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# 3M™ Particulate Respirators 8825+ and 8835+

## Technical Data Sheet



## Description

The 3M Particulate Respirators 8825+ and 8835+ meet the requirements of European Standard EN 149:2001 + A1:2009, filtering facepiece respirators for use against particles. They provide effective respiratory protection for use in industries where workers will be exposed to solid (dust) particles and/or non-volatile liquid particles.

## Applications

These respirators are suitable for use in concentrations of solid (dust) particles and/or non-volatile liquid particles up to the following limits:

| Product | EN 149:2001+A1:2009 Classification | Maximum use concentration |
|---|---|---|
| 8825+ | FFP2 R D | 10 x WEL |
| 8835+ | FFP3 R D | 20 x WEL |

WEL = Workplace Exposure Limit

Respiratory protection is only effective if it is correctly selected, fitted and worn throughout the time when the wearer is exposed to hazards.

## Components and materials

The following materials are used in the production of the 3M Particulate Respirators 8825+ and 8835+:

| Component | Material |
|---|---|
| Straps (blue for FFP2 and red for FFP3) | Cotton / Polyisoprene / Polypropylene |
| Tension adjustable buckles | Polypropylene |
| Filter / Inner Shell | Polypropylene / Polyester |
| Cool Flow™ Valve | Polypropylene / Polyisoprene |
| Face seal (can be hygienically cleaned) | Thermoplastic elastomer (TPE) |

These products do not contain components made from natural rubber latex, PVC and metals.

| Product | | Typical weight |
|---|---|---|
|  | 3M™ Particulate Respirator 8825+ | 35g |
|  | 3M™ Particulate Respirator 8835+ | 40g |

## Storage and Transportation

3M Particulate Respirators 8825+ and 8835+ have a shelf life of 5 years from date of manufacture. End of shelf life is marked on the product packaging and upon the product headband. 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 + 25°C with a maximum relative humidity of <80%. When storing or transporting this product use original packaging provided.



## ⚠ 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 a safety professional/3M representative.
- 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 protect against 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:
  - Breathing becomes difficult.
  - Dizziness or other distress occurs.
- Discard and replace the respirator if it becomes damaged, or if breathing resistance becomes excessive.
- Never alter, modify or repair this device.
- Before initial use, always check that the product is within the stated shelf life (use by date).

Version: 1

This version is the sole document applicable to the product(s) since its date of publication

## Fitting Instructions

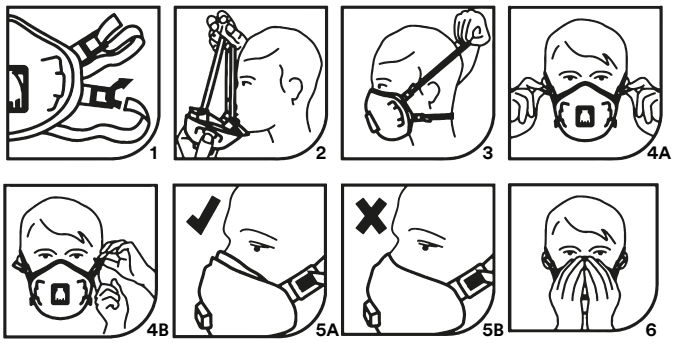
**See Figure 1.**

Before fitting device, ensure hands are clean.

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

1. Thread top elastic strap through top buckles. Repeat for bottom strap and buckles.
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. Straps must not be twisted.
4. Adjust tension: Increase - pull evenly on both ends of the top/bottom straps.
5. Adjust tension: Decrease - without removing respirator, push out on the back of the buckles.
6. Ensure face seal is properly formed around the nose.
7. The face seal must not be folded in.
8. The seal of the respirator on the face should be fit-checked before entering the workplace.

*Figure 1*




### Fit Check

1. Cover the front of the respirator with both hands being careful not to disturb the fit of the respirator.
2. VALVED respirator - INHALE sharply.
3. If the air leaks around the nosepiece, re-adjust the respirator and face seal upon the face to eliminate leakage. Repeat the fit check.
4. If air leaks at the respirator edges, adjust the tension of the straps to eliminate the leakage. Repeat the above fit check.

**If you CANNOT achieve a proper fit DO NOT enter the hazardous area.** See your supervisor.

Users should be fit tested in accordance with national requirements. For information regarding fit testing procedures, please contact 3M.

## Cleaning Instructions

If the respirator is to be used for more than one shift the face seal/ gasket must be cleaned at the end of each shift using a 3M™ Face Seal Wipe 105.

DO NOT immerse product in water.

Store cleaned respirator in a clean container to protect it from contamination.

## Disposal

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

## Marking

| | |
|---|---|
| **R =** | Reusable |
| **D =** | Meets the clogging requirements |
| | End of Shelf Life. Date format: YYYY/MM/DD |
| | Temperature Range |
| | Maximum Relative Humidity |
| | Name and address of Legal Manufacturer |
| | Dispose of in accordance with local regulations |

## Approvals

These products meet the requirements of the European Community Directive 89/686/EEC (Personal Protective Equipment Directive) and are thus CE marked. Certification under Article 10, EC Type-Examination, has been issued for these products by INSPEC International Limited, 56 Leslie Hough Way, Salford, Greater Manchester M6 6AJ, UK (Notified Body number 0194). Certification under Article 11, EC quality control, has been issued by BSI (Notified Body number 0086).

Made in UK, in an ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007 certified plant.

**Important Notice**

The use of the 3M product described within this document assumes that the user has previous experience of this type of product and that it will be used by a competent professional. Before any use of this product it is recommended to complete some trials to validate the performance of the product within its expected application.

All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user.

Compliance to the information and specification relative to the 3M product contained within this document does not exempt the user from compliance with additional guidelines (safety rules, procedures). Compliance to operational requirements especially in respect to the environment and usage of tools with this product must be observed. The 3M group (which cannot verify or control those elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control.

Warranty conditions for 3M products are determined with the sales contract documents and with the mandatory and applicable clause, excluding any other warranty or compensation.

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