Reusable Respirators

For prolonged periods of use, Half and Full Face Masks by 3M offer exceptional value and quality, all combine comfort with ease of use. 3M™ Respirators have to pass strict quality control tests and provide a consistently high level of safety.

The choice of the right mask and filter type depends on your particular working environment and individual requirements. 3M can assist you to choose the protection that helps you achieve optimum results.
# The 4-Step Method

## 1. Identify the Hazards

<table>
<thead>
<tr>
<th>Application</th>
<th>Hazard</th>
<th>Typical Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Painting, Spraying, Varnishing, Coating</td>
<td>Solvent-Based Paint**</td>
<td>A2P3 R</td>
</tr>
<tr>
<td></td>
<td>Anti-Fouling Paint Spraying / Grinding</td>
<td>A2P3 R</td>
</tr>
<tr>
<td></td>
<td>Water Soluble Paint</td>
<td>A1P2 R</td>
</tr>
<tr>
<td></td>
<td>Solvents, Resins, Synthetic Resins**</td>
<td>A2P3 R</td>
</tr>
<tr>
<td></td>
<td>Latex-Paint, Residual Solvents</td>
<td>A2P3 R</td>
</tr>
<tr>
<td></td>
<td>Wood Preservatives</td>
<td>A1P2 R</td>
</tr>
<tr>
<td>Maintenance</td>
<td>Disinfection, Cleaning*</td>
<td>ABEK1P2 R</td>
</tr>
<tr>
<td>Decoration</td>
<td>Spray-On Glue, Foam, Varnish, Adhesive</td>
<td>A1P2 R</td>
</tr>
<tr>
<td>Waste Removal</td>
<td>Bacteria, Spores, Odours</td>
<td>A1P2 R</td>
</tr>
<tr>
<td>Agriculture</td>
<td>Pesticides, Insecticides</td>
<td>ABEK1P2 R</td>
</tr>
<tr>
<td>Wood Treatment</td>
<td>Bonding, Spray-On Glue</td>
<td>A2P3 R</td>
</tr>
<tr>
<td>Construction, Grinding, Cutting, Drilling</td>
<td>Tarring</td>
<td>A2P3 R</td>
</tr>
<tr>
<td></td>
<td>Sealing</td>
<td>A1P2 R</td>
</tr>
<tr>
<td></td>
<td>Spray Foam Insulation</td>
<td>A1P2 R</td>
</tr>
<tr>
<td>Coating</td>
<td>Organic Solvent/with boiling point less than 65 C</td>
<td>AXP3 R</td>
</tr>
<tr>
<td></td>
<td>Ammonia Based Paint Remover</td>
<td>ABEK</td>
</tr>
<tr>
<td></td>
<td>Polyurethane Coating**</td>
<td>ABEK1P3 R</td>
</tr>
<tr>
<td></td>
<td>Solvent Based Varnish</td>
<td>A2</td>
</tr>
<tr>
<td></td>
<td>Water Based Varnish</td>
<td>A1</td>
</tr>
<tr>
<td>Bonding</td>
<td>Solvent containing Adhesives</td>
<td>A1</td>
</tr>
<tr>
<td>Handling</td>
<td>Sulphur Dioxide</td>
<td>ABE</td>
</tr>
<tr>
<td></td>
<td>Hydrochloric Acid</td>
<td>ABE</td>
</tr>
<tr>
<td></td>
<td>Liquid Manure</td>
<td>ABEK</td>
</tr>
<tr>
<td></td>
<td>Ammonia</td>
<td>K</td>
</tr>
<tr>
<td></td>
<td>Formaldehyde</td>
<td>A1 + Form</td>
</tr>
<tr>
<td></td>
<td>Hazardous goods storage/transport</td>
<td>ABEK1P3 R</td>
</tr>
</tbody>
</table>

**Warning:**

This guide is only an outline. It should not be used as the only means for selecting a respirator. Details regarding performance and limitations are set out on the respirator package and user instructions. Before using any of these respirators, the wearer must read and understand the user instructions for each product. Specific country legislation must be observed.

