

## 3M 8511PB1-A-PS

# 3M N95 Respirator 8511 User Manual

Model: 8511PB1-A-PS | Brand: 3M

### INTRODUCTION

This manual provides essential information for the proper use, maintenance, and care of your 3M N95 Respirator 8511. Designed with advanced filter media and a Cool Flow Valve, this respirator offers protection against certain non-oil-based particles and aerosols, ensuring easier breathing and comfort during extended periods of wear. Please read this manual thoroughly before using the product to ensure safety and optimal performance.



Image: The 3M N95 Respirator 8511, showing the product and its packaging.

## Safety Information

**WARNING:** Limitations apply; Misuse may result in sickness or death. Always refer to the product packaging and insert for complete safety guidelines. For further assistance, contact 3M in USA at 1-800-243-4630 or in Canada at 1-800-267-4414.

- **DIY/Home Use:** Use ONLY in NON-HARMFUL environments.
- **Occupational/Hazardous Use:** Use under a regulated government (e.g., OSHA) respiratory protection program.



Image: A detailed legal disclaimer regarding the proper use of the respirator in different environments.

## KEY FEATURES

- **NIOSH-APPROVED N95:** Provides at least 95 percent filtration efficiency against certain non-oil-based particles and aerosols.
- **3M Cool Flow Exhalation Valve:** Helps direct exhaled air downward and allows for easy breathing, reducing heat and moisture buildup inside the respirator.
- **Up to 50% Easier Breathing:** Compared to non-valved 3M 8200 respirators, offering enhanced comfort.
- **Advanced Filter Media:** Engineered for easy breathing and enhanced capture of airborne particles.
- **Adjustable M-Noseclip:** Helps provide a custom and secure seal for various face shapes.
- **Stretchable, Braided Headbands:** Designed for comfort during long periods of wear.
- **Lightweight Design:** Contributes to overall comfort.
- **Convenient, Disposable Design:** For single-use applications.

## **3M™ Advanced Electrostatic Media**

allows for easy breathing

## **Adjustable M-Noseclip**

helps ensure a custom, secure seal

## **NIOSH-Approved N95**

for at least 95 percent filtration efficiency against certain non-oil-based particles and aerosols

## **Up to 50% Easier Breathing**

compared to 3M™ 8200

## **3M™ Cool Flow™ Valve**

helps release warm breath from inside the respirator

## **Stretchable, Braided Headbands**

for comfort



Image: A detailed diagram highlighting the key features of the 3M 8511 Respirator, including the Cool Flow Valve, adjustable M-noseclip, and advanced filter media.

