

# 3M™ 1804, 1804S Particulate Respirators

## Technical Data Sheet



This health care particulate respirator and surgical mask helps provide respiratory protection against certain airborne particles. The folded respirator expands for a spacious feel and the pleats help increase surface area for ease of breathing.

This disposable N95 Health Care Particulate Respirator and Surgical Mask is designed to help provide quality, reliable respiratory protection for health care workers. CDC guidelines state N95 respirators may be used for M. tuberculosis exposure control. As a disposable particulate respirator, it is intended to help reduce wearer exposure to certain airborne particles 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. 3M uses a variety of innovative technologies and features to help you meet your respiratory protection and comfort needs.

### Key Features

- NIOSH approved N95 rating
- FDA cleared for use as a surgical mask
- Fluid Resistance: 80 mmHg
- Flammability Rating Class I
- Adjustable nose clip
- V-shaped pleats
- Flat-fold style
- Stapled headbands

### Materials

The following materials are used in the production of VFlex respirators:

Straps	Polyisoprene
Staples	Steel
Nose Clip	Aluminium
Filter	Polypropylene
Coverweb	Polypropylene

**This respirator does not contain components made from natural rubber latex.**

Maximum mass of products = 10g



### Use For

- Intended to be worn by operating room personnel during surgical procedures to help protect both the surgical patient and the operating room personnel from transfer of microorganisms, body fluids, and particulate material.
- Always follow User Instructions and use in manners as indicated.

### Do Not Use for

- DO NOT use for gases or vapours (i.e. anaesthetic gases such as isoflurane or vapours from sterilants such as glutaraldehyde)
- DO NOT use in any manner not indicated in the User Instructions

### Approvals and Standards

- NIOSH approved N95 respirator
- Meets NIOSH 42 CFR 84 N95 requirements for a minimum 95% filtration efficiency against solid and liquid aerosols that do not contain oil.
- NIOSH approval number: TC-84A-7789
- FDA cleared for use as a surgical mask
- Bacterial Filtration Efficiency F2101 >99% BFE
- OSHA Assigned Protection Factor (APF) 10
- Australian TGA approved

Packaging	Product Code	3M Order Code
50 Respirator/box, 8 boxes/case	1804 (Regular size)	70071676954
50 Respirator/box, 8 boxes/case	1804S (Small size)	70071676962

## Storage and Transportation

This Respirator has a shelf life of five (5) years. End of shelf life is marked on the product packaging. Before initial use, always check that the product is within the stated shelf life (use by date). Product should be stored in clean, dry conditions within the temperature range: - 20°C to + 30°C with a maximum relative humidity <80%. When storing or transporting this product use original packaging provided.

## Disposal

Contaminated products should be disposed as hazardous waste in accordance with local regulations.

**It is recommended that wearers be fit tested in accordance with AS/NZS 1715:2009 Standard. For information regarding fit testing procedures, please contact 3M.**

## Fitting Instructions

**Must be followed each time the respirator is worn. Before fitting device, ensure hands are clean.**

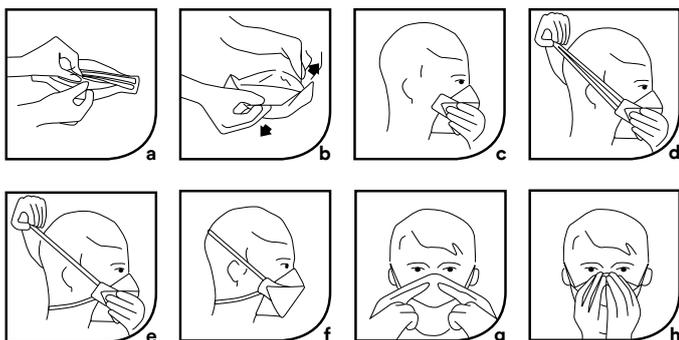
See Figure 1 below.

Select the most appropriate size from two (2) sizes (standard and small) of respirators and applicable to protection required - either Class P1 or P2.

Standard size (9102A or 9105A) is suggested for majority of wearers. Small size (9102AS or 9105AS) is suggested for wearers with small faces.

To help you wear this respirator correctly, it is marked with “Chin side only”. Before applying Fitting Instructions, locate marking “Chin side only” on the respirator.

