

# 3M™ Full Facepiece Reusable Respirator, 6000 Series

## Technical Data Sheet



6700 Small



6800 Medium



6900 Large

### Main Features

The 3M™ 6000 Series Full Facepieces are proven to be simple to handle and comfortable to the wearer. The exhalation port provides increased durability, easy cleaning and reduced breathing resistance which helps to increase your comfort. Available in three sizes, all facepieces have the 3M bayonet connection system allowing connection to a broad range of twin lightweight filters to protect against gases, vapours and particulates depending on your individual needs.

#### The main features include:

- Reusable, low maintenance respirator.
- Lightweight, well-balanced with soft silicone nose cup ensures comfort during long periods of work.
- Flexible System (gas & vapour and / or particulate filters plus Supplied-Air option).
- Twin filter design provides lower breathing resistance, a more balanced fit, and improves field of vision.
- Safe, secure bayonet filter attachment system.
- Wide field of vision with a scratch and chemical resistant polycarbonate lens.
- Easy and secure fitting.
- 3 sizes (small - 6700, medium – 6800, large - 6900)
- Spectacle kit available.
- Face piece weight: 400 grams.

### Applications

The 6000 Series Respirators can be used with a variety of different filter options:

**Gas and Vapour Filters only:** The filters generally protect against either single or multiple contaminant type(s).

- The **3M™ Gas and Vapour Filters 6000 Series** filters fit directly onto the respirator.

**Particulate filters only:** These filters provide protection against solid and non-volatile liquid particles.

- The **3M™ Particulate Disc Filters 2000 series** fit directly onto the respirator.
- The 6035 & 6038 are encapsulated P3 filters, which fit directly onto the respirator.

#### Combination of Gas & Vapour and Particulate filters:






- The 3M™ Particle Filters 5000 Series can be used with 6000 Series Gas and Vapour filters using 501 retainers excluding the 6035, 6038, 6096, 6098 and 6099.
- The 6096, 6098 and 6099 have Particulate filter media integrated with the Gas and Vapour cartridge.
- The 6038 is an encapsulated particulate filter with a layer of carbon for low capacity gas protection.



## Gas and Vapour Filters:

| Filter             | Image | Standard                                 | Class                | Hazard   |
|--------------------|-------|--|----------------------|--|
| 6051<br>or<br>6055 |       | AS/NZS<br>1716:2012                      | A1<br>A2             | Organic Vapours (b.pt. > 65°C)   |
| 6054               |       | AS/NZS<br>1716:2012                      | K1                   | Ammonia & derivatives  |
| 6057               |       | AS/NZS<br>1716:2012                      | ABE1                 | Combination organic vapours (b. pt. > 65°C),<br>inorganic & acid gases   |
| 6059               |       | AS/NZS<br>1716:2012                      | ABEK1                | Combination organic vapours (b. pt. > 65° C),<br>inorganic & acid gases & Ammonia  |
| 6075               |       | AS/NZS<br>1716:2012                      | A1 +<br>Formaldehyde | Organic Vapours (b. pt. > 65°C) & Formaldehyde   |
| 6096               |       | AS/NZS<br>1716:2012                      | A1E1HgP3             | Organic Vapours (b.pt. > 65°C) Mercury vapour,<br>Chlorine & Particulates  |
| 6098               |       | AS/NZS<br>1716:2012                      | AXP3                 | Low boiling point Organic Vapours (b.pt. < 65°C) &<br>Particulates   |
| 6099               |       | AS/NZS<br>1716:2012                      | A2B2E2K2HgP3+Form    | Organic Vapours (b.pt. > 65°C), Inorganic Gases, Acid<br>Gases, Ammonia & Particulates.  |
| 60926              |       | Performance<br>tested to AS/<br>NZS 1716 | A1B1E1K1 Form/HF P3* | Organic Vapours (b. pt. > 65°C), Inorganice Gases,<br>Phosphine, Mercury vapour, Chlorine, formaldehyde,<br>Hydrogen Flouride & Particulates |