# 3M™ COOL FLOW™ VALVE

helps release warm,  
exhaled breath from  
inside the respirator

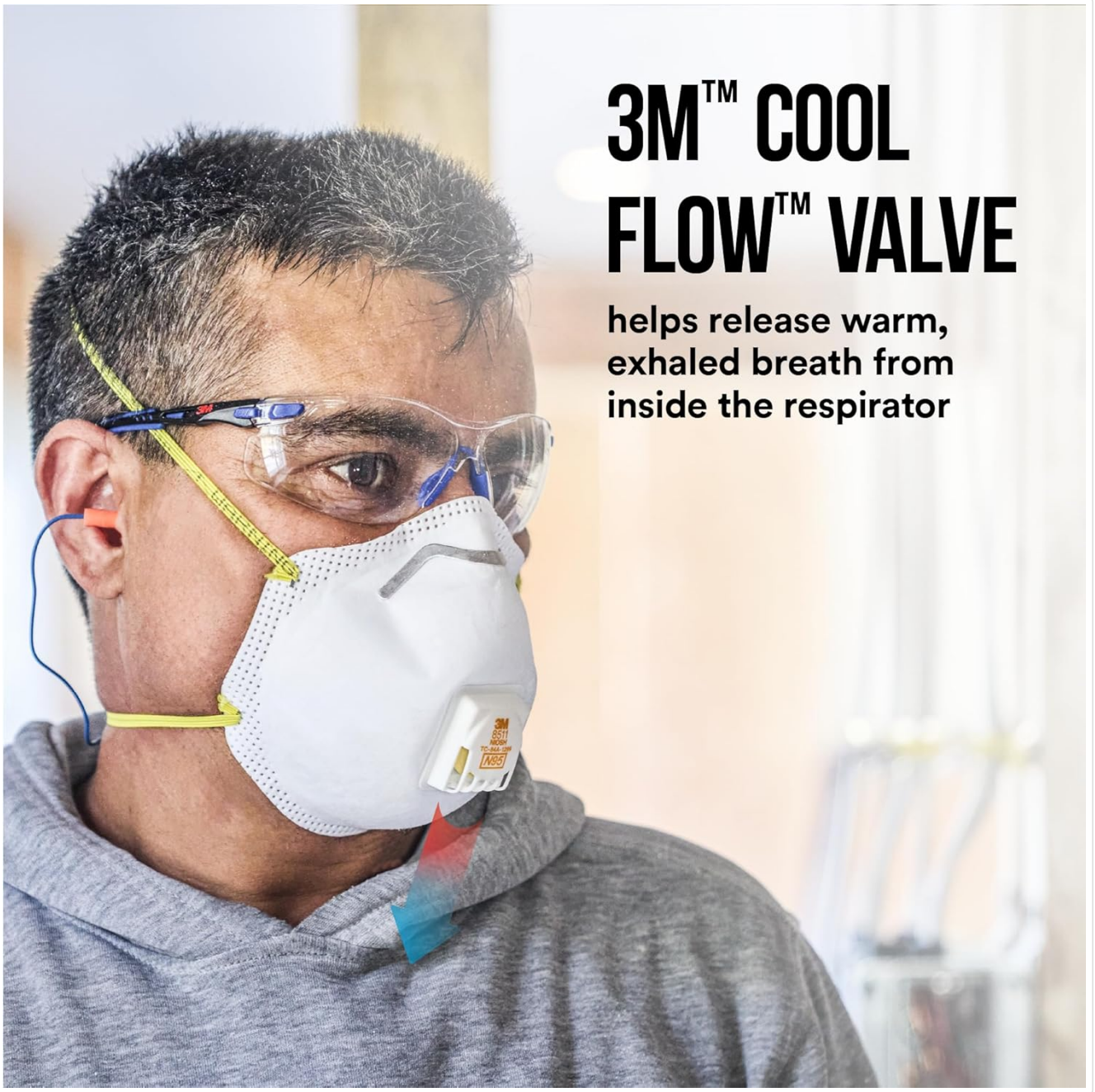
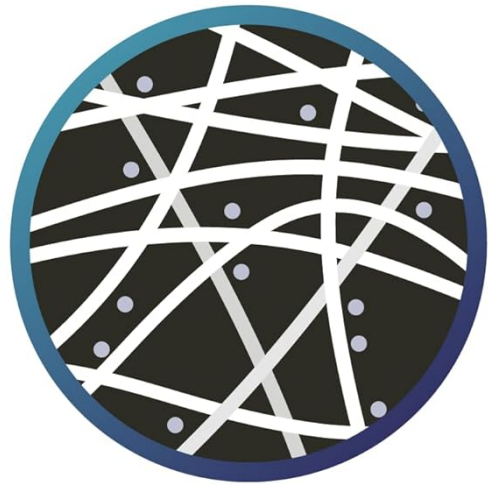


Image: A person wearing the 3M N95 Respirator, demonstrating how the Cool Flow Valve helps release warm, exhaled breath.



**3M™ ADVANCED ELECTROSTATIC MEDIA**



**STANDARD FILTER MEDIA**

# MORE OPEN. MORE AIRFLOW.

**3M™ Advanced Electrostatic Media  
enhances the capture of airborne particles  
and allows for easy breathing**

Image: A visual comparison showing the difference between 3M Advanced Electrostatic Media and standard filter media, emphasizing more open and better airflow.



**3M™ 8511**

**VS.**



**3M™ 8200**

**UP TO 50%  
EASIER BREATHING**

**3M™ Cool Flow™ Valve 8511  
compared to 3M™ 8200 Respirator**

Image: A side-by-side comparison of the 3M 8511 and 3M 8200 respirators, highlighting that the 8511 offers up to 50% easier breathing.

