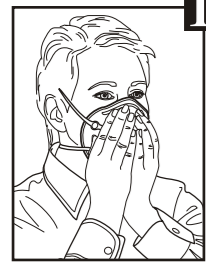


## Mask vs 3M Respirator

Features	Masks (Unapproved)	3M Maintenance Free Respirator
<ul style="list-style-type: none"> <li>Filter Medium</li> <li>Filtering Efficiency</li> <li>Comfort</li> </ul>	Paper gauze / cloth Very low / inconsistent Deteriorates due to clogging (Surface loading)	Electrostatic filter Very high Consistent even over long usage (No surface loading)
<ul style="list-style-type: none"> <li>Approval</li> <li>Resistance to Breathing</li> </ul>	None High (gradually increases)	NIOSH/EN/AS-NZ international approval Low
<ul style="list-style-type: none"> <li>Intended Use</li> </ul>	The intended use of a mask is to help prevent large particles expelled by the wearer (e.g. spit, mucous) from reaching the area in working	The intended use of a respirator is to help reduce the wearer's exposure to certain airborne particles.
<ul style="list-style-type: none"> <li>Fit</li> </ul>	Masks are not designed to pass a fit test. Masks fit loosely over the face leaving large gaps between the mask and the wearer.	Respirators are designed to fit tightly to the face and create a seal between the face and the respirator.
<ul style="list-style-type: none"> <li>Certification</li> </ul>	No testing is mandatory on Masks	Respirators are tested & must meet stringent test criteria

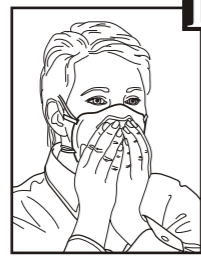
### Fit Check

Easy way to check the seal of your 3M respirator.



1a

**For non-valved respirators** Place both hands completely over the respirator and exhale. The respirator should bulge slightly. If air leaks between the face and face seal of the respirator, reposition it and readjust the nose clip for a more secure seal. If you cannot achieve a proper seal, **do not** enter the contaminated area. Check with your supervisor.



1b

**For valved respirators** Place both hands over the respirator and inhale sharply. The respirator should collapse slightly. If air leaks between the face and face seal of the respirator, reposition it and readjust the nose clip for a more secure seal. If you cannot achieve a proper seal, **do not** enter the contaminated area. Check with your supervisor.

### 3M Fit Test Kit



3M equipment and procedures provide a simple, direct way to meet qualitative fit testing requirements.

The fit test works by spraying a sweet or bitter solution into the hood environment. If the wearer does not detect the test agent's taste, an acceptable fit has been demonstrated.

#### Features / Benefits

Fast, easy method for performing qualitative fit testing. This can be used with any particulate respirator or any gas/vapor respirator with a particulate prefilter. Convenient, reliable and economical to use.



#### Contents of Kit

- Fit test solution
- Sensitivity solution
- Laminated instruction booklet
- Two nebulizers
- One hood
- One collar assembly
- Two sets replacement nebulizer inserts.

**WARNING:** No respirator is capable of preventing all airborne contaminants from entering the wearer's breathing zone. These respirators help protect against certain airborne contaminant particles or gases & vapours, only by reducing airborne concentrations in the breathing zone to below the TLV or other recommended exposure levels. Before use, the user must read & understand "User Instructions"; Misuse of respirators may result in over-exposure to the contaminant & cause sickness or death. For assistance, see a supervisor or call 3M OH&ES India-Technical service at 91-80-66595999 or send us your enquiries at [ohesindia@mmm.com](mailto:ohesindia@mmm.com).

COMFORTABLE RESPIRATORS WITH SECURE AND PERFECT FIT

## 3M™ Maintenance Free Respirators



Get more  
**Comfortable**  
about your **Protection**

**3M**

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Environmental Safety Division  
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Log on to  
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**3M**

Occupational Health  
and Environmental Safety Division

# Protecting people

at work, at home, for life



Efficient, Comfortable & Economical protection against dusts, mists, fumes and nuisance odours.

3M's range of Maintenance Free Respirators (MFR-Particulate respirators) helps you meet high safety standards at the workplace. MFR's can be chosen based on your application. You can select a respirator that best meet your requirements.