* excluding Formaldehyde

** for occurrence of isocyanates, please contact the 3M Customer Helpline +44 (0) 870 60 800 60 or your local 3M office

White – Particulate Protection
Brown – Organic Vapours Protection
Grey – Inorganic Vapours Protection
Yellow – Acid Gases Protection
Green – Ammonia and its Derivatives
2. Assess the Risk

Nominal Protection Factors (NPF) for reusable half and full face masks*

<table>
<thead>
<tr>
<th>Filter Classification</th>
<th>NPF* with 3M Half Mask</th>
<th>NPF* with 3M Full Face Mask</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>P2</td>
<td>12</td>
<td>16</td>
</tr>
<tr>
<td>P3</td>
<td>48</td>
<td>1000</td>
</tr>
<tr>
<td>Class 1 Gas and Vapour filters</td>
<td>50 or 1000ppm (whichever is lower)</td>
<td>2000 or 1000ppm (whichever is lower)</td>
</tr>
<tr>
<td>Class 2 Gas and Vapour filters</td>
<td>50 or 5000ppm (whichever is lower)</td>
<td>2000 or 5000ppm (whichever is lower)</td>
</tr>
</tbody>
</table>

AX-Filter for low boiling point (organic composition with a low boiling point under 65 °C). AX-Filter should only be fitted to 3M™ Full Face masks. AX filters may only be used for a single shift.

A1 and A2 Filter for organic vapour with a boiling point above 65 °C.

* Country APF should be used where available.

Nominal Protection Factor (NPF) - a number derived from the maximum percentage of total inward leakage permitted in relevant European Standards for a given class of respiratory protective devices.

3.1 Select the Right Respirator

<table>
<thead>
<tr>
<th>3M™ Reusable Respirator Series</th>
<th>4000</th>
<th>6000</th>
<th>6500</th>
<th>7500</th>
<th>6000</th>
<th>7907S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Half Masks</td>
<td>Half Masks</td>
<td>Half Masks</td>
<td>Half Masks</td>
<td>Full Face Masks</td>
<td>Full Face Masks</td>
</tr>
<tr>
<td>Durable</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Maintenance-free</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Ready to use</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Comfortable</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Lightweight</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Easy to fit</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Adjustable head bands</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Drop Down feature</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<td>●</td>
</tr>
<tr>
<td>Easy-to-clean</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Quick de-assembly for maintenance</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>3M™ Cool Flow Valve</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Compatible with 3M Supplied Air System</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Modular replacement filter system</td>
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<td>●</td>
<td>●</td>
<td>●</td>
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<td>Variety of filters</td>
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<td>●</td>
<td>●</td>
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<td>●</td>
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<td>Eye Protection</td>
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<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Six-point head harness</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Speaking diaphragm</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Spare parts</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Accessories</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Multiple sizes available</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Colour coded sizes</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>
3.2 Select the Right Filter

Particulate Protection only

- 7907S Full Face Mask
- 6000 Full Face Mask
- 7500 Half Face Mask
- 6500 Half Face Mask
- 6000 Half Face Mask

Gas & Vapour Protection only

- 6035 P3 R
- 6038 P3 R (HF)
- 2125 P2 R 2135 P3 R
- 6051 A1
- 6054 K1
- 6056 A1
- 6057 ABE1
- 6055 A2
- 6059 ABEK1
- 6055i A2
- 6075 A+Formaldehyde

Particulate protection with relief from nuisance odours

- 6038 P3 R (HF)
- 2128 P2 R
- 2138 P3 R
- 6051 A1
- 6051i A1
- 6055 A2
- 6055i A2
- 6054 K1
- 6057 ABE1
- 6059 ABEK1
- 6075 A+Formaldehyde

Combined Particulates + Gas and Vapour Protection

- 6096 A1HgP3 R
- 6098 AXP3 R
- 6099 ABEK2P3 R
- 6051 A1
- 6054 K1
- 6056 A1
- 6057 ABE1
- 6055 A2
- 6059 ABEK1
- 6055i A2
- 6075 A+Formaldehyde

* For use with Full Face Masks only by 3M

Optional 3M™ S-200+ Supplied Air System compatible with 3M™ Reusable Respirator Series
4. Train in Fitting and Use
Make sure you know how to use and maintain your Respiratory Protective Equipment to ensure effective respiratory protection. 3M sales and technical professionals can help you to define your training needs and can provide training and on-site consultations on all aspects of respiratory protection tailored to your individual needs. You'll also find easy to use training on our website: www.3M.eu/occsafety

Reusable Respirator Care & Maintenance
3M™ Reusable Respiratory Equipment requires regular checks and maintenance to ensure optimum performance and protection for the wearer. In addition to potentially reducing protection levels, poor maintenance can also reduce the effective lifetime of the equipment, resulting in the additional cost of replacement. Guidance on the appropriate checks is provided in the instruction booklets with each new item.