## Particulate Filters:

| Filter       | Image  | Standard            | Class      | Hazard   |
|--------------|--|---------------------|------------|--|
| 5925<br>5935 |   | AS/NZS<br>1716:2012 | P2<br>P3   | Provides protection against dusts, mists and fumes – all particulates<br>Note: requires 501 retainer to attach to 6000 gas/vapour cartridges |
| 2125<br>2135 |   | AS/NZS<br>1716:2012 | P2<br>P3   | Provides protection against dusts, mists and fumes – all particulates  |
| 2128<br>2138 |   | AS/NZS<br>1716:2012 | GP2<br>GP3 | Particulates, Low vapour pressure (<1.3Pa @25 degrees Celsius) organic compounds, Ozone & nuisance levels of Organic Vapours & Acid Gases    |
| 6035         |   | AS/NZS<br>1716:2012 | P3         | Particulates   |
| 6038         |  | AS/NZS<br>1716:2012 | P3HF       | Particulates, Hydrogen Fluoride at 30ppm, Nuisance levels of Organic Vapours & Acid Gases  |

## Approvals

These respirators have been produced to comply with the requirements of the Australian /New Zealand Standard AS/NZS 1716:2012 under an agreed production certification scheme operated during manufacture in accordance with the SAI Global Standards Mark programme.

## Standards

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

- 6000 Series Full Facepieces to AS/NZS 1337:2010 High Impact and protection from hot solids.
- 6000 Series Gas and Vapour filters to AS/NZS 1716:2012.
- 2000 and 5000 Series and 6035, 6038 Particulate filters to AS/NZS 1716:2012.

## Correct Usage

When the 6000 Series Full Facepieces is fitted with Gas & Vapour Filters:

- 6000 Series gas and vapour filters may be used in concentrations of gases or vapours (types specified by 3M) up to 50x the Workplace Exposure Standard(WES)/ Workplace Exposure Limit (WEL) or 1000ppm (100x WES or 5000ppm for 6055 and 6099) whichever value is lower.
- 6075 offers protection against organic vapour (as above) and 10ppm formaldehyde only.
- 6098 filters please see Instructions for Use or contact 3M for further information.

- 6000 Series gas and vapour filters should not be used to protect the wearer against a gas or vapour that has poor warning properties (smell or taste).

When the 6000 Series Full Facepiece is fitted with Particulate Filters:

- 5925, 2125 or 2128 filters may be used in concentrations of particulates up to 50x WES/WEL.
- 5935, 2135, 2138 or 6035, 6038 may be used in concentrations of particulates up to 100x WES/WEL.
- 2128 and 2138 filters may be used to protect against ozone up to 10x WES/WEL and offers relief from acid gases and organic vapours at levels below the WES/WEL.
- 6038 offers protection against 30ppm Hydrogen Fluoride and offers relief from ozone, acid-gases and organic vapours at levels below the WES/WEL.

## Cleaning and Storage

- Cleaning is recommended after each use.
- Disassemble by removing the filters, head straps and other parts.
- Clean and sanitise the facepiece (excluding filters) using 3M™ 504 Cleaning Wipes or immersing in warm cleaning solution (<50°C) and scrubbing with a soft brush until clean. Parts may also be cleaned in a domestic washer.
- Disinfect respirator by soaking in a solution of quaternary ammonium disinfectant or sodium hypochlorite (30 ML household bleach in 7.5L of water) or other disinfectant.
- 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.**

## Maintenance

The 6000 Series Full Facepieces must be inspected before each use to ensure it is in proper operating condition. Any damaged or defective part must be replaced before use.

The following procedure is suggested.

1. Check the face facepiece for cracks, tears and dirt. Examine the inhalation valves for signs of distortion, cracking or tearing.
2. Check that the head straps are intact and have good elasticity.
3. Examine all plastic parts and gaskets for signs of cracking or fatigue and replace if necessary.
4. Remove the exhalation valve cover and examine the exhalation valve and seat for sign of dirt, distortion, cracking, or tearing. Replace the valve if necessary. Secure the valve cover prior to use.

## Use Limitations

1. These respirators do not supply oxygen. Do not use in oxygen deficient areas.\*
2. Do not use for respiratory protection against contaminants with poor warning properties, are unknown or immediately dangerous to life and health (IDLH) or 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 the face and the edge of the respirator.
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.

