3M Personal Safety
Disposable Respirators

Better protection through simple selection

The Power to Protect Your World™
Selecting and specifying the appropriate respiratory protective equipment can seem daunting with so many factors to consider. With our simple three-step selection system however, it’s easy to make sure the disposable respirator you choose offers the correct levels of protection and comfort required by your employees.

**STEP ONE** Which protection factor suits your needs?

<table>
<thead>
<tr>
<th>Protection factor</th>
<th>FFP1 Respirators</th>
<th>FFP2 Respirators</th>
<th>FFP3 Respirators</th>
<th>Speciality Respirators</th>
</tr>
</thead>
<tbody>
<tr>
<td>APF* 4</td>
<td>FFP1 Respirators</td>
<td>APF 10</td>
<td>APF 20</td>
<td>APF 4 or 10</td>
</tr>
<tr>
<td>Typical applications</td>
<td>Low level fine dust/oil or water based mists (hand sanding, drilling and cutting)</td>
<td>Moderate level fine dust/oil or water based mists (plastering, cement, sanding and wood dust)</td>
<td>Higher level fine dust/oil or water based mists (hazardous pharmaceutical powders, biological agents and fibres)</td>
<td>Fine dust/oil or water based mists. Options for metal fume, ozone and nuisance levels of certain gases and vapours dependent on model</td>
</tr>
<tr>
<td>Easy identification</td>
<td>Identified by YELLOW straps</td>
<td>Identified by BLUE straps or valve lettering</td>
<td>Identified by RED straps or valve lettering</td>
<td>Protection level can be identified by the strap colour or valve lettering</td>
</tr>
</tbody>
</table>

*APF – Assigned Protection Factor

**Classification explained**

When correctly used by a wearer who has passed a face fit test, an FFP1 respirator should reduce exposure to airborne particles by a factor of 4, an FFP2 by a factor of 10 and an FFP3 by a factor of 20.

Disposable respirators are additionally classified as reusable, or non-reusable (marked NR). Reusable products may be cleaned, stored and reused provided they are in good condition. Non-reusable products are intended for single shift use only. Look for the marker in the following pages, otherwise all 3M disposable respiratory products are non-reusable.

**STEP TWO** Choose a valved or unvalved respirator

**Benefits of a valved respirator**
- Reduces exhalation effort
- Cooler to wear
- Stays comfortable for longer
- Less likely to mist up eyewear

**Benefits of an unvalved respirator**
- Lower unit cost
- Prevents the wearer from contaminating their environment

**STEP THREE** What style?

Choose from our Classic, Comfort or Premium ranges or a Welding or Speciality respirator for specific applications. Some of our ranges offer a Cup-Shaped and Flat-Fold respirator for your preference.

**Particulate Respirator Options**

<table>
<thead>
<tr>
<th>Particulate Respirator Options</th>
<th>FFP1</th>
<th>FFP2</th>
<th>FFP3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Unvalved</td>
<td>Valved</td>
<td>Unvalved</td>
</tr>
<tr>
<td>Premium</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Flat-Fold</td>
<td>-</td>
<td>-</td>
<td>Aura 9310+</td>
</tr>
<tr>
<td>Comfort</td>
<td>Aura 9310+</td>
<td>Aura 9312+</td>
<td>8320</td>
</tr>
<tr>
<td>Flat-Fold</td>
<td>Aura 9310+</td>
<td>Aura 9312+</td>
<td>Aura 9320+</td>
</tr>
<tr>
<td>Classic</td>
<td>8710</td>
<td>8812</td>
<td>8810</td>
</tr>
<tr>
<td>Flat-Fold</td>
<td>K101</td>
<td>K111</td>
<td>K102</td>
</tr>
<tr>
<td>Welding</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Speciality</td>
<td>9906, 9913, 9915</td>
<td>9914</td>
<td>-</td>
</tr>
</tbody>
</table>
Our Classic Range offers simple and effective protection against dust and mist. It includes the traditional 3M™ 8000 Series Cup-Shaped Respirators and the convenient 3M™ K100 Series Flat-Fold Respirators.

