

3M™ Particulate Filter 2138, GP2/GP3*

With Nuisance Level Organic Vapour/Acid Gas Relief

Technical Data Sheet



Description

3M™ Particulate Filter 2138 is one of the 3M™ 2000 series particulate filters. These are used with 3M™ Half and Full Face respirators.

Features

- Lightweight and provides low breathing resistance
- Made from 3M high performance filter media for effective filtration efficiency
- 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 and 3M™ Full Face Respirators 6000/7000 Series

Specifications

- Filter Rating: GP2/GP3*
- Provides protection against certain mechanically and/or thermally generated particulates such as dusts, mists and fumes.
- It is also suitable for use against ozone and nuisance** level acid gas & organic vapours with low vapour pressure (<1.3 Pa @ 25°C)
- **Note:** Higher P3 protection only achieved with a 3M Full Face Respirator. Otherwise P2 protection level when worn on a 3M Half Face Respirator
- Weight: 15g per filter (nominal)

Hazards/Tasks

- For protection against welding fume, ozone, polishing and grinding particles when welding or fabricating
- Also for spraying pesticides or herbicides containing organic vapours with vapour pressure <1.3 Pa @ 25°
- Also for protection against certain highly toxic particulates e.g. Beryllium (ref AS/NZS 1715)



Standards

Complies with AS/NZS 1716:2012
(Respiratory protective devices).

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

When to change particulate filters

The service life of a particulate filter is indicated by a change in breathing resistance. As the filter continues to capture contaminants, the ease of breathing will reduce. Deciding when to change to out the filter is therefore based on the wearers' individual assessment of breathing resistance and comfort.

A 'G' rated filter has additional service life requirements over and above those for a standard particulate filter due to the carbon content. This filter should be discarded no longer than 6 months after opening (AS/NZS 1715).

Significant exposures times and exposure levels can fill the carbon capacity much quicker than this and filter change times should be assessed in regards to the specifics of the task, substances involved and times of use.

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 6000/6500QL/7500 Half Face Respirator: Particles - for airborne concentrations up to 10 times the Workplace Exposure Standard (WES).
- With a 3M Full Face Respirator: Particles - for airborne concentrations up to 100 x WES
- Organic compounds with low vapour pressures (<1.3Pa @ 25 degrees Celsius) in concentrations up to 10 x WES
- Ozone up to 10 x WES
- Offers relief from acid gases and organic vapours at levels below the WES

*Higher P3 protection only achieved when worn with a 3M Full Face Respirator. Otherwise P2 protection level when worn on a 3M Half Face Respirator.

**Nuisance levels are those levels below the Workplace Exposure Standard (WES)