Technical Datasheet

3M™ Reusable Half Mask 3000 Series

Main Features

The 3M 3000 Series Respirator is a versatile solution engineered to protect workers in a wide range of industries. Its lightweight, compact design can be used with filters, providing the user with chemical and/or particulate protection. The facepiece is made of a synthetic elastomer for a soft, comfortable and secure fit. It's an ideal elastomeric respirator for workers seeking comfort and protection at an affordable price.

The main features are:-

- Compact Design: Lightweight, low-profile, single-filter format allows for a broader field of view.
- Versatile Protection: Respirator can be used with a variety of filters for organic vapour protection, as well as filters for particulate protection.
- Comfort: Soft, elastomeric facepiece provides comfort with a secure fit.
- Two Sizes Available: Small/medium (3100) and medium/large (3200) - designed to fit a variety of face shapes and sizes.
- Snap-on Filters: Attach and detach filters in just one step.

Applications

The 3M 3000 Series Respirators can be used with a variety of different filter options:

Gas and Vapour Filters only: The filters protect against organic vapours with boiling points >65°C. The filter fits directly onto the respirator.

Particulate filters only: These filters provide protection against mechanically and thermally generated solid and non-volatile liquid particles. The filters fit onto the respirator using the 3M™ Filter Holder 3700.

Combination of Gas & Vapour and Particulate filters:

- The 3M™ Combination Filter 3391 has Particulate filter media integrated with the Gas and Vapour filter.
- The 3M™ Organic Vapour Filter 3351 can be combined with a 3M™ Particulate Preflter 7725, using the 3M™ Filter Retainer 774 to provide a combination of gas, vapour and particulate protection.

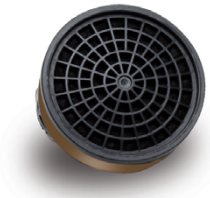
Standards

These products have been tested to the relevant Australian/ New Zealand and European Standards:

- 3M 3000 Series Respirators to AS/NZS 1716:2003, EN140: 1998.
- 3M 3000 Series Gas and Vapour filters and 7725 pre filter to AS/NZS 1716:2003, EN14387:2004 + A1:2008
- 3M 3000 Series Particulate filters to AS/NZS 1716:2003, EN143: 2000 + A1:2006.

3M™ 3000 Series Respirator Range

Filter table

Filter	Image	Standard	Class	Hazard	Suggested Industry Examples
3725*		AS/NZS 1716:2003	P2	Mechanically & Thermally generated particulates	- Pharmaceutical / Powdered Chemicals - Construction / Quarrying - Ceramics / Refractory materials - Agriculture - Woodworking - Food Industry
3728*		AS/NZS 1716:2003	P2	Mechanically & Thermally generated particulates, & nuisance levels*** of Organic Vapours & Acid Gases	As for 3725 but also - Welding - Paper Industry - Brewing - Chemical Processing - Foundries - Inks and Dyes
3351		AS/NZS 1716:2003	A1	Organic Vapours (b. pt. > 65°C)	- Anywhere conventional paints are used (non-isocyanates, subject to usage conditions) - Vehicle manufacture - Aircraft manufacture and refurbishment - Boat Building - Ink and dye manufacture and use - Adhesive manufacture and use - Paint and varnish manufacture - Resin manufacture and use
3391		AS/NZS 1716:2003	A1 P2	Organic Vapours (b. pt. > 65°C) & Mechanically & Thermally generated particulates	As for 3351 but also - Shoe treatment and tanneries - Domestic appliance manufacture - Machinery manufacture - Chemical manufacture and handling - Agriculture Where both organic vapours and particulate hazards are present
7725**		AS/NZS 1716:2003	P2	Mechanically & Thermally generated particulates	When used with 3351, applications are the same as 3391, but ideal for situations where the particulate filter needs to be changed at a different interval to the organic vapour filter.