Example of a 3M™ Reusable Respirator Cleaning and Inspection Sheet
Respirator Select and Service Life Software

3M have designed state of the art software to help make the selection of 3M™ Respirators and filters easier. The user-friendly software also helps users estimate the service life of 3M™ Gas and Vapour Filters and helps determine how to use the NEW 3M™ 6051i and 6055i filters that feature the 3M™ End of Service Life Indicator (ESLI).

The 3M™ Select and Service Life Software simplifies and speeds up the selection of 3M™ Respirators through a user-friendly interface that allows the user to enter contaminants and their concentrations.

With the ability to analyse more than 700 different chemicals, and mixtures of chemicals, the software provides a series of prompts to the user to select an appropriate respirator. A record is also provided of the choices made by the user.

Respiratory filters have a limited service life, this is the estimated period of time before breakthrough of a chemical for a specific filter. Respiratory protection standards and/or good practice often require users of chemical filter respirators to implement a filter change schedule based on “objective information or data” to help prevent worker overexposure.

The 3M™ Select and Service Life Software offers the additional capability of estimating the frequency of replacement of 3M™ Gas and Vapour Filters. The software calculates service life based on workplace conditions such as contaminant concentration. This information can then be used to establish a filter change schedule.

ESLI Software

The 3M™ Gas & Vapour Service Life Indicator Filters 6051i and 6055i feature an End of Service Life Indicator (ESLI). The ESLI software can help you determine if you can rely on the ESLI as your primary filter change plan.

3M™ Select Software

3M™ Select Software is designed to help you choose the appropriate 3M™ Respirator for your work environment.

3M™ Service Life Software

The Service Life calculation is designed to help you estimate the service life of selected 3M™ Gas and Vapour Filters.

To use the software simply visit: www.3M.eu/SLS
3M has developed a broad range of filters for use with its half and full face masks that offer effective protection against gases, vapours and particles. The unique Bayonet Filter Attachment System allows the filters to just be clicked into place ensuring optimum ease of use.

### 3M™ Filters for use with Reusable Respirators

3M™ has developed a broad range of filters for use with its half and full face masks that offer effective protection against gases, vapours and particles. The unique Bayonet Filter Attachment System allows the filters to just be clicked into place ensuring optimum ease of use.

#### 3M™ Particulate Filters 2000 Series

<table>
<thead>
<tr>
<th>Filter</th>
<th>Protection level</th>
<th>Protection against</th>
</tr>
</thead>
<tbody>
<tr>
<td>2125</td>
<td>P2 R</td>
<td>solid and liquid particles</td>
</tr>
<tr>
<td>2128</td>
<td>P2 R</td>
<td>solid and liquid particles. Plus ozone protection factor and organic vapours/acid gas</td>
</tr>
<tr>
<td>2135</td>
<td>P3 R</td>
<td>solid and liquid particles</td>
</tr>
<tr>
<td>2138</td>
<td>P3 R</td>
<td>solid and liquid particles. Plus ozone protection factor and organic vapours/acid gas</td>
</tr>
<tr>
<td>502**</td>
<td></td>
<td>filter retainer</td>
</tr>
</tbody>
</table>

#### 3M™ Particulate Filters 5000 Series

<table>
<thead>
<tr>
<th>Filter</th>
<th>Protection level</th>
<th>Protection against</th>
</tr>
</thead>
<tbody>
<tr>
<td>5911†</td>
<td>P1 R</td>
<td>solid and liquid particles</td>
</tr>
<tr>
<td>5925†</td>
<td>P2 R</td>
<td>solid and liquid particles</td>
</tr>
<tr>
<td>5935†</td>
<td>P3 R</td>
<td>solid and liquid particles</td>
</tr>
<tr>
<td>501</td>
<td></td>
<td>filter retainer</td>
</tr>
<tr>
<td>603</td>
<td></td>
<td>filter platform</td>
</tr>
</tbody>
</table>

