

3M Science.
Applied to Life.™




**Take care of yourself so you
can continue to care for others.**

**3M™ Healthcare Particulate Respirators
and Surgical Masks**

#3MScienceOfSafety

Mask or Respirator

What’s right for me?



Helps reduce the risk of large particles expelled by the wearer from reaching patients and is used as a physical barrier to protect the user from hazards, such as splashes of large droplets of blood or body fluids.

Often fits loosely, leaving gaps between the mask and your face. Does not require it testing or user seal checks.

Helps protect the sterile surgical field from contamination by exhaled particles. Fluid-resistant surgical masks help reduce your exposure to blood and body fluids.

Cleared for sale by the Food and Drug Administration (FDA).

Tested for Particle Filtration Efficiency (PFE) and Bacterial Filtration Efficiency (BFE), plus fluid resistance, differential pressure and flammability.


Intended Use

Fit

Applications

Approvals

Testing



Helps reduce wearer exposure to certain airborne particles.

Designed to fit tightly, creating a seal between your face and the respirator. Requires fit testing and user seal checks.

Designed to help reduce your exposure to certain airborne particles, including those generated by electrocautery, laser surgery and other powered medical instruments. CDC guidelines state N95 respirators may be used for M. tuberculosis exposure control.*

* Centers for Disease Control and Prevention. Guidelines for Preventing the Transmission of Mycobacterium tuberculosis in Health-Care Settings, 2005. MMWR 2005; 54 (No. RR-17): 1-141

Tested and certified by NIOSH. Complies with AS/NZS 1716:2012

NIOSH N95 approved/ P2 rated/ FDA cleared/ TGA listed.

Proprietary filter media maximises performance and comfort

3M™ Health Care Particulate Respirator and Surgical Masks are scientifically designed to help make breathing easier and safety more comfortable. Our unique manufacturing process injects a powerful electrostatic charge into an open formation material, improving the efficiency of particle removal while allowing more air to pass through. The result is a highly effective respirator, so you can focus on caring for your patients.



3M’s unique filter media features highly charged microfibers designed to significantly enhance the capture of airborne particles. This effectiveness allows 3M to design respirators with a more open formation, helping lessen breathing resistance.

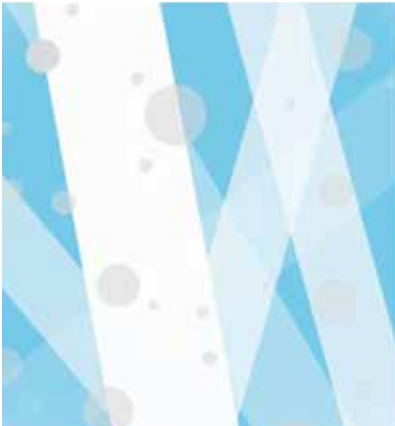


Illustration of how 3M’s electrostatically charged microfibers—magnified 10,000 times—attract and capture particles from the air.

3M™ Flat Fold N95 Health Care Respirator & Surgical Mask 1870+

Features and Benefits

- Nose clip**
 - Mould nose clip to wearer’s nose shape for secure fit and seal
 - Helps to reduce fogging of eyewear
- 3M™ Proprietary Filter Media**
 - Effectively filter performance giving low breathing resistance for improved comfort
- Embossed top panel**
 - Embossed top panel helps to reduce fogging of eyewear
 - Sculpted top panel allows more room for eyewear and conforms to wearer’s nose and eye contours
 - Improves compatibility with eyewear
 - Low profile design provides a good field of vision
- Innovative Chin tab**
 - Ease of positioning, donning and adjustment
- Individually wrapped**
 - Protects from contamination prior to use
 - Flat-fold design allows for convenient storage prior to use
 - Aids portability
- Unique 3-panel flat fold design**
 - Allows for greater facial movement
 - Added comfort for the wearer

Performance Characteristics

- BFE>99%, PFE>95% (at 0.3µm particle size)
- Highest level of fluid resistance according to ASTM F1862 at 160 mm Hg

Regulatory / Compliance:

- NIOSH N95 approved/ P2 rated/ FDA cleared/ TGA listed

Materials

The following materials are used in the production of 1870+ respirators:

Straps	Polyisoprene
Staples	Steel
Nose Clip	Aluminium
Nose Foam	Polyurethane
Filter	Polypropylene
Coverweb	Polypropylene

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

Maximum mass of products = 10g



Potential settings and applications

Operating Rooms, Clinics, TB Wards, Patient Care, Labor and Delivery, Infection Control Practices, Laboratory, emergency or pandemic preparedness planning, stockpiling, etc.



