3M™ Particulate Respirator P100
Model 8293

A complete description of all patented technologies is on page C28.

Time Use Limitation

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area immediately and replace the respirator.

Additional Information

This respirator contains no components made from natural rubber latex. To receive additional information, call our Fax on Demand at 1 800 646-1655 and request a document number, or see the appropriate page in this Resource Guide, as listed below.

Fit Testing

Before use of this respirator, a written respiratory protection program must be implemented, meeting all of the requirements of OSHA 29 CFR 1910.134, including training and fit testing.

Description	Document #	Page #
Safety Directors Guide to Industrial Respirator Protection	3103	page A1
Respirator Selection Guide	2021	page A1
Workplace Performance Studies		page A1
Respirator Fit Testing	1010, 1026	page A1
Model 8233 N100	3039	

Ordering Information

Model	Description	UPC Code	National Stock #
8233	1 respirators/bag	5 00 51138 54143 4	4240-01-452-8348
8233Q	1 probed respirator/bag	5 00 51138 66187 3	N/A

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