#### 3M™ Gas and Vapour Filters 6000 Series

<table>
<thead>
<tr>
<th>Filter</th>
<th>Protection level</th>
<th>Protection against</th>
</tr>
</thead>
<tbody>
<tr>
<td>6051</td>
<td>A1</td>
<td>organic gases &amp; vapours boiling point (bp)&gt;65°C</td>
</tr>
<tr>
<td>6054</td>
<td>K1</td>
<td>ammonia and derivatives</td>
</tr>
<tr>
<td>6055</td>
<td>A2</td>
<td>organic vapours bp&gt;65°C</td>
</tr>
<tr>
<td>6057</td>
<td>ABE1</td>
<td>organic vapours bp&gt;65°C, inorganic vapours and acid gases</td>
</tr>
<tr>
<td>6059</td>
<td>ABEK1</td>
<td>organic vapours (bp&gt;65°C), Inorganic vapours, acid gases ammonia and its derivatives.</td>
</tr>
<tr>
<td>6075</td>
<td>A1+ formaldehyde</td>
<td>organic vapours bp&gt;65°C and formaldehyde</td>
</tr>
</tbody>
</table>

#### 3M™ Gas and Vapour Filters with 3M™ Service Life Indicator 6000i Series

<table>
<thead>
<tr>
<th>Filter</th>
<th>Protection Level</th>
<th>Protection against</th>
</tr>
</thead>
<tbody>
<tr>
<td>6051i</td>
<td>A1</td>
<td>organic gases &amp; vapours bp&gt;65°C with 3M end of service life indicator</td>
</tr>
<tr>
<td>6055i</td>
<td>A2</td>
<td>organic vapours bp&gt;65°C with 3M end of service life indicator</td>
</tr>
</tbody>
</table>

*Please see the 6051i and 6055i User Instructions or the 3M™ Select and Service Life Software to determine if these filters are appropriate as a primary change out method for your work environment.

It is important to change your gas and vapour filters at the right time; using the filter for longer can lead to breakthrough of hazard into the mask. Service life is the term used to describe how long a set of filters can be used before they need to be changed.

*The ESLI is only appropriate as a primary change out method for certain organic vapours and exposure concentrations, must also be less than the workplace exposure limit (WEL).
3M™ Organic Gas & Vapour Service Life Indicator Filters – 6000i Series Filters

Proudly introducing the 3M™ Organic Gas & Vapour Filters with 3M™ Service Life Indicator technology.

Unique to 3M, these innovative and easy-to-use filters have an end-of-service-life indicator (ESLI) to help users to determine when to change their filters in appropriate environments*

Compatible with any 3M Reusable mask, apart from the 4000 Series, the 6051i and 6055i filters can be used to complement or replace your current filter change schedule.

Features and Benefits:

- Designed to indicate service life based on individual exposure and respiratory use patterns
- An efficient and effective visual tool to help determine when to change filters
- Helps provide added peace of mind, and can help increase compliance with your company’s respirator policy and industry regulatory requirements
- CE approved as A1 (6051i) and A2 (6055i) organic vapour filters against certain organic gases and vapours PLUS all of the features you would find in standard 3M Gas & Vapour Filters

Who can benefit?
The 3M Service Life Indicator can be used to complement or replace your current filter change schedule. It is only recommended as a primary change method for certain organic vapours and exposure levels.

To determine if the ESLI may be used as the primary method for determining your filter schedule:

1. Perform exposure monitoring to quantify the organic vapour exposure levels in your workplace (See www.3M.co.uk/exposedetection for guidance).
2. Enter the monitoring results in the 3M™ Select and Service Life Software (www.3M.co.uk/filterservicelife). If the ESLI is not applicable as a primary method, it may still be used to complement your current filter change schedule.

*Please see the 6051i and 6055i User Instructions or the 3M™ Select and Service Life Software to determine if these filters are appropriate as a primary change out method for your work environment.
Since its introduction, the 3M 4000 Series has been the first choice 3M Reusable Respirator by health and safety managers across Europe*. With no parts assembly or maintenance required this simple, lightweight, well balanced respirator offers reliable respiratory protection against a range of gases, vapours and particulates typically found in a variety of industries. A unique bonded carbon technology allows the respirator to sit close to the face and fit well under many other types of protective equipment, providing an undisturbed field of vision and a more comfortable worklife.