3M 8000 Series Cup-Shaped Respirators

**Comfort**
- Traditional convex shape with nose clip and twin strap design
- Comfortable, lightweight and off-the-face design

**Safety**
- Reliable, effective protection against fine particles
- Durable, collapse-resistant inner shell

**3M™ Cool Flow™ Valve**
- Effectively removes heat build-up for a cooler and more comfortable wear
- Minimises the risk of misting eyewear
- Available on 3M™ 8812 and 8822 Cup-Shaped Particulate Respirators only

3M™ K100 Series Flat-Fold Respirators

- **Flat design** enables product to be easily stored
- **Diamond-shaped front** allows the respirator to maintain its shape in hot and humid environments
- **Single loop strap** allows easy adjustment on the face and head

**Available as:**

<table>
<thead>
<tr>
<th>FFP1</th>
<th>3M™ 8710 Cup-Shaped Particulate Respirator Unvalved Classification: EN 149:2001 FFP1 NR D APF 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFP2</td>
<td>3M™ 8810 Cup-Shaped Particulate Respirator Unvalved Classification: EN 149:2001 FFP2 NR D APF 10</td>
</tr>
<tr>
<td>FFP1</td>
<td>3M™ 8812 Cup-Shaped Particulate Respirator Valved Classification: EN 149:2001 FFP1 NR D APF 4</td>
</tr>
<tr>
<td>FFP2</td>
<td>3M™ 8822 Cup-Shaped Particulate Respirator Valved Classification: EN 149:2001 FFP2 NR D APF 10</td>
</tr>
</tbody>
</table>

**Available as:**

<table>
<thead>
<tr>
<th>FFP1</th>
<th>3M™ K111 Particulate Respirator Valved FFP1 NR D APF 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFP2</td>
<td>3M™ K112 Particulate Respirator Valved FFP2 NR D APF 10</td>
</tr>
<tr>
<td>FFP3</td>
<td>3M™ K113 Particulate Respirator Valved FFP3 NR D APF 20</td>
</tr>
<tr>
<td>FFP1</td>
<td>3M™ K101 Particulate Respirator Unvalved FFP1 NR D APF 4</td>
</tr>
<tr>
<td>FFP2</td>
<td>3M™ K102 Particulate Respirator Unvalved FFP2 NR D APF 10</td>
</tr>
</tbody>
</table>

**Exhalation valve** offers improved comfort in hot and humid environments and/or where work is physical

**Coloured noseclip** for easy identification

K102 and K113 also available individually wrapped
Comfort is critical when it comes to encouraging employees to wear their respirators consistently for long periods. This range sets new benchmarks in wearer comfort and is available in the advanced three-panel design of the brand new 3M™ Aura™ 9300+ Flat-Fold Series of Respirators as well as the 3M™ 8300 Series Cup-Shaped Respirators.

3M 8300 Series Respirators

- **M-Noseclip**
  - Quick and easy for wearers to mould around the nose, offering greater comfort and fit

- **High Performance Filter Material**
  - 3M™ Advanced Electret filter material helps wearers to breathe easily for more comfortable protection

- **3M™ Cool Flow™ Valve**
  - Effectively removes heat build-up for a cooler and more comfortable wear
  - Minimises the risk of misting eyewear
  - Available on 3M™ 8312, 8322 and 8833 Particulate Respirators only

- **Robust Outer Shell**
  - The shell construction offers users extra durability

- **Cushion-Fit Lining**
  - The cushioned inner lining provides a more comfortable fit to the face

- **Braided Headbands**
  - Materials have been selected for extra comfort and durability
  - Colour coded headbands offer easy protection level identification

