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3M™ 9923V, P2 Particulate Respirator

Technical Data Sheet

Description

The 3M™ 9923V is a disposable specialty respirator with P2 rated filtration that offers protection from hazards such as coal dust, diesel particulate matter, other dusts, mists and fumes. The added carbon layer effectively reduces exposure to odours and unburned fuel vapours such as those from heavy machinery equipped with diesel engines.

- Provides protection against mechanically and thermally generated particulates
- Non-aluminium nose-clip specifically for use in intrinsically safe environments e.g. coal mines
- Activated carbon filter provides relief from nuisance levels* of organic vapours and odours
- 3M™ Cool Flow™ exhalation valve offers improved comfort in hot humid environments and/or where work is hard and physical
- Disposable and maintenance free
- 3M™ High performance Filter Media provides effective filtration of particles combines with low breathing resistance for consistent high performance
- Nose foam is soft on the wearer's skin
- Traditional cup design with robust shell that is resistant to collapse for durability

Materials

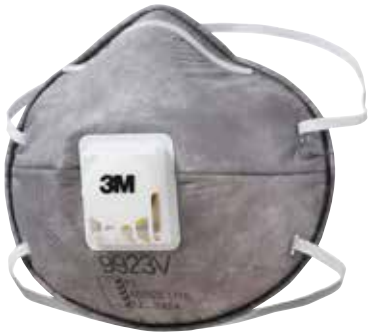
The following materials are used in the production of 3M™ 9923V respirator:

Head Straps	Polyester / Polyisoprene
Staples	Steel
Nose Foam	Polypropylene - ester
Nose Clip	Galvanised Steel
Filter	Polyester / Polypropylene / Carbon
Valve	Polypropylene
Valve Diaphragm	Polyisoprene

This respirator does not contain components made from natural rubber latex.

Maximum mass of respirator = 15g

* Nuisance levels are those levels below the Workplace Exposure



Standards

3M™ 9923V respirator meets the performance requirements of AS/NZS 1716:2012. Class P2 is the rating given to a respirator that meets AS/NZS 1716:2012 for filtering mechanically and thermally generated particles e.g. those from welding fume. Respirators with a class P2 rating are also recommended for use in certain applications against some pathogenic biological airborne particulates such as Influenza virus. A copy of AS/NZS 1716:2012 can be purchased from SAi Global.

Approvals

3M™ 9923V respirator has been produced to comply with the requirements of Australia/New Zealand Standard AS/NZS 1716:2012 under an agreed production certification scheme operated during manufacture in accordance with the SAi Global StandardsMark™ programme.

Applications

3M™ 9923V respirator is suitable for use in concentrations of solid and non-volatile liquid particles up to the following limit:

Model	AS/NZS 1716:2012 Classification	Exhalation Valve	Protection Factor x ES	Gas
9923V	Class P2	Valved	10	Organic Vapours (<ES)

ES = Exposure Standard

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

3M Personal Safety Division | 3M™ 9923V, P2 Particulate Respirator

3M™ 9923V respirator is suitable for the following suggested applications (but is not limited to):

- Mining - including underground coal mining and metalliferous
- Diesel particulate matter
- Work sites using machinery equipped with diesel fuel
- Workers exposed to odours and unburned fuel vapours
- Lead fumes
- Welding

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

Important

- Before use, the wearer must be trained in use of the complete product in accordance with AS/NZS 1715:2009 and other applicable Health and Safety standards/ guidance.
- 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 and limitations on the use of the respirator and/or failure to wear the respirator during all times of exposure can reduce respirator effectiveness and may result in sickness or death.
- For suitability and proper use follow local regulations and refer to all information supplied. For additional assistance, contact an Occupational Hygienist, Safety professional or 3M TechAssist Helpline.
- Do not use in atmospheres containing less than 19.5% oxygen, as the respirator does not supply oxygen. (3M definition - individual countries may apply their own limits on oxygen deficiency. Seek advice if in doubt.) Do not use for respirator protection against atmospheric contaminants/concentrations which are unknown or immediately dangerous to life and health (IDLH).

It is recommended that wearers be fit tested in accordance with AS/NZS 1715:2009 Standard. For information regarding fit testing procedures, please contact 3M.

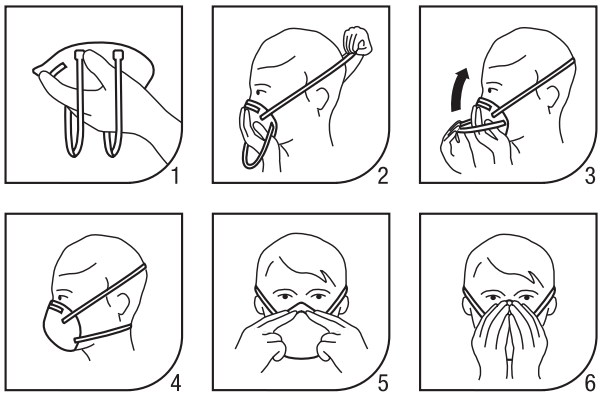
Fitting Instructions

Must be followed each time the respirator is worn. Before fitting device, ensure hands are clean.

See Figure 1 below.

1. Cup respirator in one hand with nosepiece at fi ngertips, 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 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 nose clip 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.

It is recommended that wearers be fit tested in accordance with AS/NZS 1715 Standard. 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.

- It is recommended that fit testing be conducted before assigning a respirator to an individual. If you cannot achieve a proper fit then do not enter contaminated area. See your supervisor.
- Inspect respirator before each use to ensure it is in good working condition. Examine all the respirator parts for signs of damage including the two straps, noseclip, nose foam and staples. The respirator should be disposed of immediately upon observation of damaged or missing parts. The respirator should be disposed of immediately upon observation of damaged or missing parts.
- Leave the contaminated area immediately and contact supervisor if dizziness, irritation or other distress occurs.
- Dispose of used product in accordance with applicable regulations.
- All respirators should be used in accordance with local regulations.
- Do not alter, repair, wash, and abuse or misuse the respirator.
- Do not use with beards or other facial hair or other conditions that prevent a good seal between the face and the sealing edge of the respirator.
- The respirator can help protect the wearer's lungs against certain airborne contaminants; however, it will not prevent entry through other routes such as the skin or eyes, which would require additional personal protective equipment (PPE).
- The respirator is designed for occupational/professional use by adults who are properly trained in their use and limitations. The respirator is not designed to be used by children.
- Individuals with a compromised respiratory system, such as asthma or emphysema, should consult a physician and complete a medical evaluation prior to use.
- Operating Temperature Range: -20 to +50 degrees Celsius. CAUTION: Care should be taken when using the Respirator at low temperature as excessive moisture may cause the valve to freeze.
- The filtration efficiency of the respirator may decrease in the presence of oily mists.
- This product does not contain components made from natural rubber latex .

Warning: Selection of the most appropriate respiratory protective equipment (RPE) will depend on the particular situation and should be made only by a competent person knowledgeable of the actual working conditions and the limitations of RPE. Details regarding performance and limitations are set out in this technical bulletin as well as on the respirator packaging and user instructions. Before using any respirator, the wearer must read and understand the user instructions for the product. Specific legislation must be observed. If in doubt, contact a safety professional or 3M.

Important Notice: To the extent permitted by law, 3M shall not be liable for any loss or damage including any loss of business, loss of profits, or for any indirect, special, incidental or consequential loss or damage arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the product for its 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.

3M

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