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3M™ 9105A Particulate Respirator, P2

Technical Data Sheet

Description

The 3M™ VFlex™ 9105A Particulate respirator provides effective respiratory protection for use in environments where workers will be exposed to airborne dust particles and non-volatile liquid particles.

- Unique v-shaped pleats flex with mouth movement when communicating and expands to help ease of breathing
- Side tabs that helps to position respirator on the wearer's face to achieve a secure fit
- Folded design offers convenient storage before use
- Embedded nose clip is concealed and is metal detectable
- Mould nose clip to wearer's nose shape for better seal and fit
- Even headband strap pressure improves comfort on the neck, face and head with a secure feel
- 3M™ Advanced Electret Filter Material gives effective filtration with low breathing resistance for consistent high quality performance

Materials

The following materials are used in the production of VFlex respirators:

Straps	Polyisoprene
Staples	Steel
Nose Clip	Aluminium
Filter	Polypropylene

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

Maximum mass of products = 10g

Standards

The VFlex respirator meets the requirements of Australian Standard AS/NZS 1716:2012 "Respiratory Protective Devices". They should be used to protect the wearer from solid and non-volatile liquid particles only. These respirators are classified by filtering efficiency and maximum total inward leakage performance (P1 and P2).

Class P1 filters are for use against mechanically generated particulates such as those generated from sanding, grinding, drilling and sweeping.

Class P2 filters are for use against both mechanically and thermally generated particulates e.g. Welding and brazing.

Class P2 filters may also help reduce exposure to pathogenic biological airborne particulates such as Influenza virus, but do not eliminate the risk of infection or disease.

Applications

This respirator is available in one sizes - to fit a broad range of faces .

Class P2 (unvalved): 9105A = standard size
Assigned Protection Factor - 10 (AS/NZS1715)

ES = Exposure Standard

The 9105A P2 respirator is suitable for the applications listed above and also following applications (but is not limited to):

- Burning wood
- Welding
- Soldering
- Oxy-cutting
- Allergens
- Certain biohazards

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™ VFlex™ 9105A Respirator has a shelf life of five (5) 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 + 30°C with a maximum relative humidity <80%. When storing or transporting this product use original packaging provided.

Disposal

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

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.

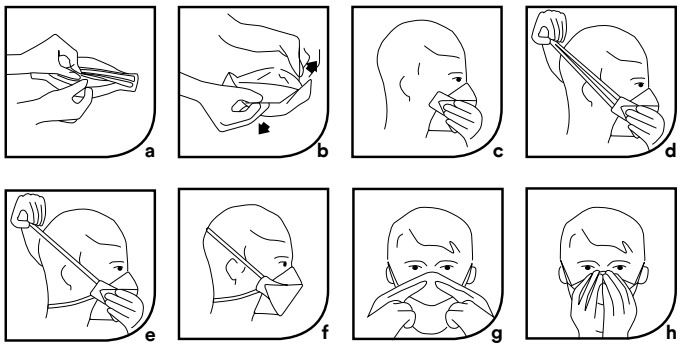
See Figure 1 below.

Select the most appropriate size from two (2) sizes (standard and small) of respirators and applicable to protection required - either Class P1 or P2.

Standard size (9102A or 9105A) is suggested for majority of wearers. Small size (9102AS or 9105AS) is suggested for wearers with small faces.

To help you wear this respirator correctly, it is marked with “Chin side only”. Before applying Fitting Instructions, locate marking “Chin side only” on the respirator.

Figure 1



1. Using both hands, place fingers on top side and thumbs on underside of nosepiece. Bend slightly downwards at centre of nosepiece (Fig. 1a).
2. With both straps held on the top panel, unfold respirator by pulling top panel (with nosepiece) up and bottom panel down so the respirator is open all the way (Fig. 1b).
3. Place opened respirator against your face with the bottom panel under your chin and the top panel with nosepiece across the bridge of your nose. Hold the respirator on your face with one hand. With your other hand pull the bottom panel securely under your chin (Fig. 1c).
4. Pull one strap over your head and position it around the neck and below your ears (Fig. 1d). Pull second strap over your head and position it high on the back of your head (Fig. 1e). Tabs on sides of respirator may be used to further adjust face-piece for a comfortable fit as necessary. Ensure facial hair, hair, jewellery and clothing are not between your face and the respirator as they will interfere with fit. Ensure respirator is completely opened and its edges lay flat against your face. Adjust for a comfortable fit by pulling bottom edge under chin while holding top edge on the nose (Fig. 1f).
5. Place fingertips of both hands at the top of the metal nosepiece. Mould the nosepiece to the shape of the nose bridge by pushing inwards while moving your fingertips down both sides of the nosepiece (Fig. 1g).
6. The respirator may not fit as well if you pinch the nose-clip using one hand so resulting in less effective respirator performance. Use two hands. Slide fingers down both sides of the nosepiece to seal it against your nose and face.
7. **POSITIVE PRESSURE FIT CHECK**

   The seal of the respirator on the face should be checked by the wearer prior to entering the work area. (Fig. 1h)

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

   b) Exhale sharply. If air leaks around the nose bridge, then re-adjust the nosepiece as described in Step 5.

   If air leaks around the respirator edges, work the straps back along the side of your head. If you cannot achieve proper fit, repeat Steps 1-7.

   c) If no leakage is detected then work may proceed.
8. If you CANNOT achieve a proper seal DO NOT enter the contaminated area. See your supervisor.

It is very important to press the nosepiece firmly to the nose bridge to form a good seal.

⚠ 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 an occupational hygienist, safety professional or 3M representative on the Tech Assist Helpline 3M Australia 1800 024 464, 3M New Zealand 0800 364 357.
- 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 all gases/vapours, but off er relief from nuisance levels (i.e. levels below ES) of certain gases/ vapours.
- 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.

Warning: Respirators must not be used until your employer has determined whether usage will be in accordance with manufacturer's instructions. The wearer must be trained in the proper fitting and use of this product. Failure to follow all instructions and warnings on the use of this product and/or failure to wear this respirator during all times of exposure can reduce respirator effectiveness and result in illness or death. All respirators should be used in accordance with Australian standard AS/NZS 1715. It is recommended that fit testing be conducted before assigning a respirator to an individual. If you cannot achieve a proper fit, do not enter contaminated areas. Do not use with beards or other facial hair or conditions that prevent a good seal between the face and the sealing surface of the respirator.

Important Notice: 3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profi ts, 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.

3M

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