### Available as:

- **FFP1**
  - 3M™ 8310 Particulate Respirator
    - Valved: FFP1 NR D APF 4
    - Unvalved: FFP1 NR D APF 4

- **FFP2**
  - 3M™ 8320 Particulate Respirator
    - Valved: FFP2 NR D APF 10
  - 3M™ 8322 Particulate Respirator
    - Valved: FFP2 NR D APF 10

- **FFP3**
  - 3M™ 8833 Particulate Respirator
    - Valved: FFP3 D APF 20
    - Non- respirator rated (N)
3M™ Aura™ 9300+ Series Respirators

- **Sculpted Nose Panel**
  - For improved compatibility with eyewear
  - Nose foam material absorbs sweat and is soft on the skin

- **Embossed Top Panel**
  - To reduce fogging of eyewear

- **Flat-Fold – 3-Panel Design**
  - Allows greater facial movement during speech
  - Easy to store
  - Provides comfort and style without compromising performance

- **3M™ Innovative Filter Material**
  - 3M’s most effective filtration combined with our lowest breathing resistance technology for easier breathing

- **3M™ Cool Flow™ Valve**
  - Effectively removes heat build-up for a cooler and more comfortable wear
  - Minimises the risk of misting eyewear
  - Available on 3M™ Aura™ 9312+, 9322+ and 9332+

- **Innovative Chin Tab**
  - To improve ease of fitting

- **Individual Packaging**
  - Hygienic packaging helps protect the respirator from contamination before use
  - Allows for practical storage and dispensing

**Available as:**

- **FFP1**
  - 3M Aura 9312+ Particulate Respirator Valved
    - Classification: EN 149:2001 FFP1 NR D APF 4

- **FFP2**
  - 3M Aura™ 9322+ Particulate Respirator Valved
    - Classification: EN 149:2001 FFP2 NR D APF 10

- **FFP3**
  - 3M Aura™ 9332+ Particulate Respirator Valved
    - Classification: EN 149:2001 FFP3 NR D APF 20

For more information on the 3M Aura 9300+ Series visit [www.3M.co.uk/Aura9300plus](http://www.3M.co.uk/Aura9300plus)
Our Premium Respirators offer enhanced performance and comfort due to a number of additional advanced features including:

- Soft facepiece sealing ring
- Exhalation valve to reduce heat build-up
- 4-point adjustable straps

**Soft Inner Face Seal Ring**
- Improves face fit and comfort
- *R* rated: Can be hygienically cleaned if used for longer than one shift (3M™ 105 Face Seal Cleaner)

**High Performance Filter Material**
- 3M™ Advanced Electret filter material helps wearers to breathe easily for more comfortable protection

**Colour Coded Valve Lettering**
- Easy to recognise protection level by colour coding

**3M™ Cool Flow™ Valve**

**Adjustable Braided Headbands**
- Ensures a more secure feel and provides comfort to face, head and neck

### Available as:

- **FFP2**
  - 3M™ 8825 Particulate Respirator Valved
  - Classification: EN 149:2001 FFP2 R D
  - APF 10
  - Protection: Dust/Mist/Metal Fume
  - *R* rated

- **FFP3**
  - 3M™ 8835 Particulate Respirator Valved
  - Classification: EN 149:2001 FFP3 R D
  - APF 20
  - Protection: Dust/Mist/Metal Fume
  - *R* rated

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**The 3M™ Aura™ 9400+ Disposable Respirators**

Made without staples or small detachable parts

**Concealed Adjustable Nose Clip**
- Kept securely in place within the layers of the respirator

**Metal Detectable**
- Embedded metal nose clip to help ensure the safety of your production

**Conspicuous Colour**
- Bright blue for easy identification

**Staple-Free**
- Helps minimise contamination risks to your production

Other features as per the 3M™ Aura™ 9300+ Series

### Available as:

- **FFP2**
  - 3M™ 9422+ Valved
  - Classification: EN 149:2001 FFP2 NR D
  - APF 10

- **FFP3**
  - 3M™ 9432+ Valved
  - Classification: EN 149:2001 FFP3 NR D
  - APF 20
3M Speciality Respirators feature an integrated activated carbon layer offering relief from nuisance odours below the Workplace Exposure Limit (WEL). They can be used for a wide variety of applications ranging from welding to waste sorting.