# ALSO HELPS FILTER

**pollen, mold spores, allergens,  
granular pesticides and  
dust particles encountered  
during outdoor activities**



Image: A person wearing the respirator while operating a lawnmower, illustrating its effectiveness in filtering pollen, mold spores, allergens, granular pesticides, and dust particles during outdoor activities.



# NIOSH- APPROVED N95

for at least 95 percent  
filtration efficiency  
against certain  
non-oil-based particles  
and aerosols

Image: A close-up of a person wearing the respirator, emphasizing its NIOSH-APPROVED N95 certification for 95% filtration efficiency.



# USE FOR:

sanding, drywall cutting,  
sweeping, sawing,  
woodworking, fiberglass  
insulating, yard work,  
grinding and dusting

Image: A person sanding a surface while wearing the 3M N95 Respirator, demonstrating its use for activities like sanding, drywall cutting, sweeping, sawing, woodworking, fiberglass insulating, yard work, grinding, and dusting.



Image: A person in full protective gear, including the 3M N95 Respirator, handling insulation in a construction environment, showcasing its application in insulating tasks.

## SETUP

1. **Inspect Respirator:** Before each use, inspect the respirator for any damage, tears, or deformities. Ensure the nose clip is intact and the headbands are not stretched or broken.
2. **Positioning:** Hold the respirator in your hand with the nose clip facing up. Position the bottom strap below your ears and the top strap above your ears.
3. **Nose Clip Adjustment:** Press the soft metal nose clip firmly against your nose to form a tight seal. Ensure there are no gaps around the edges of the respirator.
4. **Fit Check:** Perform a fit check by exhaling sharply. If air leaks around the edges, readjust the nose clip and straps until a secure seal is achieved.

## OPERATING INSTRUCTIONS

The 3M N95 Respirator 8511 is designed for single-use protection against non-oil-based particles. It is not intended for use against gases, vapors, or oil-based aerosols. Always ensure the respirator is properly fitted before entering a contaminated area.

- Wear the respirator for the duration of exposure to airborne particles.
- Do not modify the respirator in any way.
- Replace the respirator if it becomes damaged, breathing becomes difficult, or if it becomes contaminated.
- Dispose of used respirators according to local regulations.

## MAINTENANCE

As a disposable respirator, the 3M N95 Respirator 8511 requires minimal maintenance. Proper storage is key to maintaining its effectiveness.

- Store respirators in their original packaging in a clean, dry environment, away from direct sunlight and extreme temperatures.
- Do not wash or attempt to clean the respirator. This can compromise its filtration efficiency.
- Discard the respirator after a single use or if it becomes soiled, damaged, or difficult to breathe through.

## TROUBLESHOOTING

If you encounter issues with your 3M N95 Respirator 8511, consider the following:

- **Air Leakage:** If you feel air leaking around the edges during a fit check, readjust the nose clip and headbands. Ensure the respirator is centered on your face.
- **Difficulty Breathing:** If breathing becomes difficult, the respirator may be clogged with particles. Discard the current respirator and replace it with a new one.
- **Discomfort:** Ensure the headbands are not too tight or too loose. Adjust them for a comfortable yet secure fit. The M-noseclip can also be gently reshaped for better comfort.
- **Valve Malfunction:** If the Cool Flow Valve appears stuck or damaged, the respirator's effectiveness may be compromised. Discard and replace.

## SPECIFICATIONS

Attribute	Detail
Brand	3M
Model Number	8511PB1-A-PS
Filter Class	N95
Product Dimensions	5 x 6.2 x 8.5 inches
Item Weight	3.53 ounces
Color	White
Number of Items	10 Count (Pack of 1)
Manufacturer	3M
Date First Available	November 9, 2004

## WARRANTY AND SUPPORT

For specific warranty information and detailed support regarding your 3M N95 Respirator 8511, please refer to the

documentation included with your product or visit the official 3M website. You may also contact 3M customer service directly for assistance.

**Contact Information:**

- USA: 1-800-243-4630
- Canada: 1-800-267-4414