Features and Benefits:

**Comfortable, Effective Protection**
- Low profile design for better peripheral vision
- Lightweight, well balanced design
- Soft, non-allergenic material with textured face seal
- Proven to consistently exceed EU standard requirements for breathing ease1

**Convenience**
- One piece, maintenance-free construction
- Four versions available, each offering protection against differing hazards throughout industry
- Resealable bag provides convenient and clean storage between uses

**Cooler Wear**
- Central position of the exhalation valve for effective removal of heat and moisture build up within face piece

**Adjustability**
- Helps to achieve a stable secure fit
- Easy to fasten neck strap

**Cost Effective**
- Use until damaged, particulate filters clog or gas filters become saturated
- Proven to consistently exceed minimum standards for filter service life2 which can help postpone the need for respirator replacement and, overtime, represent a budget gain

**Accessories**
- 3M™ Overspray Guard 400 is available to help prolong the life of the main particulate filters

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1 INSPEC INTERNATIONAL Test Report 110.06.29 and ongoing quality release data

2 Tested by 3M, ongoing quality release data. For example in 2012: 300 products tested, all samples exceeded EN 405 minimum level gas and vapour filter capacity.

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*Based on sales of 3M reusable respirators in Europe Middle East and Africa between 2010 and 2013.
3M™ Reusable Half Masks
7500 Series

The 7500 Series Respirators by 3M have set a new standard in comfort. This facepiece was designed with the wearer in mind. Its soft sealing surface, along with the unique 3M™ Cool Flow™ Valve, enhances wearer comfort and face fit. Reduced breathing resistance helps to minimise heat build-up in the mask and increases your comfort.

Available in three sizes, all masks have the 3M™ Bayonet Attachment System offering a broad range of twin lightweight filters to protect against gases, vapours and particulates depending on your individual needs and can also be used with 3M™ Supplied-Air Systems.

Features and Benefits:

Head Harness
- Balanced, secure fit
- Reduced pressure and tension points

Facepiece
- DropDown feature for added convenience during breaks
- Designed for compatibility with 3M Head and Eye protection
- Soft silicone face piece material for comfort and durability
- Thin nose bridge area for more comfort
- Fully maintainable
- Low weight of 136 gr.

3M™ Cool Flow™ Exhalation Valve
- Less exhalation resistance
- Easier breathing
- Less heat and sweat build-up
- Reduces valve vibration
- Downwards flow of exhaled air
- Stays clean

Low-Profile Design
- Minimises interference with field of view
- Minimised dirt-traps
- Reduced fogging with eye protection
- Sleek look and feel

Filter Connection
- Twin filter design provides lower breathing resistance
- Better weight distribution and more balanced fit
- Improved peripheral vision
- Safe and secure fit
- Optical marking of attachment point
- Flexible System for gas, vapour, particulate filters
- Optional supplied-air connection

Plus
- Full range of spares available
- Available in three sizes distinguished by different colours

Compatible with:
- 3M™ S-200+ Supplied Air System
- 3M Protective Eyewear
- 3M Hearing Protection

Ready-to-Use Respirator Packs
3M™ Reusable Half Masks 7500 Series

See page 47 for 3M™ Half Mask Accessories
3M™ Reusable Half Masks 6500 Series

The 3M™ Reusable Half Masks 6500 Series have been designed with tough and dirty work environments in mind. Stay productive and protected – the 6500 Series delivers durability and stability with a firm, lightly textured silicone faceseal and strong body construction. There are two versions of the 6500 Series available - the 6500QL Series featuring the Quick Latch Drop Down mechanism and the 6500 Series (Standard). Both versions are available in three sizes.

Features and Benefits:

Overmoulded, Low-Profile Design
- Simplified cleaning and maintenance with minimal parts and crevices
- Advanced half mask design for a wide field of view
- Compatibility with 3M™ welding/grinding shields

Adjustable Head Harness Assembly
- Optimum fit and comfort with three-size adjustable head cradle
- Durable harness straps

Silicone Faceseal
- Provides comfort and stability with a soft but firm faceseal
- Extended product life due to resilient silicone material
- Lightweight
- Keeps its shape in high-heat environments
- Available in three sizes (S, M and L)

3M™ Bayonet Connection
- Flexible bayonet system for connection to a wide range of 3M™ gas, vapour and particulate filters