**High Performance Filter Material**
- 3M™ Advanced Electret filter material helps wearers to breathe easily for more comfortable protection

**3M™ Cool Flow™ Valve**
- Effectively removes heat build-up for a cooler and more comfortable wear
- Minimises the risk of misting eyewear
- Available on 3M™ 9914, 9922 and 9926 Particulate Respirators only

**Carbon Layer**
- Provides protection against nuisance level organic vapours (below WEL)

**Colour Coded Straps**
- Easy to recognise performance level by colour coded straps

**Available as:**
- **FFP1**
  - 3M™ 9906 Speciality Particulate Respirator
    - Unvalved
    - Classification: EN 149:2001 FFP1 NR D APF 4
    - Protection: Dust/Mist/Nuisance Level Hydrogen Fluoride
  - 3M™ 9913 Speciality Particulate Respirator
    - Unvalved
    - Classification: EN 149:2001 FFP1 NR D APF 4
    - Protection: Dust/Mist/Nuisance Level Organic Vapour
  - 3M™ 9922 Speciality Particulate Respirator
    - Valved
    - Classification: EN 149:2001 FFP2 NR D APF 10
    - Protection: Nuisance Level Organic Vapour and Ozone Relief

- **FFP2**
  - 3M™ 9926 Speciality Particulate Respirator
    - Valved
    - Classification: EN 149:2001 FFP2 NR D APF 10
    - Protection: Dust/Mist/Nuisance Level Acid Gas

- **FFP1**
  - 3M™ 9914 Speciality Particulate Respirator
    - Valved
    - Classification: EN 149:2001 FFP1 NR D APF 4
    - Protection: Dust/Mist/Nuisance Level Organic Vapour
  - 3M™ 9915 Speciality Particulate Respirator
    - Unvalved
    - Classification: EN 149:2001 FFP1 NR D APF 4
    - Protection: Dust/Mist/Nuisance Level Acid Gas
3M offers two Welding Fume Respirators – the 3M™ 9925 Welding Respirator and the 3M™ 9928 Welding Respirator. Both provide lightweight and comfortable respiratory protection against dust, mist, metal fumes and ozone. The 3M 9928 also incorporates a soft face seal, giving it an R rating.

**Robust Shell and Cup Design**
- Flame retardant material minimises the effect of welding splatter
- Collapse-resistant

**Soft Inner Face Seal Ring (9928 Only)**
- Can be hygienically cleaned (use 3M™ 105 Face Seal cleaner)

**3M™ Cool Flow™ Valve**
- Effectively removes heat build-up for a cooler and more comfortable wear
- Minimises the risk of misting eyewear

**Carbon Layer**
- Provides protection against ozone gas and relief from nuisance level odours (below WEL)

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**Fit testing**

Users of respirators with a tight fitting facepiece should be fit tested as required by the Control of Substances Hazardous to Health Regulations (COSHH). Respirators with tight fitting facepieces include disposable respirators, half masks and full face masks, including those that form part of a powered or airfed respirator.

3M provide a fit testing service. For more information speak to our Safety Services Coordinator on 0845 60 134 57. Alternatively visit www.3M.co.uk/fittestrespirator

3M supports the Fit2Fit accreditation scheme for fit testers. Visit www.fit2fit.org

For more information on all our products, call 3M Safety Solutions on 0870 60 800 60 (UK) and 1800 320 500 (Ireland) or visit www.3M.co.uk/safety

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**Members of:**

BSiF

British Safety Industry Federation

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