**Figure 1**



1. Using both hands, place fingers on top side and thumbs on underside of nosepiece. Bend slightly downwards at centre of nosepiece (Fig. 1a).
2. With both straps held on the top panel, unfold respirator by pulling top panel (with nosepiece) up and bottom panel down so the respirator is open all the way (Fig. 1b).
3. Place opened respirator against your face with the bottom panel under your chin and the top panel with nosepiece across the bridge of your nose. Hold the respirator on your face with one hand. With your other hand pull the bottom panel securely under your chin (Fig. 1c).
4. Pull one strap over your head and position it around the neck and below your ears (Fig. 1d). Pull second strap over your head and position it high on the back of your head (Fig. 1e). Tabs on sides of respirator may be used to further adjust face-piece for a comfortable fit as necessary. Ensure facial hair, hair, jewellery and clothing are not between your face and the respirator as they will interfere with fit. Ensure respirator is completely opened and its edges lay flat against your face. Adjust for a comfortable fit by pulling bottom edge under chin while holding top edge on the nose (Fig. 1f).

5. Place fingertips of both hands at the top of the metal nosepiece. Mould the nosepiece to the shape of the nose bridge by pushing inwards while moving your fingertips down both sides of the nosepiece (Fig. 1g).
6. The respirator may not fit as well if you pinch the nose-clip using one hand so resulting in less effective respirator performance. Use two hands. Slide fingers down both sides of the nosepiece to seal it against your nose and face.

### 7. POSITIVE PRESSURE FIT CHECK

The seal of the respirator on the face should be checked by the wearer prior to entering the work area. (Fig. 1h)

- a) Cover front of the respirator with both hands, being careful not to disturb the position of the respirator.
- b) Exhale sharply. If air leaks around the nose bridge, then re-adjust the nosepiece as described in Step 5.

If air leaks around the respirator edges, work the straps back along the side of your head. If you cannot achieve proper fit, repeat Steps 1-7.

- c) If no leakage is detected then work may proceed.

8. If you CANNOT achieve a proper seal DO NOT enter the contaminated area. See your supervisor.

**It is very important to press the nosepiece firmly to the nose bridge to form a good seal.**

## Warnings and Use Limitations

Always be sure that the complete product is:

- Suitable for the application;
  - Fitted correctly;
  - Worn during all periods of exposure;
  - Replaced when necessary.
- Proper selection, training, use and appropriate maintenance are essential in order for the product to help protect the wearer from certain airborne contaminants.
  - Failure to follow all instructions on the use of these respiratory protection products and/or failure to properly wear the complete product during all periods of exposure may adversely affect the wearer's health, lead to severe or life threatening illness or permanent disability.
  - For suitability and proper, use follow local regulations, refer to all information supplied or contact an occupational hygienist, safety professional or 3M representative on the Tech Assist Helpline 3M Australia 1800 024 464, 3M New Zealand 0800 364 357.
  - Before use, the wearer must be trained in use of the complete product in accordance with applicable Health and Safety standards/guidance.
  - These products do not contain components made from natural rubber latex.
  - These products do not protect against all gases/vapours.
  - Do not use in atmospheres containing less than 19.5% oxygen. (3M definition. Individual countries may apply their own limits on oxygen deficiency. Seek advice if in doubt).
  - Do not use for respiratory protection against atmospheric contaminants/concentrations which are unknown or immediately dangerous to life and health (IDLH).

**Do not use with beards or other facial hair that may inhibit contact between the face and the product thus preventing a good seal.**

- Leave the contaminated area immediately if:
  - a) Breathing becomes difficult.
  - b) Dizziness or other distress occurs.
- Discard and replace the respirator if it becomes damaged, breathing resistance becomes excessive or at the end of the shift.
- Never alter, modify or repair this device.
- In case of intended use in explosive atmospheres, contact 3M.

**Warning:** Respirators must not be used until your employer has determined whether usage will be in accordance with manufacturer's instructions. The wearer must be trained in the proper fitting and use of this product. Failure to follow all instructions and warnings on the use of this product and/or failure to wear this respirator during all times of exposure can reduce respirator effectiveness and result in illness or death. All respirators should be used in accordance with Australian standard AS/NZS 1715. It is recommended that fit testing be conducted before assigning a respirator to an individual. If you cannot achieve a proper fit, do not enter contaminated areas. Do not use with beards or other facial hair or conditions that prevent a good seal between the face and the sealing surface of the respirator.

**Important Notice:** 3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.



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