

3M™ Disposable Respirator 8577 GP2

Technical Data Sheet

The 3M™ Disposable Respirator 8577 GP2 provides lightweight, comfortable respiratory protection against dusts, mists, fumes and smokes. It also provides additional relief from low vapour pressure organic vapours (eg agricultural chemicals) and nuisance levels of organic vapours.

Features

- GP2 rated filter to AS/NZS 1716:2011.
- Lightweight construction promotes greater comfort and contributes to increased wear time.
- The cupped shape, twin strap design and adjustable aluminium M shaped nose clip provides a custom fit with fewer pressure points and a secure face seal over a range of face sizes.
- Patented one-way valve offers easy exhalation and cooler, drier comfort.
- Braided headband for comfort and durability.
- For use against both mechanically generated particulates and thermally generated fumes & smokes and suitable for diesel emissions .
- “G” rated for low vapour pressure organic vapours—eg many agricultural chemicals .

Time Use Limitation

If the respirator becomes damaged, soiled or breathing becomes difficult, leave the contaminated area and replace and refit the respirator.

Specifications

- Weight: ~20g per respirator .
- Meets performance requirements of AS/NZS 1716:2012.

Applications

- Mining
- Agriculture
- Light Welding, Foundry work



Materials

The following materials are used in this product

Staples	Stainless Steel
Nose clip	Aluminium alloy 3003
	<i>Component</i> <i>Weight (%)</i>
	Al 96.7 - 99
	Cu 0.05 - 0.2
	Fe Max 0.7
	Mn 1 - 1.5
	Other, each Max 0.05
	Other, total Max 0.15
	Si Max 0.6
	Zn Max 0.1
Straps	Polyisoprene
Filter	Polypropylene and carbon
Valve	Polypropylene and Polyisoprene

Latex and fibreglass free

Packaging	Product Code	3M Order Code
10 Respirator/box, 10 boxes/case	8577	70070757946

*Nuisance levels are exposure levels below the relevant national exposure standards.

Fitting Instructions

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

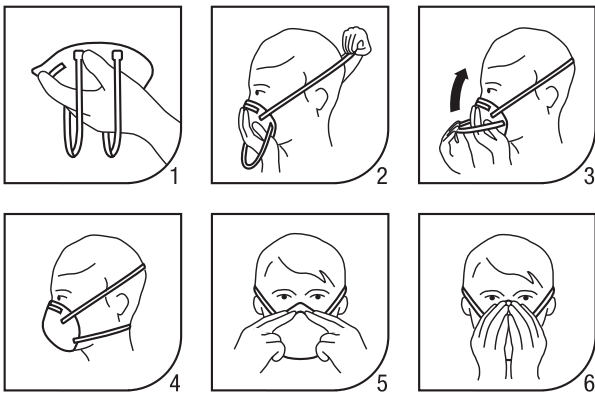
See Figure 1 below.

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 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 1715:2009 Standard. For information regarding fit testing procedures, please contact 3M.

Warning

Respirators must not be used until your employer has determined whether usage will be in accordance with manufacturers 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

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. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.



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⚠ 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 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 its 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.
 - Maximum Operating Temperature: +50 degrees Celsius.
 - The filtration efficiency of the respirator may decrease in the presence of oily mists.

Storage and Transportation

Shelf life of the unopened product is three (3) years from date of manufacture when stored within temperature range of -20°C to +25°C and at less than 80% relative humidity. End of shelf life date is marked on the product packaging. Before initial use, always check that the product is within the stated shelf life. When storing or transporting this product use original packaging provided.