\* 3M definition minimum 19.5% by volume oxygen

## Fitting Instructions

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

1. Fully loosen all four head straps, and then place the harness at back of head and position respirator over the face.
2. Pull the ends of the four straps to adjust tightness, starting with the neck straps first, then the forehead straps.



⚠ Do not over tighten the head straps.



## Fit Check

Perform a positive and/or negative pressure fit check each time the respirator is worn.

### 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.
3. If air leakage is detected, reposition the respirator on the face and/or re-adjust the tension of the strap to eliminate the leakage.
4. Repeat the above face fit check.
5. If you cannot achieve a proper fit, do not enter the contaminated area. See your supervisor.



### Negative pressure face fit check (3M™ 6035, 6038 / 2000 Series Filters)

1. Push the filter cover down (6035, 6038) or press your thumbs into the central indentation of the filters (2000 series), inhale gently and hold your breath for five or ten seconds.
2. If the respirator collapses slightly, a proper fit has been achieved.
3. If air leakage is detected, reposition the respirator on the face and/or re-adjust the tension of the straps to eliminate the leakage.
4. Repeat the above face fit check.
5. If you cannot achieve a proper fit, do not enter the contaminated area. See your supervisor.



## Materials

| Part                               | Material                   |
|------------------------------------|----------------------------|
| Facepiece                          | Silicone                   |
| Head Harness                       | Polyethylene               |
| Inhalation Valve                   | Polyisoprene               |
| Exhalation Valve                   | Silicone                   |
| Gasket                             | Silicone                   |
| 6000 Filter Body                   | Polystyrene                |
| 6000 Filter Element                | Activated / Treated Carbon |
| 5000 / 2000 Series Filter material | Polypropylene              |
| Lens                               | Polycarbonate              |

