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3M™ Disposable Respirator 1860, 1860S, N95

Technical Data Sheet

Description

The 1860 and 1860S healthcare respirators are designed to help provide respiratory protection for the wearer against certain airborne particles. As disposable particulate respirators, they are intended to reduce wearer exposure to certain airborne particles including those generated by electrocautery, laser surgery, and other powered medical instruments. As surgical masks, they are designed to be fluid resistant to splash and spatter of blood and other infectious materials.

The 1860 and 1860S particulate respirators are personal protective equipment (PPE) that are primarily intended to protect the health care workers by reducing exposure to harmful airborne particles which are small enough to be inhaled – typically particles less than 100 microns in size.

Features

- NIOSH approved N95 rating
- FDA cleared for use as a surgical mask
- Fluid Resistance (1860 at Level 2 120mm Hg & 1860S at Level 1 80mm Hg)
- Flammability Rating Class I
- Adjustable nose clip
- Braided and stapled headbands
- Particulate Respirator and Surgical Mask

Materials

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

Component	Material
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



1860 1860S

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 body fluids, and particulate material.
- Always follow User Instructions and use in manners as indicated

Do Not Use for

- DO NOT use in industrial settings
- DO NOT use for gases or vapours (i.e. anesthetic 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-0006
- FDA cleared for use as a surgical mask
- Health Canada Class I medical device
- Bacterial Filtration Efficiency F2101 >99% BFE
- OSHA Assigned Protection Factor (APF) 10
- The 1860 & 1860s is entered in the ARTG 255656

Storage and Transportation

Shelf life of the unopened product is five (5) years from date of manufacture when stored within temperature range of -20°C to +30°C and at less than 80% relative humidity. End of shelf life date is marked on the product packaging. Before initial use, always check that the product is within the stated shelf life. When storing or transporting this product use original packaging provided.

Fitting Instructions

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

See Figure 1 below.

All respirator components should be inspected for damage prior to each use.

1. Cup respirator in one hand with nosepiece at fingertips, allow headbands to hang freely below hand.
2. Hold respirator under chin, with nosepiece up.
3. Locate the upper strap across the crown of the head and the lower strap below the ears.
4. Straps must not be twisted.
5. Using both hands, mould noseclip to the shape of the nose to ensure a close fit and good seal. Pinching the noseclip using only one hand may result in less effective respirator performance.
6. To perform the fit check, place both hands completely over the respirator, being careful not to disturb the position, and exhale sharply. If air leaks around your nose, adjust the nosepiece as described in step 5. If air leaks at respirator edges, adjust the straps back along the sides of your head. Perform fit check again if an adjustment is made. If you cannot achieve a proper fit, see your supervisor. Do not enter area requiring respirator use.

Figure 1



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.

- It is recommended that fit testing be conducted before assigning a respirator to an individual. If you cannot achieve a proper fit then do not enter contaminated area. See your supervisor.
- Inspect respirator before each use to ensure it is in good working condition. Examine all the respirator parts for signs of damage including the two straps, noseclip, nose foam and staples. The respirator should be disposed of immediately upon observation of damaged or missing parts. The respirator should be disposed of immediately upon observation of damaged or missing parts.
- Leave the contaminated area immediately and contact supervisor if dizziness, irritation or other distress occurs.
- Dispose of used product in accordance with applicable regulations.
- All respirators should be used in accordance with local regulations.
- Do not alter, repair, wash, and abuse or misuse the respirator.
- Do not use with beards or other facial hair or conditions that prevent a good seal between the face and the sealing edge of the respirator.
- The respirator can help protect the wearer's lungs against certain airborne contaminants; however, it will not prevent entry through other routes such as the skin or eyes, which would require additional personal protective equipment (PPE).
- The respirator is designed for occupational/professional use by adults who are properly trained in it's use and limitations. The respirator is not designed to be used by children.
- Individuals with a compromised respiratory system, such as asthma or emphysema, should consult a physician and complete a medical evaluation prior to use.
- Maximum Operating Temperature: +50 degrees Celsius.
- The filtration efficiency of the respirator may decrease in the presence of oily mists.

Ordering Information

		Availability			
SAP ID	Legacy ID	AUS	NZ	Model #	Description
7000038243	AT010607219 (AU) XA010000538 (NZ)	•	•	1860	3M™ Cupped Particulate Respirator & Surgical Mask 1860, Standard Size, N95 with Fluid Resistance, 120 ea/Case
7000038244	XA010000546	•	•	1860S	3M™ Medical Respirator 1860S, N95, Turquoise, Small, 20 ea/Box, 6 Boxes/Carton

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 Australia/New Zealand 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

To the extent permitted by law, 3M shall not be liable for any loss or damage including any loss of business, loss of profits, or for any indirect, special, incidental or consequential loss or damage arising from reliance upon any information herein provided by 3M. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

SCAN OR CLICK FOR:

QR-CAT-DR
Disposable Respirator Catalogue Section

QR-CAT-FULL
Full Personal Safety Division Catalogue

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