### Protects Against:

- Dust
- Mist
- Fumes
- Organic Vapours (Nuisance Level)
- Radio Active Substances
- Acid Gases (Nuisance Level)
- Avian Influenza (Bird Flu) & SARS
- Hydrogen Fluoride
- Lead
- Mercury

### Features & Benefits:

**High Filtering efficiency**  
Filtering efficiency of over 95%, coupled with low breathing resistance provides maximum safety & Comfort.

**Maintenance-free respirators**  
Economical and easy-to-use.

**All filter design**  
No spare parts to clean and maintain. Promotes easier communication. Easily fits under face-shields.

**Lightweight construction**  
Greater user comfort. Contributes to increased wear-time.

**Face Seal**  
Comfortable to wear. Contours easily to provide a good face seal.

**Buckle-adjustable straps**  
A single tug provides a comfortable & secure fit.

**Secure and Perfect Fit**

### Patented Technology Highlights



**Advanced Electret Media**  
3M™ advanced electrostatically charged microfibres exceed NIOSH filtration requirements and make breathing easier and cooler.



**Cake-Resistant Media**  
Particles are trapped throughout the lofty outer layer and then by Advanced Electret Media. This layering prolongs respirator life while maintaining ease of breathing.



**M-Nose Clip**  
The new 3M™ M-Nose Clip fits easily around the nose-bridge with fewer pressure points and greater comfort. Secure seal reduces the chances of eyewear fogging.



**Odour-Removing Filter Material**  
Say good-bye to nuisance odours found in many workplaces. Layers of carbon in many 3M respirators remove low-level odours which workers may find objectionable.



**Cool Flow™ Exhalation Valve**  
A patented one-way valve for easy exhalation and heat reduction, the new Cool Flow™ Valve from 3M™ provides users with cool, dry comfort in hot and humid conditions.



**Compatible with Other Safety Equipment**  
Protective eye and ear-wear and 3M respirators? No problem! Innovative 3M respirator designs accommodate a wide range of safety equipment.

## 3M Maintenance Free Respirators Selection Chart



Product		9004	8710	8210	8511	8240	8246	9913	8822	8512	9332	8233	
3M Technologies	Cup Shaped		✓	✓	✓	✓	✓	✓	✓	✓		✓	
	Folded (Flat / Triple)	✓									✓		
	Electret Media	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Cool Flow™ Exhalation Valve (Patented)				✓				✓	✓	✓	✓	
	Collapse Resistance Shell					✓				✓			
	Staple Free			✓									
Protects against	Dusts	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Toxic Dusts										✓	✓	
	Oily Conditions					✓	✓		✓		✓		
	Organic Vapor (Nuisance Level )							✓					
	Acid Gases (Nuisance Level)						✓						
	Welding			✓	✓				✓	✓	✓	✓	
	Metal Pouring				✓	✓			✓	✓			
	Painting (Below TLV Levels)								✓				
	Asbestos											✓	✓
	Alumimium Smelting (HF)							✓					
Approvals	Avian Influenza / SARS (as recommended by WHO)			✓	✓	✓			✓	✓	✓	✓	
	OSHA Substance Specific (Lead, Cadmium, arsenic and MDA)										✓	✓	
	NIOSH Approved			✓ N95	✓ N95	✓ R95	✓ R95			✓ N95		✓ N100	
	AS/NZ Approved	✓ P1											
EN approved		✓ P1					✓ P1	✓ P2		✓ P3			

3M has more products to meet your specific needs. For more detail contact your nearest 3M Distributor / 3M Sales, or send your enquiries to [ohesindia@mmm.com](mailto:ohesindia@mmm.com)

### Wearing your maintenance free respirator



**1** Place the respirator over your nose and mouth. Be sure the metal nose clip is on top.



**2** Pull the top strap over your head until it rests on the crown of your head above your ears.



**3** Pull the bottom strap over your head until it rests just below your ears.



**4** Using both hands starting at the top, mold the metal nose clip around your nose to achieve a secure seal. Note: Pinching the nosepiece using one hand may result in improper fit and less effective respirator performance. Use two hands.