

Technical
Data Sheet

3M™ 9922 Particulate Respirator

Main Features

The 3M 9922 provides lightweight, effective, comfortable and hygienic respiratory protection against dusts, mists and ozone. It also provides additional relief from low levels of organic vapours.

The convex shape, twin strap design, foam nose seal and aluminium nose clip ensures a good face seal over a range of face sizes. The 3M™ Cool Flow™ valve and collapse resistant shell offer both durable and comfortable protection particularly in hot and humid conditions. This respirator does not require costly and time consuming maintenance.

Approvals

The product has been shown to meet the Basic Safety Requirements under Articles 10 and 11B of the European Community Directive 89/686/EEC and is thus CE marked. The product was examined at the design stage by BSI Product Services, Maylands Avenue, Hemel Hempstead, Herts HP2 4SQ, England (Notified Body number 0086).

Materials

The following materials are used in the production of this product:

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

Weight: 13 g

Applications

- Iron Foundries
- Steel Foundries
- Ship Building/Ship Repairing
- Battery Manufacture
- Welding and Soldering
- Potteries
- Powdered Chemicals
- Metal Manufacture
- Paint Manufacture
- Construction

Standards

EN149:2001 and has met the requirements of category FFP2 under this standard.

The main performance tests in this standard are:

- Filter Penetration
- Flammability
- Breathing Resistance
- Performance

This product provides protection against solids, water based and non-volatile liquid aerosols and offers an Assigned Protection Factor of 10* (Nominal Protection Factor of 12); i.e., it can be used in atmospheres containing up to 10 times the Workplace Exposure Limit (WEL) of contaminant as specified in the Health & Safety Executive Guidance note EH40.
*As detailed in HSE publication HSG53.

Correct use

The respirator may be used in concentrations of solid, water based and non- volatile liquid based aerosols and ozone gas up to 10 times the Workplace Exposure Limit. It may also be used to remove the nuisance caused by organic vapours at levels below the Workplace Exposure Limit.

Fitting Instructions

Fitting instructions must be followed each time the respirator is worn.

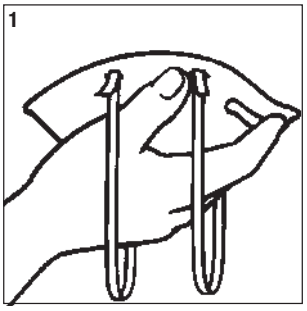
1. Cup the respirator in your hand with the nose clip at your fingertips, allowing the headbands to hang freely below your hand.
2. Position the respirator under your chin with the nose clip up.
3. Pull the top strap over your head resting it high on the crown of your head. Pull the bottom strap over your head and position it around the neck below the ears.
4. Place the fingertips of both hands at the top of the metal nose clip. Mould the nose clip to the shape of your nose by pushing inwards while moving your fingertips down both sides of the nose clip. Pinching the nose clip using only one hand may result in less effective respirator performance.
5. The seal of the respirator on the face should be fit-checked prior to wearing in the work area.

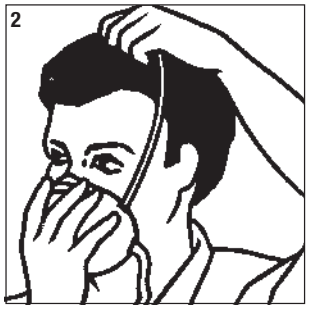
To check the fit of a valved respirator:

a) Cover the front of the respirator with both hands being careful not to disturb the position of the respirator.

b) Inhale sharply. If air flows around the nose, readjust the nose clip as described in step 4. If air leaks at the respirator edge work the straps along the sides of the head. Retest the seal. Repeat the procedure until the respirator is sealed properly. If you CANNOT achieve a proper fit DO NOT enter the contaminated area.

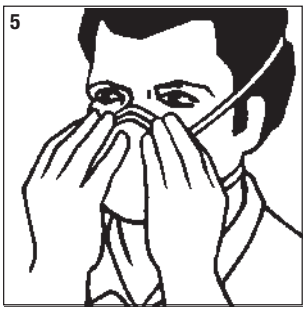
Note: do not use with beards or other facial hair that may inhibit contact between the face and the edge of the respirator











Warnings

1. As with the use of any respiratory protective device, the wearer must first be trained in the proper use of the product.
2. This product does not protect the wearer against gases or vapours from paint spraying operations in concentrations above WEL.
3. Use only in an adequately ventilated area containing sufficient oxygen to support life. Do not use in atmospheres containing less than 19.5% oxygen (3M definition).
4. Do not use when concentrations of contaminants are immediately dangerous to life or health.
5. Leave the area immediately if breathing becomes difficult or dizziness or other distress occurs
6. Discard and replace the respirator if it becomes damaged, breathing resistance becomes excessive or at the end of the shift.
7. Never alter or modify this device.
8. Failure to follow all instructions and warnings on the use of this respirator during all times of exposure can reduce the respirator effectiveness and may result in sickness or permanent disability

Fit Testing

In the UK wearers should be fit tested according to the requirements of the Control of Substances Hazardous to Health Regulations (COSHH).

Respiratory protection is only effective if it is correctly selected, fitted and worn throughout the time when the wearer is exposed to hazards. 3M offers advice on the selection of products and training in the correct fitting and usage.

For help with selecting the most appropriate forms of PPE and relevant Health and Safety legislation, or for more detailed product information, please contact the 3M Health and Safety Helpline on: **0870 60 800 60** (UK) or **1800 320 500** (Republic of Ireland).

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