

Technical Datasheet

3M™ 9925 and 9928 Welding Fume Respirators

Description

The 3M™ 9925 and 9928 Welding Fume Respirators provide lightweight, effective, comfortable and hygienic respiratory protection against dust particles, non-volatile liquid particles and metal fumes whilst resisting clogging for extended use against welding fumes. These respirators additionally provide respiratory protection against ozone as well as offering relief from nuisance odours.

- Tested and CE Approved to EN 149:2001+A1:2009
- Flame retardant, anti-clog, outer surface minimises the detrimental effects associated with welding splatter.
- Carbon layer provides protection against Ozone gas (10x WEL*) and nuisance levels odours (below WEL).
- Soft inner face-seal ring (9928 only) improves face seal, wearer comfort and allows for hygienic cleaning if used for longer than one shift (use 3M™ 105 Face Seal Cleaner).
- 4 point adjustable braided headbands help achieve a more secure feel and provide comfort to face, head and neck
- 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 valve print for easy identification: blue for FFP2.
- Fits well with 3M™ Speedglas™ Welding Headtops.

Materials

The following materials are used in the 9925 and 9928 Welding Fume Particulate Respirators:

• Straps	Cotton / Polyisoprene / Polypropylene
• Nose Clip	Aluminium
• Filter	Polyester / Polypropylene / Carbon
• Faceseal	9928 - PVC Foam
• Nosefoam	9925 - PVC Foam
• Valve	Polypropylene
• Valve diaphragm	Polyisoprene

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

Maximum mass of products = 36g

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 and ozone.

Performance tests in this standard include filter penetration; extended exposure (loading) test; flammability; breathing resistance and total inward leakage. Reusable products are also subjected to cleaning, storage and mandatory clogging resistance tests (clogging is optional for non reusable products). A full copy of EN 149:2001+A1:2009 can be purchased from your national standards body.

Designations:

R = Reusable
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
9925	FFP2 NR D	Valved	10 x WEL	Ozone (10x WEL) Nuisance odours (< WEL)
9928	FFP2 R D	Valved	10 x WEL	Ozone (10x WEL) Nuisance odours (< 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.

Storage and Transportation

The 3M™ 9925 and 9928 Welding Fume Particulate 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

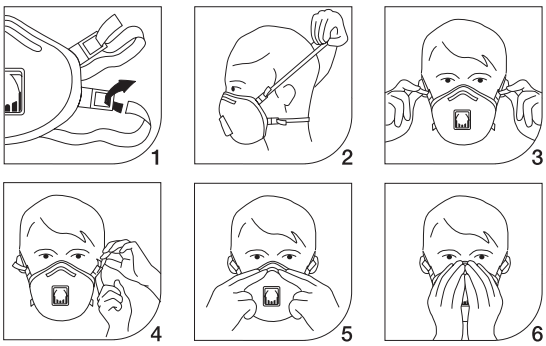
Contaminated products should be disposed of in accordance with national regulations.

Cleaning

9928 only: If the respirator is to be used for more than one shift the faceseal/gasket must be cleaned at the end of each shift using the 3M™ 105 Face Seal Cleaner.
DO NOT immerse product in water.
Store cleaned respirator in clean, airtight container.

Fitting Instructions

1. Thread top elastic strap through top buckles. Repeat for bottom strap and buckles.
2. Hold respirator under chin, with nosepiece up. Locate the upper strap across the crown of the head and the lower straps below the ears. Straps must not be twisted.
3. To increase strap tension - pull evenly on both ends of top/bottom straps.
4. To decrease strap tension - without removing respirator, push out on back of buckles.



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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.

Fit Check

1. Cover the front of the respirator with both hands being careful not to disturb its fit.
2. 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, adjust strap tension 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 except against Ozone in concentrations up to 10 x WEL and relief from nuisance levels of Organic Vapours (i.e. levels below WEL). See packaging for specific use conditions.
- 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.
- For single shift use or reusable devices: Discard and replace the respirator if it becomes damaged, breathing resistance becomes excessive, ozone breakthrough occurs or at the end of the shift*.
- Never alter, modify or repair this device.
- In case of intended use in explosive atmospheres, contact 3M.

* The 9928 is reusable for particulate protection only and can be used for more than one shift. See Cleaning instructions.

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