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3M™ Maintenance-Free Reusable Half Mask 4000+ Series

Technical datasheet

Product description

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

Key features

- Disposable, maintenance-free half mask
- 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
- Optional overspray guard (400+)

Product range and intended use

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

- 3M™ 4251+ (FFA1P2 R D) provides protection against organic vapours (good warning properties and b.pt. > 65°C), up to 10x Workplace Exposure Limit (WEL) or 1000 parts per million (ppm), whichever is lower, and 10x WEL for particulates
- 3M™ 4255+ (FFA2P3 R D) provides protection against organic vapours (good warning properties and b.pt. > 65°C), up to 10x WEL or 5000 ppm, whichever is lower and 20 x WEL for particulates
- 3M™ 4277+ (FFABE1P3 R D) provides protection against organic vapours (good warning properties and b.pt. > 65°C), inorganic and acid gases up to 10x WEL or 1000 ppm, whichever is lower and 20x WEL for particulates
- 3M™ 4279+ (FFABEK1P3 R D) provides protection against organic vapours (good warning properties and b.pt. > 65°C), inorganic and acid gases and ammonia, up to 10x WEL or 1000 ppm, whichever is lower and 20x WEL for particulates



Pictured: 3M™ 4251+ (FFA1P2 R D)

Standards and approval

The 3M™ Maintenance-Free Reusable Half Mask 4000+ Series meet the performance requirements of the European Standard EN 405:2001+A1:2009 for valved filtering half-mask respirators for gases, vapours and particulate combinations.

The Certificate and Declaration of Conformity available at the following website www.3m.com\Respiratory\certs Declaration of conformity (DOC) available from www.3m.com\Respiratory\certs

Materials

Component	Material
Facemask	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 face mask 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 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.

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 when the wearer is exposed to respiratory contaminants. 3M offers advice on the selection of products, and training in the correct fitting and usage.

For more information on 3M products and services please contact 3M.

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