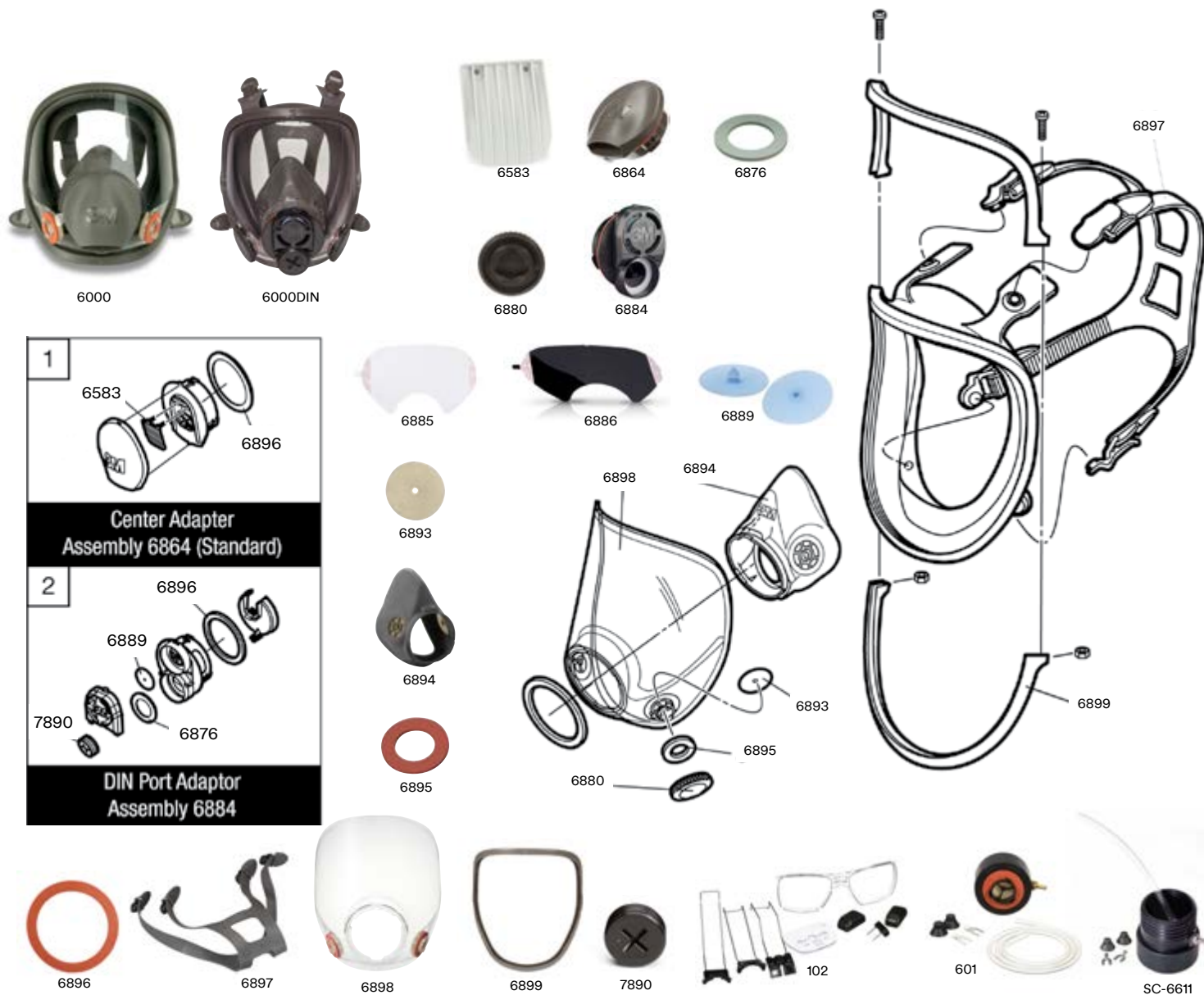
## Ordering Information

| SAP ID     | Legacy ID                            | Availability |    | Model # | Description  |
|------------|--------------------------------------|--------------|----|---------|--|
|            |                                      | AUS          | NZ |         |  |
| 7100015974 | 70070709046 (AU)<br>XA007708234 (NZ) | •            | •  | 6700    | 3M™ Reusable Full Face Mask 6700, Small, 1 ea/Box, 4 Boxes/Case  |
| 7100015051 | 70070709053 (AU)<br>XA007708242 (NZ) | •            | •  | 6800    | 3M™ Reusable Full Face Mask 6800, Medium, 1 ea/Box, 4 Boxes/Case |
| 7100015052 | 70070709186 (AU)<br>XA007708259 (NZ) | •            | •  | 6900    | 3M™ Reusable Full Face Mask 6900, Large, 1 ea/Box, 4 Boxes/Case  |



## Kits

| SAP ID     | Legacy ID   | Availability |    | Model # | Description   |
|------------|-------------|--------------|----|---------|---|
|            |             | AUS          | NZ |         |   |
| 7012870547 | AT010614199 | •            | •  | 6835 S  | 3M™ Asbestos/Dust Respirator Kit 6835, P3, Small, 1 Kit/Case        |
| 7012891426 | AT010614207 | •            | •  | 6835 M  | 3M™ Asbestos/Dust Respirator Kit 6835, P3, Medium, 1 Kit/Case       |
| 7012886094 | AT010614215 | •            | •  | 6835 L  | 3M™ Asbestos/Dust Respirator Kit 6835, P3, Large, 1 Kit/Case        |
| 7012867399 | AT010614173 | •            | •  | 6851 M  | 3M™ Spraying/Painting Respirator Kit 6851, A1P2. Medium, 1 Kit/Case |
| 7012883387 | AT010614181 | •            | •  | 6851 L  | 3M™ Spraying/Painting Respirator Kit 6851, A1P2, Large, 1 Kit/Case  |



