

3M™ Ammonia and Methylamine Cartridge Filter 6054, K1

Technical Data Sheet

Description

3M™ Ammonia and Methylamine Filter 6054 is one of the 3M™ 6000 series gas/vapour cartridges. These are used in combination with 3M™ Half and Full Face bayonet 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 6000/6500QL/7500 Series and Full Face Respirators 6000/FF-400 Series

Specifications

- Filter Rating: K1
- Provides protection against ammonia and methylamine.
- Weight: 230 gm per pair of filters

Hazards/Tasks

Working with ammonia and methylamine used in the manufacture of fertilisers, refrigeration systems, synthetic fibres and dyes.

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).



Materials

The following materials are used in this product:

- Filter Body - Polystyrene
- Gas/Vapour Filter element - Activated Carbon



Standards

- Complies with AS/NZS 1716:2012 (Respiratory protective devices).
- Use in accordance with AS/NZS 1715:2009 (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 6054 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.

Compatible facepieces



6000 Half Face



6500QL



7500



6000 Full Face



FF-400

Disposal

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

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 Half Face Respirator: for airborne concentrations up to 10 times the Workplace Exposure Standard (WES) or 1000 ppm, whichever is the lower and exposures less than the relevant IDLH (Immediately Dangerous to Life and Health) value.
- With a 3M Full Face Respirator: for concentrations up to 50 x WES or 1000 ppm, whichever is the lower and exposures less than the relevant IDLH (Immediately Dangerous to Life and Health) value.

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 Customer Services - Australia 1300 363 565 - New Zealand 0800 252 627.

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:
 - o Any part of the system becomes damaged.
 - o Airflow to the face piece decreases or stops.
 - o Breathing becomes difficult or increased breathing resistance occurs.
 - o Dizziness or other distress occurs.
 - o 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 -10°C to +50°C and at less than 90% relative humidity.

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 reduce exposure to the work environment and help prolong the life of the equipment.

As per AS/NZS 1715:2009 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".

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.



For assistance in determining 3M bayonet gas/vapour cartridge breakthrough and filter change schedules for certain gas/vapour contaminants visit the free

3M Select and Service Life (SLS) Software | www.3m.com/sls

Ordering Information

SAP ID	Legacy ID	Availability		Model #	Description
		AUS	NZ		
7000034750	AT010561440 (AUS) GT500084055 (NZ)	•	•	6054	3M™ Gas and Vapour Filters 6054, K1 Ammonia, 64 EA/Case

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SCAN OR CLICK FOR:



Reusable
Respirator
Catalogue Section



Full Personal
Safety Division
Catalogue

Technical Statement

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