

Take Your Respiratory Protection Personally

Protect yourself. Protect your patients.

Patient Safety is your first priority. But it's just as important to take care of yourself, so you can continue to care for others. The 3M family of health care respirators can help you do just that, by providing quality, comfort and protection.

- Variety of styles to help meet the individual needs of your health care workers
- Proprietary filter media designed for ease of breathing
- NIOSH Approved: N95
- FDA cleared as surgical mask





Masks vs. Respirators



Helps prevent large particles expelled by the wearer (e.g. spit, mucous) from reaching the patient.

Often fits loosely over the face leaving gaps between the mask and the wearer. Does not require fit testing.

Helps protect the sterile surgical field from contamination of exhaled particles. In addition, fluid resistant surgical masks help reduce wearer exposure to blood and body fluids.

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

Tested for particle filtration efficiency (PFE), bacterial filtration efficiency (BFE), fluid resistance, differential pressure and flammability.

Intended Use

Helps reduce the wearer's exposure to certain airborne particles.

Fit

Designed to fit tightly to the face and create a seal between the face and the respirator. Requires fit testing prior to use.

Application Use

Intended to help reduce wearer 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.*

Approval

Tested/certified by NIOSH. Cleared by FDA as a surgical mask.

Testing

Must meet stringent test criteria stated in 42 CFR Part 84; in addition are tested for fluid resistance and flammability. They may also be tested for PFE, BFE, and differential pressure.

*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

Breathe Easy with 3M surgical respirators

Proprietary filter media designed for ease of breathing

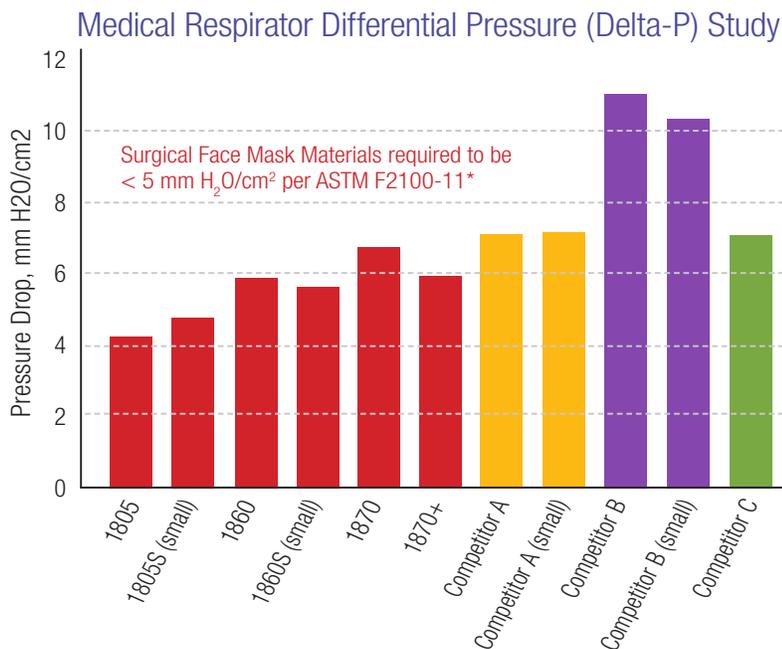
3M™ Health Care particulate respirator and surgical masks are engineered with proprietary Advanced Electrostatic Media (AEM). Our unique manufacturing process injects a high level of electrostatic charge into microfibers arranged in an open formation that allows for the greater passage of air through the media.



Illustration of 10,000x magnified electrostatically charged microfibers.

These highly charged microfibers greatly enhance the capture of airborne particles and enable 3M to design health care respirators with reduced breathing resistance.

3M™ surgical N95 respirators show lower pressure drop than all other competitive respirators tested.[†]



Differential Pressure (Delta-P) is the measured pressure drop across a surgical facemask material. Delta-P determines the resistance of the surgical facemask to air flowing through the mask. Pressure drop also relates to the breathability and comfort of the surgical mask. In general, a lower Delta-P translates to increased breathability[^]

[†]Testing per MIL-Spec 36945C 4.4.1.2 using 4.9 cm² sample at 8 L/min. Source: Pressure drop performance in chart represents results from internal testing conducted on a sample lot of 3M products against a sample lot of commercially available product from three leading competitors in September 2012. Selection of respirator models, testing protocol, data generation and conclusions were reviewed and approved by an expert from the University of Minnesota. Statistically different per two sample T-tests (P-value <0.001). Results may vary.

^{*}Performance requirement ASTM F2100-11 medical facemask materials classification.

[^]MIL-M 36945C 4.4.1.1.1 Method 1 Military Specifications: Surgical Mask, disposable (June 12, 1975) (Source – Guidance for Industry and FDA Staff: Surgical Mask-Premarket Notification [510 (k)] Submissions)

Note: 1870 is being phased out and replaced by 1870+.

3M™ Health Care Particulate Respirator and Surgical Masks



1805, 1805S	1860, 1860S	1870+
Value	Market Leader	Premium
<ul style="list-style-type: none"> • Flat Fold design helps keep respirator away from your mouth • Pleats flex with mouth movement • Unique tabs for positioning on face • Available in two sizes 	<ul style="list-style-type: none"> • Collapse-resistant cup shape design • Braided straps for comfort • Cushioning nose foam • Available in two sizes 	<ul style="list-style-type: none"> • Flat fold design offers convenient storage and portability • Individual packaging helps protect respirator from contamination • Soft nose foam and smooth inner materials • Chin tab for positioning on face • Sculpted nose panel allows more room for eyewear • Embossed top panel helps reduce eyewear fogging • Highest level of fluid resistance*

*According to ASTM F1862 at 160 mm Hg

Ordering Information

Cat. Number	Description	Item/Box	Box/Case
1805	3M™ VFlex™ Healthcare Particulate Respirator and Surgical Mask	50	8
1805S	3M™ VFlex™ Healthcare Particulate Respirator and Surgical Mask, Small	50	8
1860	3M™ Healthcare Particulate Respirator and Surgical Mask	20	6
1860S	3M™ Healthcare Particulate Respirator and Surgical Mask, Small	20	6
1870+	3M™ Aura™ Healthcare Particulate Respirator and Surgical Mask	20	6



WARNING

These respirators help protect against certain airborne particulates. Before use, the wearer must read and understand the User Instructions provided as a part of the product packaging. A written respiratory protection program must be implemented meeting all the requirements of OSHA 29 CFR 1910.134 including training, fit testing and medical evaluation. In Canada, CSA standards Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. Misuse may result in sickness or death. For proper use, see package instructions, supervisor, or call 3M Health Care Helpline in USA at 1-800-228-3957 and in Canada at 1-800-563-2921.

For additional information on all 3M™ Health Care Particulate Respirators and Surgical Masks, visit www.3M.com/healthcaremasks



Infection Prevention Division

3M Health Care

2510 Conway Avenue
St. Paul, MN 55144-1000
U.S.A.
1-800-228-3957
www.3m.com/infectionprevention

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