### 3M™ Reusable Respirator Full Face 6000 & 6000DIN Accessories

| SAP ID     | Legacy ID                            | Availability |    | Model # | Description  |
|------------|--------------------------------------|--------------|----|---------|--|
|            |                                      | AUS          | NZ |         |  |
| 7100018862 | 70071668183                          | •            | •  | 6583    | 3M™ Rugged Comfort Exhalation Valve 6583, 10/Case  |
| 7000002178 | AT019223471                          | •            |    | 6864    | 3M™ Centre Adapter Assembly 6864, Respiratory Protection                                       |
| 7000126403 | 70070890176                          | •            |    | 6876    | 3M™ Breathing Tube Gasket 6876, 5 EA/Case  |
| 7100006233 | 70070757375                          | •            | •  | 6880    | 3M™ Bayonet Cap 6880, 10 ea/Bag  |
| 7000002032 | AT019166936 (AU)<br>70070709087 (NZ) | •            | •  | 6884    | 3M™ DIN Port Adapter Assembly 6884   |
| 7100138628 | 70070709103                          | •            | •  | 6885    | 3M™ Faceshield Cover 6885, 100 ea/Bag  |
| 7000052088 | AT019223489 (AU)<br>70070799419 (NZ) | •            | •  | 6886    | 3M™ Tinted Lens Cover 6886 , Respiratory Protection Accessory                                  |
| 7000002057 | 70070757656                          | •            | •  | 6889    | 3M™ Exhalation Valve 6889, 10 ea/Bag   |
| 7000002049 | 70070710986                          | •            | •  | 6893    | 3M™ Inhalation Valve 6893, System Component 200 EA/Case  |
| 7000002034 | AT019167421 (AU)<br>70070709145 (NZ) | •            | •  | 6894    | 3M™ Nose Cup Assembly 6894, Respiratory Protection Replacement Part                            |
| 7000002050 | 70070710994                          | •            | •  | 6895    | 3M™ Reusable Respirator Gasket 6895, for 3M™ Reusable Full Face Mask 6000 Series, 4 Packs/Case |
| 7000052122 | 70070847051                          | •            | •  | 6896    | 3M™ Center Adapter Gasket 6896, 20 EA/Case   |
| 7000002035 | AT019167439 (AU)<br>70070709152 (NZ) | •            | •  | 6897    | 3M™ Head Harness 6897, Respiratory Protection Replacement Part, 5 ea/Case                      |

| SAP ID     | Legacy ID                            | Availability |    | Model # | Description   |
|------------|--------------------------------------|--------------|----|---------|---|
|            |                                      | AUS          | NZ |         |   |
| 7000002036 | AT019167447 (AU)<br>70070709160 (NZ) | •            | •  | 6898    | 3M™ Lens Assembly 6898, Respiratory Protection Replacement Part |
| 7100001832 | 70070709178                          | •            | •  | 6899    | 3M™ Frame Kit 6899, 5 EA/Case                                   |
| 7000029584 | 70070079150                          | •            |    | 7890    | 3M™ Full Face Plug 7890, Replacement Part 20 EA/Case            |
| 7100254233 | XA006514674                          | •            | •  | 102     | 3M™ Universal Spectacle Kit 102, 1 ea/Case                      |
| 7000001945 | 70070406544                          | •            | •  | 601     | 3M™ Fit Test Adapter 601, Bayonet, 1 ea/Case                    |
| 7100265515 | XP100544970                          | •            | •  | SC-6611 | 3M™ Fit Test Adapter SC-6611, DIN40, 1 ea/Case                  |

Please note not all parts and accessories are stocked or active in our system. Please contact 3M sales rep or customers service for further clarification.

**⚠ 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 Customer Service Australia 1300 363 565 [3msupport.safety.au@mmm.com](mailto:3msupport.safety.au@mmm.com), New Zealand 080252 627 [3msupport.safety.nz@mmm.com](mailto:3msupport.safety.nz@mmm.com)**

## Warning

Selection of the most appropriate respiratory protective equipment (RPE) will depend on the particular situation and should be made only by a competent person knowledgeable of the actual working conditions and the limitations of RPE. Details regarding performance and limitations are set out in this technical bulletin as well as on the respirator packaging and user instructions. Before using any respirator, the wearer must read and understand the user instructions for the product. Specific legislation must be observed. If in doubt, contact a safety professional or 3M.

## Important Notice

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**3M Australia Pty Ltd**  
**Personal Safety Division**  
 Bldg A, 1 Rivett Road  
 North Ryde NSW 2113  
 Customer Service: 1300 363 565  
 Email: [3msupport.safety.au@mmm.com](mailto:3msupport.safety.au@mmm.com)  
 Web: [www.3M.com/au/ppesafety](http://www.3M.com/au/ppesafety)

**3M New Zealand Ltd**  
**Personal Safety Division**  
 94 Apollo Drive, Rosedale  
 Auckland 0632  
 Customer Service: 0800 252 627  
 Email: [3msupport.safety.nz@mmm.com](mailto:3msupport.safety.nz@mmm.com)  
 Web: [www.3M.com/nz/ppesafety](http://www.3M.com/nz/ppesafety)

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