

The 3M logo is positioned in the top-left corner of the page, set against a black triangular background that points towards the bottom-left.

# Health Care Particulate Respirator and Surgical Mask

User Instructions  
(Keep these instructions for reference)

Meets CDC guidelines for *Mycobacterium tuberculosis* exposure control.

## **1860/1860S**

## WARNING

This respirator helps protect against certain particulate contaminants but does not eliminate exposure to or the risk of contracting any disease or infection. **Misuse may result in sickness or death.** For proper use, see supervisor, or *User Instructions*, or call 3M in U.S.A., 1-800-247-3941. In Canada, call Technical Service at 1-800-267-4414.

### IMPORTANT

Before use, the wearer must read and understand these *User Instructions*. Keep these instructions for reference.

### DESCRIPTION

The 3M™ 1860 Health Care Particulate Respirator and Surgical Mask is designed to help provide respiratory protection for the wearer. This product has a filter efficiency level of 95% or greater against particulate aerosols free of oil<sup>1</sup>. It is fluid resistant, disposable and may be worn in surgery. It can fit a wide range of face sizes.

This product contains no components made from natural rubber latex.

**INTENDED USE:** This product meets CDC guidelines for *Mycobacterium tuberculosis* exposure control. As a respirator, it is intended to reduce wearer exposure to certain airborne particles in a size range of 0.1 to >10.0 microns, including those generated by electrocautery, laser surgery, and other powered medical instruments. As a surgical mask, it is designed to be fluid resistant to splash and spatter of blood and other infectious materials; when worn properly and in combination with protective eyewear, it complies with the OSHA Bloodborne Pathogens Standard. It also provides >99% BFE<sup>2</sup> against wearer generated micro-organisms.

**CONTRAINDICATIONS:** Not for industrial use. Not for use with beards or other facial hair that prevents direct contact between the face and the sealing surface of the respirator. OSHA has not set a permissible exposure level for airborne biohazards.

### USE INSTRUCTIONS:

1. Before use for respiratory protection, a written respiratory protection program must be implemented meeting all requirements of OSHA 29 CFR 1910.139 and/or 1910.134 such as medical evaluation, training and fit testing. In Canada, CSA standard Z94.4 requirements must be met. The 3M saccharin (sweet) or Bitrix™ (bitter) qualitative fit test is recommended for this respirator. When used only as a surgical mask, fit testing is not required.
2. Respirator may be used until damaged, breathing becomes difficult, or contaminated with blood or body fluids. Otherwise, it may be stored and reused according to the facility's infection control policy.
3. Filtering facepieces are to be inspected prior to each use to assure there are no holes in the breathing zone other than the punctures around staples and no damage has occurred. Enlarged holes resulting from ripped or torn filter material around staple punctures are considered damage. Immediately replace respirator if damaged. Staple perforations do not affect NIOSH approval.
4. Discard after every use when used for surgical procedures.

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<sup>1</sup> Tested against a 0.3 micron particle (count median diameter) per 42 CFR 84.

<sup>2</sup> Bacterial Filtration Efficiency (BFE) determined by the modified Greene and Vesley test method.

## Fitting Instructions (Must be followed each time respirator is worn)

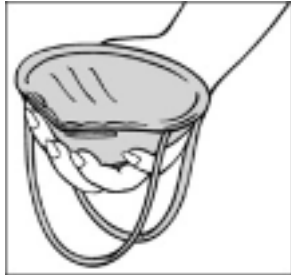


Fig. 1



Fig. 2



Fig. 3

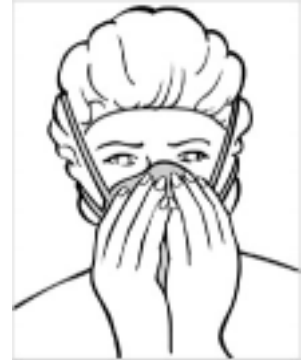


Fig. 4

1. Cup the respirator in your hand, with the nosepiece at your fingertips, allowing the headbands to hang freely below your hand.
2. Position the respirator under your chin with the nosepiece up. Pull the top strap over your head resting it high at the top back of your head. Pull the bottom strap over your head and position it around the neck below the ears.
3. Place your fingertips from both hands at the top of the metal nosepiece. Using two hands, mold the nose area to the shape of your nose by pushing inward while moving your fingertips down both sides of the nosepiece.

! Pinching the nosepiece using one hand may result in improper fit and less effective respirator performance. Use two hands.

4. Perform a User Seal Check prior to each wearing. To check the respirator-to-face seal, place both hands completely over the respirator and exhale. Be careful not to disturb the position of the respirator. If air leaks around nose, readjust the nosepiece as described in step 3. If air leaks at the respirator edges, work the straps back along the sides of your head.

**If you CANNOT achieve proper seal, DO NOT enter the isolation or treatment area. See your supervisor.**

## Removal Instructions

See step 2 of *Fitting Instructions* and cup respirator in hand to maintain position on face. Pull bottom strap over head. Still holding respirator in position, pull top strap over head and remove respirator.

# NIOSH Approved: N95

At least 95% filtration efficiency against solid and liquid aerosols that do not contain oil.



3M  
ST. PAUL, MN, USA  
1-800-243-4630



**THIS RESPIRATOR IS APPROVED ONLY IN THE FOLLOWING CONFIGURATION:**

TC-	Protection <sup>1</sup>	Respirator		Cautions and Limitations <sup>2</sup>
		1860	1860S	
84A-0006	N95	X	X	ABCJMNP

**1. PROTECTION**

**N95 - Particulate Filter** (95% filter efficiency level) effective against particulate aerosols free of oil; time use restrictions may apply

**2. CAUTIONS AND LIMITATIONS**

- A - Not for use in atmospheres containing less than 19.5 percent oxygen.
- B - Not for use in atmospheres immediately dangerous to life or health.
- C - Do not exceed maximum use concentrations established by regulatory standards.
- J - Failure to properly use and maintain this product could result in injury or death.
- M - All approved respirators shall be selected, fitted, used, and maintained in accordance with MSHA, OSHA, and other applicable regulations.
- N - Never substitute, modify, add, or omit parts. Use only exact replacement parts in the configuration as specified by the manufacturer.
- O - Refer to user's instructions, and/or maintenance manuals for information on use and maintenance of these respirators.
- P - NIOSH does not evaluate respirators for use as surgical masks.

This respirator contains no components made from natural rubber latex.

**FOR MORE INFORMATION** and assistance on 3M occupational health and environmental safety products, contact your local 3M representative or call 3M OH&ESD Technical Service toll free in U.S.A., 1-800-243-4630. In Canada, call Technical Service at 1-800-267-4414.

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38-9017-7547-8