Technical
Datasheet



3M™ Speciality Respirator 9936

Product Description

The 3M™ Speciality Respirator 9936 has been developed for particular working environments. The 3M™ Speciality Respirator 9936 provides eff ective respiratory protection against exposure to dust particles and/or non-volatile liquid particles as well as offering relief from nuisance level Acid Gases.

- Tested and CE Approved to EN 149:2001+A1:2009
- Carbon layer provides protection against nuisance level Acid Gas (below TLV)
- 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
- Soft inner face-seal ring improves face seal, wearer comfort and allows for hygienic cleaning if used for longer than one shift (use 3M™ 105 Face Seal Cleaner).
- 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: red for FFP3

Approvals

This product meets 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 Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes, MK5 8PP. UK (Notified Body number 0086).

Standards

These products meet the requirements of amended European Standard EN 149:2001 + 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.

Products are classified by filtering efficiency and maximum total inward leakage performance (FFP1, FFP2 and FFP3), also by usability and clogging resistance.

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

Applications

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

Model	EN 149+A1 Classification	Exhalation Valve	Threshold Limit Value, TLV	Gas & Vapour
9936	FFP3 R D	Valved	50	Acid Gas (< TLV)

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

Selection Guide

		FFP3	Acid Gas
Painting, Varnishing, Spraying, Coating, Mixing	Solvent-Based - brush / roller applied	•	
	Solvent-Based - spray applied	Ask 3M	
	Water-Based - brush / roller / spray applied	•	
	Wood Preservatives	•	
	Powder Coating	•	
Sanding, Stripping, Grinding, Cutting, Drilling	Rust, most Metals, Filler, Concrete, Stone	•	
	Cement, Wood, Steel,	•	
	Paints, Varnish, Anti-rust coating	•	
	Stainless Steel, Anti-fouling varnish	•	
	Resins, Reinforced plastics (carbon / glass fibre)	•	
Construction / Maintenance	Scabbling, Shot-creting (concrete dust)	•	
	Plastering, Rendering, Cement mixing	•	
	Demolition	•	
	Groundwork, Earth moving, Piling, Underpinning	•	
	Spray foam, Loft Insulation	•	
Metal working / Foundries	Welding, Soldering	•	
	Electro-plating	•	•
	Finishing, Slotting, Drilling, Riveting, Machining	•	
	Oxyacetylene cutting	•	
	Molten metal handling, Smelting	•	
Cleaning / Waste Removal	Disinfection, Cleaning		•
	Waste removal	•	
	Asbestos handling	•	
	Asbestos removal	Ask 3M	
Allergens / Biohazards	Pollen, Animal dander	•	
	Mould / Fungus, Bacteria**, Viruses	•	
	**Tuberculosis	•	
	Diesel exhaust / Smoke	•	
Agriculture / Forestry	Handling infected animals, Culling	•	
	Feeding livestock, Cleaning sheds / harvesters	•	
	Straw chopping, Composting, Harvesting	•	
	Pesticides, Insecticides (crop spraying)	•	
Mining / Quarrying	Tunnelling, Drilling, Grinding, Excavation	•	
	Pumping, Dredging, Washing	•	
	Cutting, Sawing	•	
	Changing Filters	•	
Other Industrial Applications	Inks, Dyes, Solvents, Chemicals	•	
	Powdered Additives / Chemicals	•	
	Pharmaceuticals	•	
	Rubber / Plastics processing	•	
	Oil and Gas Extraction / Processing	•	•
	Pottery, Ceramics	•	
	Wood / Paper Mills	•	

This selection guide is only an outline designed to focus on products which may be appropriate for typical applications - it should not be used as the only means of selecting a product. Selection of the most appropriate personal protective equipment (PPE) will depend on the particular situation and should be made only by a competent person knowledgeable of the assessed risks, actual working conditions and limitations of PPE. Details regarding performance and limitations are set out on the product packaging and user information. If in doubt, contact a safety professional or 3M.

For respiratory training and advice please contact your local 3M representative.

Materials

The following materials are used in the production of the 3M™ Speciality Respirator 9936:

Component	Material
Straps	Thermoplastic Elastomer
Staples	Steel
Nose Clip	Aluminium
Filter	Polypropylene / Polyester / Carbon
Valve	Polypropylene
Valve diaphragm	Thermoplastic Elastomer
Faceseal	PVC

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

Maximum mass of products = 23g

Fitting Instructions

See Figure 1.

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 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.

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. (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.

Product Range



3M™ Speciality Respirator 9936

Storage and Transportation

The 3M™ Speciality Respirator 9936 has a shelf life of 3 years. End of shelf life is marked on the product packaging. 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. Do not store in direct sunlight.

Disposal

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

⚠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 contain components made from natural rubber latex.
- These products do not protect against gases/vapours, but offers relief from nuisance levels (i.e. levels below TLV) of certain gases/vapours. 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 re-usable devices: 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.
- Before initial use, always check that the product is within the stated shelf life (use by date).

*The 9936 is re-usable for particulate protection only and can be cleaned and used for more than one shift. See Cleaning instructions.

Cleaning Instructions

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 wipe.DO NOT immerse product in water.Store cleaned respirator in clean, airtight container.

Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

Personal Safety Division
EMEA Region
3M Centre,
Cain Road, Bracknell
Berkshire RG12 8HT
United Kingdom
Tel: +44 (0) 1344 858000
www.3M.eu/safety

3M is a trademark of 3M company.
Please recycle. © 3M 2013.
All rights reserved.
16936