

## 3M™ Organic Vapour/Acid Gas Cartridge Filter 6057, A1B1E1

### Description

3M™ Organic Vapour/Acid Gas Cartridge 6057 is one of the 3M™ 6000 series gas/vapour cartridges. These are used in combination with the 3M™ Half and Full Face respirators.

### Features

- 3M high performance activated carbon for effective filtration
- 3M™ Bayonet Connection System ensures precise and secure locking
- Low profile and well balanced twin filter design
- Suitable for use with 3M™ Half Face Respirators 6000/7500 Series and 3M™ Full Face Respirators 6000/7000 Series

### Specifications

- Filter Rating: A1B1E1
- Provides protection against organic vapours (boiling point > 65°C) inorganic & acid gases
- Weight: 115 gm per filter (nominal)

### Hazards/Tasks

- Working with solvents and/or acid gases such as toluene, chlorine, hydrogen chloride and sulfur dioxide.
- Degreasing, using paint thinners, acid cleaning, etching and electroplating, acid and fertiliser manufacturing.

**Note:** Gas/vapour cartridges do not filter particulates. If there is exposure to particulates, including mists, use a combination of filters for protection. For example: fit the 3M™ Particulate Filters



5925 (P2) and the 3M™ Filter Retainer 501 over the gas/vapour cartridge to provide combined protection against dusts, mists and fumes as well as the rated gas/vapour (refer to picture below).



### Standards

- Complies with AS/NZS 1716 (Respiratory protective devices).
- Use in accordance with AS/NZS 1715 (Selection, use and maintenance of respiratory protective equipment).

### Technical Specifications

When selected and used in accordance with the standard (AS/NZS 1715) and for the contaminants specified, this filter is capable of providing the following protection:

- With a 3M 6000/7500 Series Half Face Respirator: for airborne concentrations up to 10 times the Workplace Exposure Standard (WES) or 1000 ppm, whichever is the lower.
- With a 3M 6000/7800 Series Full Face Respirator: for concentrations up to 50 x WES or 1000 ppm, whichever is the lower.

### Warning and Limitations

Particular attention should be given to warning statements where indicated. Proper selection, fit, 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 wearer's health, lead to severe or life threatening illness or permanent disability.

Always be sure that the complete product is:

- Suitable for the application;
- Fit tested and 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 - Australia 1800 024 464 or New Zealand 0800 364 357.

Use this respirator system strictly in accordance with all User Instructions:

- 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 and 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 airborne concentrations above those specified in **Technical Specifications**.
- Leave the contaminated area immediately if:
  - Any part of the system becomes damaged.
  - Airflow to the face piece decreases or stops.

- Breathing becomes difficult or increased breathing resistance occurs.
- Dizziness or other distress occurs.
- 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.

**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  $-20^{\circ}\text{C}$  to  $+25^{\circ}\text{C}$  and at less than 80% relative humidity. Average storage conditions may exceed  $25^{\circ}\text{C}/80\%\text{RH}$  for limited periods. They can reach  $38^{\circ}\text{C}/85\%\text{RH}$  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/Filters 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 the TechAssist Helpline. You can also ask for a copy of the 3M Select and Service Life Software Information Sheet.

## **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.



### **Personal Safety Division**

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