3M™ Cupped N95 Health Care Respirator & Surgical Mask 1860 & 1860S

Features and Benefits

- Nose clip**
- Mould nose clip to wearer's nose shape for secure fit and seal
 - Helps to reduce fogging of eyewear

- 3M™ Proprietary Filter Media**
- Effectively filter performance giving low breathing resistance for improved comfort

- Cupped design**
- Traditional, robust style that fits most facial sizes
 - Collapse resistant
 - Cushioning nose foam, and light weight construction for comfortable wear

- Braided headbands**
- Dual latex free head straps

Available in 2 sizes to fit a broad range of faces (1860 and1860S)

Performance Characteristics

- BFE>99%, PFE>95% (at 0.3µm particle size)
- 1860 - Fluid resistant according to ASTM F1862 at 120 mm Hg
- 1860S - Fluid resistant according to ASTM F1862 at 80 mm Hg

Regulatory / Compliance:

- NIOSH N95 approved/ P2 rated/ FDA cleared/ TGA listed

Materials

The following materials are used in the production of 1860, 1860S respirators:

Straps	Braided Polyisoprene
Staples	Steel
Nose Clip	Aluminium
Nose Foam	Polyurethane Foam
Filter	Polypropylene/Polyester
Shell	Polypropylene
Coverweb	Polypropylene

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

Maximum mass of products = 11.3g



Available in two sizes:
Standard and Small

Potential settings and applications

Operating Rooms, Clinics, TB Wards, Patient Care, Labor and Delivery, Infection Control Practices, Laboratory, emergency or pandemic preparedness planning, stockpiling, etc.



3M™ VFlex™ N95 Health Care Respirator & Surgical Mask 1804 &1804S

Features and Benefits

- Tabs**
- Uniquely designed for positioning teh respirator on the face for convenience and to help achieve a comfortable seal
 - Helps to reduce fogging of eyewear

- 3M™ Proprietary Filter Media**
- Effectively filter performance giving low breathing resistance for improved comfort

- Comfortable inner layer**
- Robust style that fits most facial sizes

- Elastic Headbands**
- Contains no components made from natural rubber latex

- Pleats**
- Flex with mouth movement while talking
 - Help increase surface area for easy breathing
 - Flatfold design allows for convenient storage prior to use

- Adjustable noseclip**
- Helps provide a custom and secure seal
 - Imbedded, metal noseclip

Available in 2 sizes to fit a broad range of faces (1804 and1804S)

Performance Characteristics

- BFE>99%, PFE>95% (at 0.3µm particle size)
- 1804 - Fluid resistant according to ASTM F1862 at 80 mm Hg
- 1804S - Fluid resistant according to ASTM F1862 at 80 mm Hg

Regulatory / Compliance:

- NIOSH N95 approved/ P2 rated/ FDA cleared/ TGA listed
- Flammability Rating Class I
- Meets CDC guidelines for Mycobacterium tuberculosis exposure control
- 3M™ Advanced Electrostatic Media (AEM) - Highly charged microfibers enhance the capture of airborne particles while allowing you to breathe easier

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



Available in two sizes:
Standard and Small

Potential settings and applications

Operating Rooms, Clinics, TB Wards, Patient Care, Labor and Delivery, Infection Control Practices, Laboratory, emergency or pandemic preparedness planning, stockpiling, etc.



Helping You Wear it Right

Disposable respirators are most effective when there is a good seal between the edges of the respirator and your face. The instant this seal is broken, protection is compromised as contaminated air can leak in through any gaps. These fitting instructions must be followed each time a 3M™ VFlex Health Care Respirator 1804/1804S is worn.



Place fingers from both hands on top side of nosepiece. Place both thumbs underneath side of nosepiece and bend slightly at center of nosepiece.



Unfold the respirator by pulling top part (with nosepiece) up and bottom part down so the respirator is open all the way. Straps should be held on the top panel.



Place respirator against your face with the bottom under your chin, and the nosepiece across the bridge of your nose. Hold the respirator on your face with one hand. With your other hand pull the bottom securely under your chin.



Pull one strap over your head and position it around the neck below your ears.



Pull second strap over your head and position it high on the back of your head.



Adjust by pulling bottom edge under chin while holding top edge on nose.



Adjust by pulling bottom edge under chin while holding top edge on nose.



Place your fingertips from both hands at the top of the nosepiece. Use both hands to bend the nosepiece to fit snugly against your nose and face. Slide fingers down both sides of the nosepiece to seal it against your nose and face.

Note: Always use two hands when molding the nosepiece. Pinching with one hand may result in improper fit and less effective respirator performance.



Perform a User Seal Check

Check the seal of your respirator each time you use the respirator.

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 the nose, re-adjust the nosepiece as described in step 8. If air leaks around respirator edges, adjust position of straps and make certain respirator edges fit snugly against the face. If you CANNOT achieve a proper seal, DO NOT enter the contaminated area. See your supervisor.