* The 3M 3725 and 3728 Filters require a 3M 3700 Filter Holder for use.
** The 3M 7725 can only be used in conjunction with the 3M 3351.
*** Nuisance levels are those below relevant Exposure Standards

Approvals

These products meet the requirements of the European Community Directive 89/686/EEC (Personal Protective Equipment Directive) and are thus CE marked.
Certification under Article 10, EC Type-Examination, has been issued for these products by INSPEC International Limited, 56 Leslie Hough Way, Salford, Greater Manchester M6 6AJ, UK (Notified Body number 0194). Certification under Article 11, EC quality control, has been issued by BSI Product Services (Notified Body number 0086)

Correct Usage

When the 3M 3000 Series Respirator is fitted with Gas & Vapour Filters: it may be used in concentrations of Organic Vapours (b.pt. > 65°C) up to 10 x the Exposure Standard (ES) or 1000ppm whichever value is lower.
When the 3M 3000 Series respirator is fitted with Particulate Filters: it may be used in concentrations of particulates up to 10 x ES.
When the 3M 3000 Series respirator is fitted with Combination Filters: it may be used in concentrations up to 10 x ES.

Cleaning and Storage

Cleaning is recommended after each use.

1. Disassemble by removing the filters, head straps and other parts.
2. Clean and sanitise the mask (excluding filters) using 3M™ Respirator Cleaning Wipes 504 or immersing in warm cleaning solution and scrubbing with a soft brush until clean. Parts may also be cleaned in a suitable domestic washer - contact 3M.
3. Disinfect respirator by soaking in a solution of quaternary ammonium disinfectant or sodium hypochlorite (30ml household bleach in 7.5l of water) or other disinfectant.
4. Rinse in fresh, warm water and air-dry in non contaminated atmospheres.

⚠ Water temperature should not exceed 50°C.
⚠ Do not use cleaning agents that contain lanolin or other oils.
⚠ Do not autoclave.

Use Limitations

1. These respirators do not supply oxygen. Do not use in oxygen deficient areas*.
2. Do not use for respiratory protection against atmospheric contaminants, which have poor warning properties, are unknown or immediately dangerous to life and health, or against chemicals, which generate high heats of reaction with chemical filters.
3. Do not modify or alter this device.
4. The assembled respirator may not provide a satisfactory face seal with certain physical characteristics (such as beards or large side burns) resulting in leakage between the respirator and the face. The user assumes all risks of bodily injury, which may possibly result.
5. Do not use with unknown concentrations of contaminants.
6. Do not use for escape purposes.
7. Leave the work area immediately and check the integrity of the respirator and replace respirator and / or filters if:

    - Damage has occurred or is apparent.
    - Breathing becomes difficult or increased breathing resistance occurs.
    - Dizziness or other distress occurs.
    - You taste or smell the contaminant or an irritation occurs.

8. Store this device in a sealed container away from contaminated areas when not in use.
9. Use strictly in accordance with respirator and filter user instruction leaflet.
10. Only for use by trained, competent personnel.
11. Never modify or alter this product. Replace parts only with original 3M spare part.
12. In case of intended use in explosive atmospheres, contact 3M.

*** 3M definition minimum 19.5% by volume oxygen**

Materials

Part	Material
Face Masks	Thermoplastic Rubber
Head Harness	Polyethylene
Head Strap	Cotton/Polyester/Polyisoprene
Exhalation Valve	Silicone Rubber
Inhalation Valve	Polyisoprene Rubber
3351/3391 Filter body	Polypropylene
3351/3391 Filter element	Activated Carbon
3725/3728 Filter material	Polypropylene

Fitting Instructions

Before assigning any respirator to be worn in a contaminated area, we recommend that a qualitative or quantitative fit check be performed before entering the workplace. Fitting instructions must be followed each time the respirator is worn.

After first fitting the filter(s):

1. Place the respirator over the nose and mouth, fitting it comfortably on the bridge of the nose.
2. Pull the head harness over the crown of the head.
3. Take a bottom strap in each hand, place the straps at the back of the neck and hook the straps together.
4. Tighten straps by pulling on ends to achieve a comfortable and secure fit.

Fit Check

Perform a Negative Pressure Fit Check each time the respirator is donned.
Place palm of hand over the circular opening of the cartridge/grill on the front of the particulate filter holder, inhale gently.
If the face piece collapses slightly a proper fit has been achieved.

⚠ 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 call the 3M Tech Assist Helpline, 3M Australia 1800 024 464, 3M New Zealand 0800 364 357.

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01/10