Valve Cover Design
- Directs exhaled breath and moisture downward
- Easy positive pressure seal check

3M™ Cool Flow™ Exhalation Valve
- Enhanced comfort by reducing heat and moisture
- Less exhalation resistance makes breathing easier

Quick Latch (QL) - Drop Down Mechanism*
- Easy on and off as you move in and out of contaminated areas
- No need to remove your safety helmet or face shield when lowering or raising your respirator

*QL version only

Compatible with:
- 3M™ S-200+ Supplied Air System
- 3M Protective Eyewear
- 3M Hearing Protection

See page 47 for 3M™ Half Mask Accessories
3M™ Reusable Half Masks
6000 Series

The 3M™ Reusable Half Masks 6000 Series are economical, low-maintenance, simple to handle and lightweight. Available in three sizes, all masks have the 3M™ Bayonet Connection System allowing connection to a broad range of twin filters to protect against gases, vapours and particulates depending on your individual needs. 6000 series half masks by 3M can also be used with 3M™ Supplied Air Systems for your increased convenience and flexibility.

Features and Benefits:

**Head Harness**
- Designed for compatibility with other 3M Head and Eye protection
- Cradle suspension for comfortable fit
- Easy to fasten neck strap

**Facepiece**
- Three colour coded sizes for easier identification
- Lightweight elastomeric material for comfort during long periods of work
- Ultra-low weight of 82g
- Reducing maintenance costs to minimum

**Low-Profile Design**
- Minimises interference with field of view
- More simplicity for easy handling

**Filter Connection**
- Twin filter design provides lower breathing resistance
- Better weight distribution and a more balanced fit
- Improved peripheral vision
- Safe and secure fit
- Optical marking of attachment point
- Flexible System for gas, vapour, particulate filters
- Optional supplied-air connection

**Plus**
- Spare parts available
- Available in three sizes distinguished by different colours

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**3M™ Half Mask 6200 (Medium)**
Classification: EN140:1998

3M™ Half Mask 6100 – small (light grey)
3M™ Half Mask 6200 – medium (grey)
3M™ Half Mask 6300 – large (dark grey)

Compatible with:
- Eyewear from 3M
- Hearing Protection from 3M

**Accessories for 3M Half Masks**

3M™ Face Seal Wipe 105
3M™ Face Seal Wipe 105

**Ready-to-Use Respirator Packs**
3M™ Reusable Half Masks 6000 Series
The 3M™ Full Face Mask 7907S offers durability and safety for demanding tasks that require face and respiratory protection. The 3M™ Bayonet Connection System offers a broad range of twin lightweight filters to protect against gases, vapours and particulates depending on your individual needs.

The 7907S full face mask by 3M can also be used with Supplied Air Systems by 3M for your increased convenience and flexibility.

Features and Benefits:

Six Strap Head Harness
- Easy and secure fit for maximum safety
- Provides greater stability
- Easy release buckles

Full Face Lens
- Large polycarbonate lens with wide field of view
- Spectacle kit and lens covers available

Facepiece
- Double face sealing for safe, secure fit to most face sizes
- 6 Strap suspension
- Silicone rubber one-size-fits-all
- Highly durable
- Range of consumables available
- Speech Diaphragm for improved communication

Filter Connection
- Twin filter design provides lower breathing resistance
- Better weight distribution and more balanced fit
- Improved peripheral vision
- Safe and secure fit
- Flexible System for gas, vapour, particulate filters
- Optional supplied-air connection

3M™ Full Face Mask 7907S (Silicone)
Classification: EN136 (Class 2)

Compatible with:
- Hearing Protection from 3M

Accessories for 3M™ Full Face Masks

3M™ Face Seal Wipe 105
3M™ Full Face Carry/Storage Bag 107
3M™ Reusable Full Face Masks
6000 Series

The 3M™ Full Face Masks 6000 Series are simple to handle and comfortable to wear. The exhalation port provides increased durability and is easy to keep clean. Available in three sizes, all masks have the 3M™ Bayonet Connection System enabling connection to a broad range of twin lightweight filters to protect against gases, vapours and particulates depending on your individual needs.

