



## 3M™ 8300 Series Particulate Respirators

### Description

The 3M 8300 Series Particulate Respirators provide effective respiratory protection for use in industries where workers will be exposed to dust particles and/or non-volatile liquid particles.

- Tested and CE Approved to EN 149:2001+A1:2009
- Robust outer shell improves collapse resistance.
- M-Noseclip adjusts easily for fewer pressure points and greater comfort on the nose.
- Braided headbands improve comfort on the neck, face and head with a secure feel.
- 3M™ Advanced Electret Filter Material gives effective filtration with low breathing resistance for consistent high quality performance.
- The super-soft, cushioned inner lining helps workers stay comfortable.
- Exhalation valve offers improved comfort in hot humid environments and/or where work is hard and physical\*.
- Coloured headbands for easy identification: yellow for FFP1, blue for FFP2 and red for FFP3.

### Materials

The following materials are used in the production of the 8300 Series Particulate Respirators:

- Straps - Thermoplastic Elastomer
- Staples - Steel
- Nose Clip - Aluminium
- Filter - Polypropylene
- Valve\* - Polypropylene
- Valve diaphragm\* - Thermoplastic Elastomer
- Faceseal (8833 only) - PVC

**These products do not contain components made from natural rubber latex.**

Maximum mass of products:

- Unvalved (8310 & 8320) = 10g
- Valved (8312 & 8322) = 15g
- Valved (8833) = 20g

\* 8312, 8322 and 8833 models only

### 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 Product Services (Notified Body number 008)6.

### Level of Protection

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

Model	EN149+A1 Classification	Exhalation Valve	Maximum Use Concentration
8310	FFP1 NR D	Unvalved	4 x WEL**
8312	FFP1 NR D	Valved	4 x WEL**
8320	FFP2 NR D	Unvalved	10 x WEL**
8322	FFP2 NR D	Valved	10 x WEL**
8833	FFP3 R D	Valved	20 x WEL**

\*\*WEL = Workplace Exposure Limit

R = Reusable

NR – Non reusable (single shift only)

D = Meets the clogging resistance requirements

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

### Storage and Transportation

The 3M™ 8300 Series Particulate Respirators have a shelf life of 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 + 25°C with a maximum relative humidity of <80%. When storing or transporting this product use original packaging provided.

### Cleaning

**8833 only:** If the respirator is to be used for more than one shift the face seal must be cleaned at the end of each shift using the 3M 105 face seal wipe.

DO NOT immerse product in water

## Fitting Instructions

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 lower part 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. The seal of the respirator on the face should be fit-checked before entering the workplace.

## Fit Check

1. Cover the front of the respirator with both hands being careful not to disturb the fit of the respirator.
2. (a) UNVALVED respirator - EXHALE sharply;  
(b) VALVED respirator - INHALE sharply.
3. If air leaks around the nose, re-adjust the noseclip to eliminate leakage. Repeat the above fit check.
4. If air leaks at the respirator edges, work the straps back along the sides of the head to eliminate leakage. Repeat the above fit check.

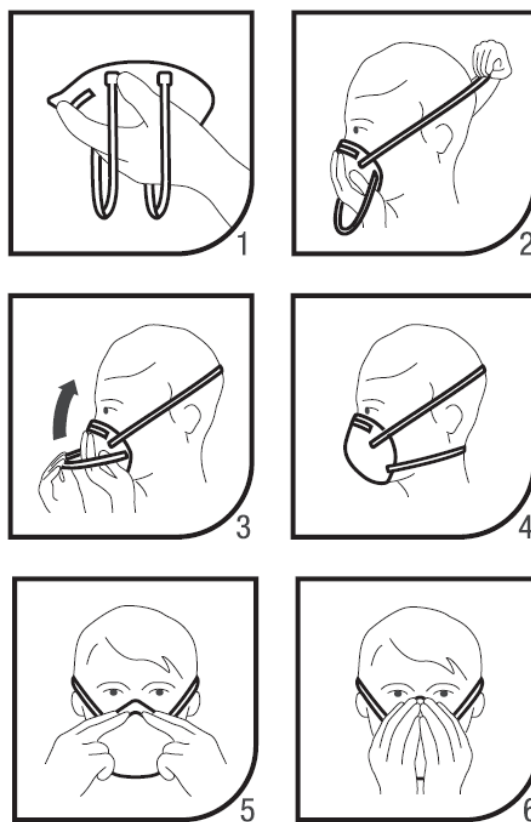
If you **CANNOT** achieve a proper fit **DO NOT** enter the hazardous area. See your supervisor.

Users should be fit tested in accordance with the requirements of the COSHH regulations.

For information regarding fit testing procedures, please contact 3M.

## 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.
- These products do not protect against gases/vapours.
- Do not use in atmospheres containing less than 19.5% oxygen.



- 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.
  - c) The respirator becomes damaged
  - d) You taste or smell contaminants, or an irritation occurs
- Discard and replace the respirator if it becomes damaged or breathing resistance becomes excessive
- Never alter, modify or repair this device.
- In case of intended use in explosive atmospheres, contact 3M.

Made in USA



### Occupational Health and Environmental Safety Group

3M United Kingdom plc  
3M Centre  
Cain Road, Bracknell  
Berkshire, RG12 8HT  
Tel: 0870 60 800 60  
www.3M.co.uk/ohes

3M Ireland limited  
The Iveagh Building  
The Park, Carrickmines  
Dublin 18  
Tel: 1800 320 500

Please recycle  
© 3M 2009. All rights reserved

CH8300DS Iss. 1