

# 3M™ 6000 Series Particulate Filters - 6035 & 6038

## Technical Data Sheet

### Description

The 3M™ 6000 Series Particulate Filters are a unique design, utilising 3M's proven filter technologies to provide low breathing resistance.

### Features

- Solid top design reduces the chance of premature caking, clogging, or soiling with dirt, grime, water or dust
- Protective casing aids decontamination practices
- Patented bonded web technology has more surface area than many standard filters which helps lower breathing resistance making it more comfortable to use
- Unique case making it easy to perform a quick self fit check
- Temperature resistant cover protects filter media from heat, sparks or physical damage
- 3M™ Bayonet Connection System ensures precise and secure locking
- Very lightweight:
  - 6035 Filter is 70 gms per pair of filters
  - 6038 Filter is 85 gms per pair of filters
- Suitable for use with 3M™ Half Face Respirators 6000/6500QL/7500 Series and Full Face Respirators 6000/7000 Series

### Specifications

The 6000 Series Particulate Filters come in two product options: 3M™ Particulate Filter 6035, P2/P3\* and 6038, P2/P3\*(HF) both provide protection against dusts, mists and fumes – all particulates.

### Materials

The following materials are used in this product:

- Filter Body - Polystyrene
- Gas/Vapour Filter element - Activated Carbon
- Particulate Filter Element - Fibreglass

### Standards

Complies with AS/NZS1716:2012 (Respiratory Protective Products)

Use in accordance with AS/NZS 1715 (Selection, use and maintenance of respiratory protective equipment).



### Fitting Instructions

Only new, unused filters from their original packaging should be fitted to your facepiece. Ensure that both filters are of the same type and class.

- Align 6000 filter notch with facepiece 3M logo and push together.
- Turn filter 1/4 turn clockwise to stop.  
Discard and replace both filters at the same time.
- To remove filter, turn 1/4 turn anticlockwise

### Disposal

Dispose in accordance with local and national regulations appropriate to the contaminants captured.

Low boiling point organic compounds are capable of migrating through 3M 6000 filters when not in use.

### Technical Specifications

When selected and used in accordance with this standard, is capable of providing protection against particulates at levels up to (10) times the Exposure Standard when used on a half face respirator and up to one hundred (100) times the Exposure Standard when used on a full face respirator and exposures less than the relevant IDLH (Immediately Dangerous to Life and Health) value.

The 6038 is also recommended for use against hydrogen fluoride (HF) up to 30ppm and also offers relief from nuisance\*\* levels of other acid gases such as chlorine or sulphur dioxide and organic vapours.

\*Provides P3 protection only when worn with a 3M Full face Respirator. Provides P2 protection with half face respirator.

\*\*Nuisance levels are levels below the relevant Workplace Exposure Standard.

## Markets/Processes

### 3M™ Particulate Filter 6035, P2/P3\*

- Grinding, sanding & polishing
- Food manufacturing
- Construction / quarrying
- Woodworking
- Pharmaceutical/powdered chemicals
- Water blasting
- Fibreglass installation
- Asbestos related tasks (refer to local guidelines\*\*\*)

### 3M™ Particulate Filter 6038, P2/P3 (HF)

- Welding
- Pharmaceutical
- As a pickling agent for stainless steel
- Electroplating operations
- Manufacturing of fertiliser
- Etching, frosting of ceramics
- Removal of sand from foundry castings

## Warning and Limitations

Particular attention should be given to warning statements where indicated. Proper selection, training, use and appropriate maintenance are essential in order for the product to help protect the wearer from certain airborne contaminants. Failure to follow all instructions on the use of these respiratory protection products and/or failure to properly wear the complete product during all periods of exposure may adversely affect the wearers health, lead to severe or life threatening illness or permanent disability.

Always be sure that the complete product is:

- Suitable for the application;
- Fitted correctly;
- Worn during all periods of exposure;
- Replaced when necessary.

For suitability and proper use follow local regulations, refer to all information supplied or contact an occupational hygienist, safety professional or 3M representative on the Tech Assist Helpline 3M Australia 1800 024 464, 3M New Zealand 0800 364 357.

Use this respirator system strictly in accordance with all instructions:

- contained in this booklet,
- accompanying other components of the system.
- Do not submerge the filters in liquid.
- Do not use in atmospheres containing less than 19.5% oxygen. (3M definition. Individual countries may apply their own limits on oxygen deficiency. Seek advice if in doubt).
- Do not use these products in pure oxygen or oxygen-enriched atmospheres.
- Do not use for respiratory protection against atmospheric contaminants/concentrations which have poor warning properties or are unknown or immediately dangerous to life and health (IDLH) or against contaminants/concentrations which generate high heats of reaction with chemical filters.

- Do not use in concentrations above those specified
- Leave the contaminated area immediately if:
  - a) Any part of the system becomes damaged.
  - b) Airflow to the face piece decreases or stops.
  - c) Breathing becomes difficult or increased breathing resistance occurs.
  - d) Dizziness or other distress occurs.
  - e) You smell or taste contaminants or irritation occurs.
- Never alter, modify or repair this device.
- These products do not contain components made from natural rubber latex.
- In case of intended use in explosive atmospheres, contact 3M.

**NOTE:** Save all user instructions for continuing reference.

## Shelf Life, Storage and Transportation

Shelf life of the unopened product is five (5) years from date of manufacture when stored in temperature range -20°C to +25°C and at less than 80% relative humidity. Average storage conditions may exceed 25°C/80%RH for limited periods. They can reach 38°C/85%RH provided this is for no more than 3 months of the shelf life of the product.

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.

Storing the filters in an airtight container will help prolong the service life by reducing exposure to moisture and contaminants.

As per AS/NZS1715:2009 Section 4.2.5.3, "All classes of gas filter shall be discarded no longer than six months after opening, irrespective of the number of periods of use".

## Additional Information

### 3M™ Select & Service Life Software

3M have designed software to help you estimate how frequently certain 3M™ Gas and Vapour Cartridges should be replaced. You can then use this information to establish a cartridge change schedule. You will firstly need information on the chemical contaminants in your working environment

**For more information contact your 3M representative or call the 3M TechAssist Helpline:**

**3M Australia:** 1800 024 464

**3M New Zealand:** 0800 364 357

## 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. The user is responsible for determining the suitability of the product for its intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

\*\*\* Refer to WHS guidelines or New Zealand Ministry of Business, Innovation & Employment Guidelines (previously known as Department of Labour)



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