

3M™ Maintenance-Free Reusable Half Face Respirator 4000+ Series

Technical Data Sheet



Product description

The 3M™ Maintenance-Free Reusable Half Face Respirator 4000+ Series are a range of ready-to-use, maintenance-free half face respirator, designed for effective and comfortable protection against many gases, vapours and combination particulate hazards.

Key features

- Disposable, maintenance-free half face respirator
- Twin inhalation valves and large, bonded carbon filters with permanently attached particulate filters
- Easy to use as no need for assembly, maintenance or record keeping

Product range and intended use

The 3M™ Maintenance-Free Reusable Half Face Respirator 4000+ Series come in a variety of different product options:

- 3M™ 4251+ (A1P2) provides protection against organic vapours (good warning properties and b.pt. > 65°C), up to 10x Workplace Exposure Standard(WES)/ Workplace Exposure Limit (WEL) or 1000 parts per million (ppm), whichever is lower, and 10x WES/WEL for mechanically and thermally generated particulates.
- 3M™ 4255+ (A2P2) provides protection against organic vapours (good warning properties and b.pt. > 65°C), up to 10x WES/WEL or 1000 ppm, whichever is lower and 10x WES/WEL for mechanically and thermally generated particulates.
- 3M™ 4277+ (A1B1E1P2) provides protection against organic vapours (good warning properties and b.pt. > 65°C), inorganic and acid gases up to 10x WES/WEL or 1000 ppm, whichever is lower and 10x WES/WEL for mechanically and thermally generated particulates.
- 3M™ 4279+ (A1B1E1K1P2) provides protection against organic vapours (good warning properties and b.pt. > 65°C), inorganic and acid gases and ammonia, up to 10x WES/WEL or 1000 ppm, whichever is lower and 10x WES/WEL for mechanically and thermally generated particulates.



4251+



4255+



4277+



4279+

4251+, 4255+ & 4279+ available in Australia only

Standards and approval

The 3M™ Maintenance-Free Reusable Half Face Respirator 4000+ Series meet the performance requirements of the Australian/New Zealand Standard AS/NZS 1716:2012 for valved filtering half-face respirators for gases, vapours and particulate combinations.

Materials

Component	Material
Face piece	Thermoplastic elastomer
Head harness	Polyphenylene ether/polystyrene
Head strap	Polyisoprene/cotton
Inhalation valve	Polyisoprene
Exhalation valve	Silicone rubber
Gas and vapour filter body	Activated carbon
Particulate filter element	Polypropylene

Materials from animal origin are not intentionally added to these products

Key use limitation

1. This respirator does not supply oxygen. Do not use in atmospheres containing less than 19.5% oxygen**.
2. Do not use for respiratory protection against atmospheric contaminants that have poor warning properties or are unknown or immediately dangerous to life and health (IDLH) or against contaminants which generate high heats of reaction with chemical filters.
3. Do not misuse, alter, modify or repair this product.
4. Do not use with beards or other facial hair that prevent direct contact between face and edge of the respirator.
5. Do not use with unknown concentrations of contaminants.
6. Leave the work area immediately and check the integrity of the respirator and replace respirator if:
 - a. Damage has occurred or is apparent.
 - b. Breathing becomes difficult or increased breathing resistance occurs.
 - c. Dizziness or other distress occurs.
 - d. You taste or smell the contaminant or an irritation occurs.
7. Use strictly in accordance with respirator and filter user instruction leaflet.

For full use limitations please refer to the product user instructions.

Shelf life

Shelf life*: 3 years from production date when stored at storage conditions described on packaging.

The importance of fit

Respiratory protection is only effective if it is correctly selected, fitted and worn throughout the time that the wearer is exposed to respiratory contaminants. It is recommended that a face fit check is performed before entering the workplace. Fitting instructions must be followed each time the respirator is worn.



Step 1: Assemble/adjust head cradle by feeding the perforated strip through the buckle and pressing down on the stud at the required length. Repeat for second strip. Place the respirator over the face, fitting it comfortably on bridge of the nose, then pull the head harness over the crown of the head.



Step 2: If necessary remove the respirator and readjust the head cradle to a comfortable fit and repeat step 1.

Step 3: Take a bottom strap in each hand, place them at the back of the neck and hook the straps together.



Step 4: Tighten the top strap first by pulling on the ends to achieve a comfortable and secure fit.



Step 5: Tighten bottom straps in a similar manner. Strap tension may be decreased by pushing out on back side of buckles.



Step 6: Perform a positive and/or negative pressure fit check each time the respirator is donned.

Positive pressure face fit check:

1. Place the palm of the hand over the exhalation valve cover and exhale gently.
2. If the respirator bulges slightly and no air leakage between the face and the respirator is detected, a proper fit has been achieved. If air leakage is detected, reposition the respirator on the face and/or readjust the tension of the straps to eliminate the leakage. Repeat the above face fit check.

If you cannot achieve a proper fit, do not enter the contaminated area and see your supervisor.

Warning

Beards and other facial hair in the sealing area of the facepiece can cause leaks and reduce the protection for the wearer. Always ensure the facepiece forms a tight seal prior to entering a hazardous atmosphere. This can be controlled by performing a negative and/or positive face fit check. Do not use with beards or other facial hair that prevent direct contact between face and edge of the respirator

Ordering Information

SAP ID	Legacy ID	Availability		Model #	Description
		AUS	NZ		
7100113098	UU008107219	•		4251+	3M™ Maintenance Free Half Face Respirator 4251+, A1P2, 1/Bag
7100113101	UU008107474	•		4255+	3M™ Maintenance Free Half Face Respirator 4255+, A2P2, 1/Bag
7100113102	UU008107490	•	•	4277+	3M™ Maintenance Free Half Face Respirator 4277+, A1B1E1P2, 1/Bag
7100113103	UU008107508	•		4279+	3M™ Maintenance Free Half Face Respirator 4279+, A1B1E1K1P2, 1/Bag

Important Notice

The use of the 3M product, described within this document assumes that the user has previous experience of this type of product and that it will be used by a competent professional. Before any use of this product, it is recommended to complete some trials to validate the performance of the product within its expected application.

All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environments. Any action or usage of this product made in violation of this document is at the risk of the user.

Compliance to the information and specification relative to the 3M product contained within this document does not exempt the user from compliance with additional guidelines (safety rules, procedures). Compliance to operational requirements especially in respect to the environment and usage of tools with this product must be observed. The 3M group (which cannot verify or control those elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control.

Warranty conditions for 3M products are determined with the sales contract documents and with the mandatory and applicable clause, excluding any other warranty or compensation.

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

For more information on 3M products and services please call the 3M Customer Service Australia 1300 363 565 3msupport.safety.au@mmm.com New Zealand 080252 627 3msupport.safety.nz@mmm.com.

*The shelf life as defined above remains indicative and maximum data, subject to many external and non-controllable factors. It may never be interpreted as a warranty.

** 3M definition minimum 19.5% by volume oxygen. Individual countries or organisations may apply their own limits on oxygen deficiency. Seek advice if in doubt

SCAN OR CLICK FOR:



QR-CAT-RR

**Reusable
Respirator
Catalogue Section**



QR-CAT-FULL

**Full Personal
Safety Division
Catalogue**



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