Features and Benefits:

**Full Face Piece**
- Soft, non-allergenic elastomeric face piece
- Extremely lightweight (400 grams) for high comfort

**Full Face Lens**
- Broad field of vision
- Polycarbonate lens, scratch and impact resistant to EN166:2001 B

**4 Strap Head Suspension**
- Easy to put on and take off
- Well balanced

**3M™ Cool Flow™ Exhalation Valve**
- Less exhalation resistance
- Easier breathing
- Less heat and sweat build-up
- Reduces valve vibration
- Downwards flow of exhaled air
- Minimised dirt-traps to stay clean
- Sleek look and feel

**Filter Connection**
- Twin filter design provides lower breathing resistance
- Better weight distribution and more balanced fit
- Improved peripheral vision
- Safe and secure fit
- Optical marking of attachment point
- Flexible System for gas, vapour, particulate filters
- Optional supplied-air connection

Accessories for 3M™ Full Face Masks

- 3M™ Face Seal Wipe 105
- 3M™ Full Face Carry/Storage Bag 107

Compatible with:
- Hearing Protection from 3M
Reusable Respirator Spares and Accessories

Half Masks

**3M™ 7500 Series Half Mask**

<table>
<thead>
<tr>
<th>#</th>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Head Harness</td>
<td>7581</td>
</tr>
<tr>
<td>2</td>
<td>Inhalation Valve</td>
<td>7582</td>
</tr>
<tr>
<td>3</td>
<td>Exhalation Valve</td>
<td>7583</td>
</tr>
<tr>
<td>4</td>
<td>Filter Holder</td>
<td>7566</td>
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**3M™ 6000 Series Half Mask**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>Inhalation Valve Gasket</td>
<td>6895</td>
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**3M™ 6500 and 6500QL Series Half Masks**

<table>
<thead>
<tr>
<th>#</th>
<th>Description</th>
<th>6500 Part Number</th>
<th>6500QL Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Head Harness Assembly/Quick Latch Head Harness Assembly</td>
<td>6581</td>
<td>6582</td>
</tr>
<tr>
<td>2</td>
<td>Exhalation Valve</td>
<td>6583</td>
<td>6583</td>
</tr>
<tr>
<td>3</td>
<td>Inhalation Valve</td>
<td>6593</td>
<td>6893</td>
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</tbody>
</table>
# Reusable Respirator Spares and Accessories

## Full Masks

![Full Face Mask Diagram](image)

### 3M™ 7907S Series Full Face Mask

<table>
<thead>
<tr>
<th>#</th>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Speaking Diaphragm Kit</td>
<td>7895</td>
</tr>
<tr>
<td>2</td>
<td>Breathing Room Assembly</td>
<td>7924</td>
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<tr>
<td>3</td>
<td>Nose Cup Assembly</td>
<td>7991</td>
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<tr>
<td>4</td>
<td>Exhalation Valve Cover</td>
<td>7919</td>
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<tr>
<td>5</td>
<td>Nose Cup Valve Assembly</td>
<td>7882</td>
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<tr>
<td>6</td>
<td>Lens Covers</td>
<td>7992</td>
</tr>
<tr>
<td>7</td>
<td>Lens Frame Kit</td>
<td>7928</td>
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<tr>
<td>8</td>
<td>Large Respirator Rubber</td>
<td>7003</td>
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</tbody>
</table>

### 3M™ 6000 Series Full Face Mask

<table>
<thead>
<tr>
<th>#</th>
<th>Description</th>
<th>Part Number</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Spectacle Kit</td>
<td>6878</td>
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<tr>
<td>2</td>
<td>Lens Cover Peek Off</td>
<td>6885</td>
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<tr>
<td>3</td>
<td>Exhalation Valve</td>
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<tr>
<td>4</td>
<td>Inhalation Valve</td>
<td>6893</td>
</tr>
<tr>
<td>5</td>
<td>Inhalation Gasket</td>
<td>6895</td>
</tr>
<tr>
<td>6</td>
<td>Head Harness Assembly (including head harness and buckles)</td>
<td>6897</td>
</tr>
<tr>
<td>7</td>
<td>Lens Assembly (including lens, bayonet part fittings, inhalation valves and inhalation port gaskets)</td>
<td>6898</td>
</tr>
<tr>
<td>8</td>
<td>Neckstrap Assembly</td>
<td>7883</td>
</tr>
<tr>
<td>9</td>
<td>Centre Adapter Assembly</td>
<td>6864</td>
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