

# Technical Datasheet



## 3M™ 9900 Speciality Series Respirators 9906, 9913, 9914, 9915, 9922, 9926

### Description

The 3M™ 9900 Speciality Series Respirators have been developed for particular working environments. They provide effective respiratory protection against exposure to dust particles and/or non-volatile liquid particles as well as offering relief from nuisance odours.

- Tested and CE Approved to EN 149:2001+A1:2009
- Carbon layer provides protection against nuisance levels certain gases/vapours (below WEL\*).
- Traditional convex shape, with nose clip and twin strap design.
- Durable, collapse resistant inner shell
- Reliable, effective protection against fine particles.
- 3M™ Advanced Electret Filter Material gives effective filtration with low breathing resistance for consistent high quality performance
- 3M™ Cool Flow™ 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 and blue for FFP2

### Materials

The following materials are used in the 9900 Speciality Series Respirators:

• Straps	Polyester / Polyisoprene
• Staples	Steel
• Nose Foam	Polyurethane
• Nose Clip	Aluminium
• Filter	Polyester / Polypropylene / Carbon
• Valve**	Polypropylene
• Valve diaphragm**	Polyisoprene

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

Maximum mass of products:

- Unvalved (9906, 9913 & 9915) = 13g
- Valved (9914, 9922 & 9926) = 18g

### Standards

These products meet the requirements of the European Standard EN149:2001 + A1:2009, filtering facepiece respirators for use against particles. They should be used to protect the wearer from solid and non-volatile liquid particles only.

Performance tests in this standard include filter penetration; extended exposure (loading) test; flammability; breathing resistance and total inward leakage. A full copy of EN 149:2001+A1:2009 can be purchased from your national standards body.

Designations:

- NR = Non reusable (single shift use only)
- D = Meets the clogging resistance requirements

### 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 and Article 11, EC quality control, has been issued for these products by BSI Product Services, Maylands Avenue, Hemel Hempstead, HP2 4SQ, UK (Notified Body number 0086)

### Applications

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

Model	EN 149+A1 Classification	Exhalation Valve	Maximum Use Concentration	Gas & Vapour
9906	FFP1 NR D	Unvalved	4 x WEL	Hydrogen Fluoride (< WEL)
9913	FFP1 NR D	Unvalved	4 x WEL	Organic Vapours (< WEL)
9914	FFP1 NR D	Valved	4 x WEL	Organic Vapours (< WEL)
9915	FFP1 NR D	Unvalved	4 x WEL	Acid Gas (< WEL)
9922	FFP2 NR D	Valved	10 x WEL	Organic Vapours (< WEL) Ozone (10 x WEL)
9926	FFP2 NR D	Valved	10 x WEL	Acid Gas (< 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.

\*\* 9914, 9922 & 9926 models only.

## Storage and Transportation

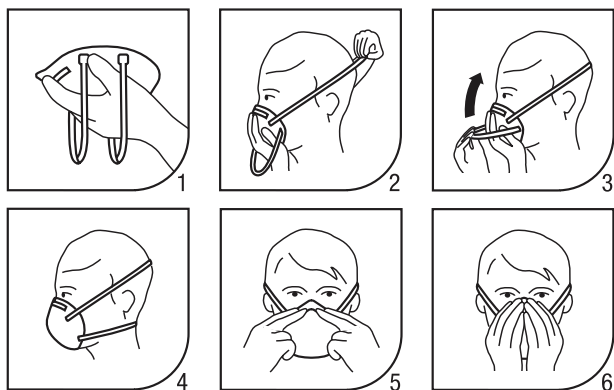
The 3M™ 9900 Speciality Series Respirators have a shelf life of 3 years. End of shelf life is marked on the product packaging. Before initial use, always check that the product is within the stated shelf life (use by date). Product should be stored in clean, dry conditions within the temperature range: – 20°C to + 25°C with a maximum relative humidity of <80%. When storing or transporting this product use original packaging provided.

## Disposal

Contaminated products should be disposed of in accordance with national regulations.

## 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 contaminated area.



## 3M Health & Safety Helpline

0870 60 800 60 (UK) 1 800 320 500 (Ireland)



### 3M Occupational Health & 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: 1 800 320 500

Please recycle.  
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## Fit Check

1. Cover the front of the respirator with both hands being careful not to disturb its fit.
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 national requirements.

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.
- 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 but offer relief from nuisance levels (i.e. levels below WEL) of certain gases/vapours. The 9922 protects against ozone.
- 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:
  - a) Breathing becomes difficult.
  - b) Dizziness or other distress occurs.
- Discard and replace the respirator if it becomes damaged, breathing resistance becomes excessive or at the end of the shift.
- Never alter, modify or repair this device.
- In case of intended use in explosive atmospheres, contact 3M.