

# 3M Filter Selection

CHFILTERFITSHEET

## How to fit the 3M Filters to 3M Masks

To make life easy, 3M Filters attachment system has been engineered to fit the entire range of 3M half and full face masks. The reliable 3M Bayonet Filter Fixing System allows the filters to be clicked into place quickly and securely.



## Gas & Vapour Filters (3M 6000 series)



1. Line up the 3 indented lines on the inner side of the filter with the arrow on the half mask and push together.
2. Turn the filter ¼ turn clockwise until the filter locks into place.



## Combined Gas & Vapour & Particulate filters (3M 6000 series with the 3M 5000 series)



1. Place the white particulate filter (3M 5000 series) into the plastic retainer so that the printed side will face the gas & vapour filter, then put the gas and vapour filter on top and press firmly to click into place.
2. Fit to the mask as described for Gas & Vapour Filters.

## Particulate Filters (3M 2000 series)



1. Align the filter bayonet fitting with the mask bayonet fitting.
2. Rotate ¼ turn clockwise to attach.

## How long will the filter last?

Gas/vapour filters (3M 6000 Series filters) should be changed as soon as "breakthrough" occurs (i.e. safe levels of hazard can be smelt or tasted)\*

Particulate filters (3M 2000 Series filters) should be changed when breathing resistance becomes difficult (i.e. breathing is against a clogged filter)

**For substances with low warning properties (i.e. with no or little smell or taste e.g. isocyanate paints), supplied air respirators should be used rather than a mask and filters, since "breakthrough" cannot be detected with this type of substance.**

\* It is advised to not routinely rely on smell or taste but to change filters before breakthrough. Your company risk assessment and certain 3M filters may also specify different instructions on a more regular filter change schedule. Please read all manufacturers instructions before use.



# 3M Filter Selection

## Which Filter Should I Use?

Depending on the filter you select, your 3M respirator can protect against particulates, gases and vapours or a combination of the two. To select the most appropriate filter for a particular chemical or hazard, please:-

- Refer to the diagram below for assistance
- Visit the 3M online Filter Selector at [www.3m.com/uk/ohes](http://www.3m.com/uk/ohes), click on the link to 3M Respirator Product Selector, select the nature and level of hazardous substance you wish to protect against and a list of suggested filters will be generated.
- Or call the 3M Health & Safety Helpline on **0870 60 800 60** for advice and samples

## 3M FACEPIECE

### PARTICULATE PROTECTION ONLY

#### 3M 2000 Series Filter Range

**P2 Particulate Protection**  
Product Code - 3M 2125

**P2 Particulate Protection + Nuisance Level Organic Vapour & Acid Gas**  
Product Code - 3M 2128



**P3 Particulate Protection**  
Product Code - 3M 2135

**P3 Particulate Protection + Nuisance Level Organic Vapour & Acid Gas**  
Product Code - 3M 2138



- + Extremely lightweight
- + Low breathing resistance
- + Low profile gives unobstructed field of vision

OR

**P3 Particulate Protection (filter encapsulated in a lightweight plastic case)**  
Product Code - 3M 6035

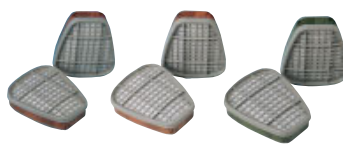


- + Filter in a lightweight plastic case
- + Ideal for wet, dirty or high heat conditions
- + Reduced chance of filter clogging
- + Hazard is contained within filter media protected by plastic case avoiding risk of skin contamination on removal of filter
- + No need to remove during disinfection

### GAS & VAPOUR PROTECTION ONLY

#### 3M 6000 Series Filter Range

Product code	A1*	A2*	B*	E*	K*
3M 6051	X				
3M 6054					X
3M 6057	X		X	X	
3M 6059	X		X	X	X
3M 6075	X	+FORMALDEHYDE			
3M 6055		X			



- + Lightweight for optimal weight distribution
- + Unique low profile trapezoidal shape gives unobstructed field of vision

**Gas & Vapour Protection explained**

EN141, the European standard for gas filters, classifies gases and vapours into the following groups, each of which are designated a standard colour coding. There are coloured bands on 3M 6000 series filters using this coding to denote the nature of the protection that each product provides.

**A** - Organic Vapours (boiling point >65°C). Examples of these include xylene and toluene

**B** - Inorganic Vapours. Examples of these include chlorine and bromine

**E** - Acid gases. Examples of these include sulphuric acid

**K** - Ammonia and its derivatives.

**AX** - Organic Vapours (boiling point <65°C). Examples of these include acetone and bromoethane

\*1 or 2 - 1 after the letter denotes Class 1  
- 2 after the letter denotes Class 2  
Class 2 has higher gas capacity than Class 1

### PARTICULATE + GAS & VAPOUR PROTECTION

1.

**Check whether any 3M ready-stacked filters are applicable:**

**P3 Particulate Protection + Mercury Vapour**  
Product Code - 3M 6096

**AX, P3 Particulate Protection + Low Boiling Point Organic Vapours (AX)**  
For use with full face masks and single shifts only  
Product Code - 3M 6098

**P3 Particulate Protection + Class 2 organic, inorganic acid gas + ammonia (ABEK2)**  
For use with full face masks only  
Product Code - 3M 6099

2.

If not, choose your Gas & Vapour filter from here


3.

**Then choose a particulate filter from 3M 5000 Series Filter Range**

**P1**  
Product Code - 3M 5911

**P2**  
Product Code - 3M 5925

**P3**  
Product Code - 3M 5935



- + Extremely lightweight
- + Low breathing resistance
- + Excellent field of vision

4.

**Use a 3M 501 retainer to clamp the two filters together and to the mask**