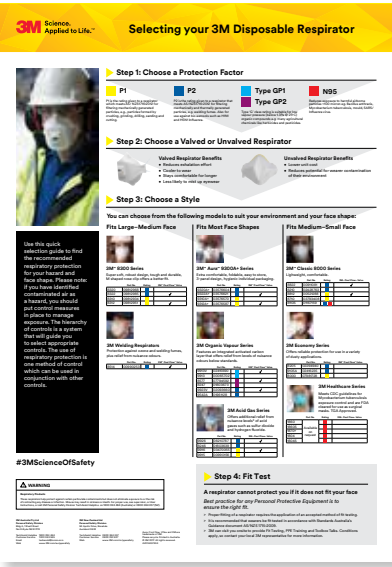
Posters educating users on how to wear it right for other models available on request.

Ordering Information

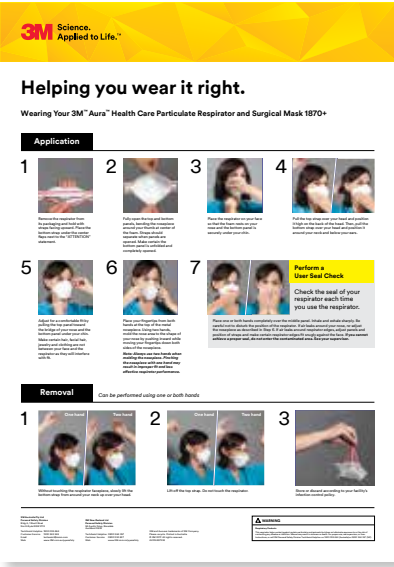
Item ID	3M Ordering Code	Description	Packaging
1870+	GT500073009	3M™ Flat Fold Particulate Respirator & Surgical Mask 1870+, N95/P2 with Fluid Resistance	20 each/ box 6 boxes/ case
1860	AT010607219	3M™ Cupped Particulate Respirator & Surgical Mask 1860S (small size), N95 with Fluid Resistance	20 each/ box 6 boxes/ case
1860S	XA010000546	3M™ Cupped Particulate Respirator & Surgical Mask 1860S (small size), N95 with Fluid Resistance	20 each/ box 6 boxes/ case
1804	70071676954	3M™ VFlex™ Health Care Particulate Respirator and Surgical Mask, Regular	50 each/ box 8 boxes/ case
1804S	70071676962	3M™ VFlex™ Health Care Particulate Respirator and Surgical Mask, Small	50 each/ box 8 boxes/ case

Additional resources available

Selection Guide



Fit Posters



Technical Articles



Technical Data Sheets



Youtube Videos

Medical Respirator N95 Fit Test Instructions 3M Health Care Respirator & Surgical Mask
<https://www.youtube.com/watch?v=xl4qX6qEYXU&t=15s>

3M Health Care Particulate Respirator and Surgical Masks
<https://www.youtube.com/watch?v=LHHwVdcZPbs>

1870+ Respirator Fitting Instructions
<https://www.youtube.com/watch?v=ikrpLxt5oCA>

Training and Support

3M's team of Occupational Hygienists and Technical Specialists offer support and training to meet the needs of our customers.

They can provide customers:

- Initial and ongoing technical support
- Advice and training for your company, including audits for your workplace
- Fit testing coordination for respiratory and hearing protection

No matter how effective a piece of PPE is, it will offer little or no protection if it is not fitted and worn correctly. Proper inspection, cleaning and storage is vital for safety equipment that protects a worker's health and well being.

That is why 3M offers training programs that explain the correct way to fit, inspect, clean and store the PPE designed and manufactured by our company.

3M TechAssist

3M TechAssist is the ideal point of contact for your questions, especially when you require a prompt answer. Supported by trained staff, Tech Assist is an immediate link to the worldwide resources of 3M.

Customers can contact TechAssist to answer questions on product information, technical advice, guidance with product selection, Australian Standards and other important information they need to know on a day-to-day basis.

You can contact 3M's TechAssist service:

Australia

TechAssist Helpline on 1800 024 464 or by email at techassist@mmm.com

New Zealand

TechAssist Helpline on 0800 364 357

Nationwide Distributor Network

3M distributes our wide range of workplace safety products through a distributor network which includes over 250 stores and branches throughout Australia.

To find a 3M safety distributor near you, visit our website:

Australia

www.3m.com.au/ppesafety or ring 3M customer service on 1300 363 565

New Zealand

www.3m.com/nz/ppesafety or ring 3M customer service on 0800 252 627

Follow our Podcast

Keeping up to date with work safety regulations can be a challenge, that's why we've launched the 3M Science of Safety Podcast. Learn from industry leaders, technical experts, influencers and regulators, as they discuss the many topics of work health and safety.

#3MScienceOfSafety



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