

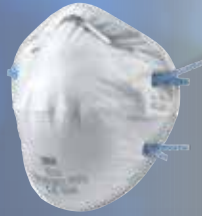
3M Personal Safety
Disposable Respirators

FFP

1

2

3



Better
protection
through simple selection

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The Power to Protect Your WorldSM





Our simple three-step guide

to choosing the right disposable respiratory protection

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?

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

*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 **R** reusable, or non-reusable (marked NR). **R** 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 **R** marker in the following pages, otherwise all 3M disposable respiratory products are non-reusable.

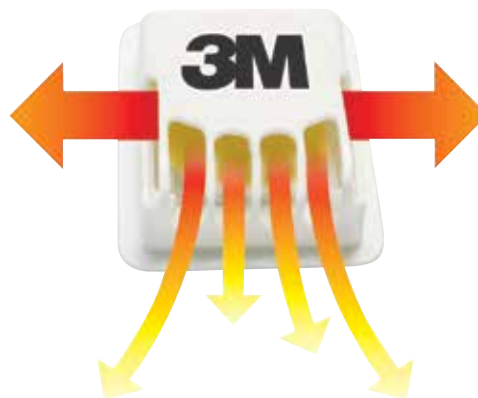
STEP TWO Choose a valved or unvalved respirator

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

		FFP1		FFP2		FFP3
		Unvalved	Valved	Unvalved	Valved	Valved
Premium	Cup-Shaped	-	-	-	8825	8835
	Flat-Fold	-	-	-	Aura 9422+	Aura 9432+
Comfort	Cup-Shaped	8310	8312	8320	8322	8833
	Flat-Fold	Aura 9310+	Aura 9312+	Aura 9320+	Aura 9322+	Aura 9332+
Classic	Cup-Shaped	8710	8812	8810	8822	-
	Flat-Fold	K101	K111	K102	K112	K113
Welding	Cup-Shaped	-	-	-	9925, 9928	-
Speciality	Cup-Shaped	9906, 9913, 9915	9914	-	9922, 9926	-

Classic Range

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



Available as:



FFP1

3M™ 8710 Cup-Shaped Particulate Respirator
Unvalved
Classification: EN 149:2001
FFP1 NR D APF 4



FFP2

3M™ 8810 Cup-Shaped Particulate Respirator
Unvalved
Classification: EN 149:2001
FFP2 NR D APF 10



FFP1

3M™ 8812 Cup-Shaped Particulate Respirator
Valved
Classification: EN 149:2001
FFP1 NR D APF 4



FFP2

3M™ 8822 Cup-Shaped Particulate Respirator
Valved
Classification: EN 149:2001
FFP2 NR D APF 10

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
- **Exhalation valve** offers improved comfort in hot and humid environments and/or where work is physical
- **Coloured noseclip** for easy identification

Available as:



FFP1

3M™ K111 Particulate Respirator
Valved
FFP1 NR D APF 4



FFP2

3M™ K112 Particulate Respirator
Valved
FFP2 NR D APF 10



FFP3

3M™ K113 Particulate Respirator
Valved
FFP3 NR D APF 20



FFP1

3M™ K101 Particulate Respirator
Unvalved
FFP1 NR D APF 4



FFP2

3M™ K102 Particulate Respirator
Unvalved
FFP2 NR D APF 10

K102 and K113
also available
individually
wrapped



Comfort Range - Cup-Shaped

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™ 8312
Particulate Respirator
 Valved
 FFP1 NR D APF 4



FFP2
3M™ 8322
Particulate Respirator
 Valved
 FFP2 NR D APF 10



FFP3
3M™ 8833
Particulate Respirator
 Valved
 FFP3 D APF 20
R rated



FFP1
3M™ 8310
Particulate Respirator
 Unvalved
 FFP1 NR D APF 4



FFP2
3M™ 8320
Particulate Respirator
 Unvalved
 FFP2 NR D APF 10



Comfort Range - Flat-Fold

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

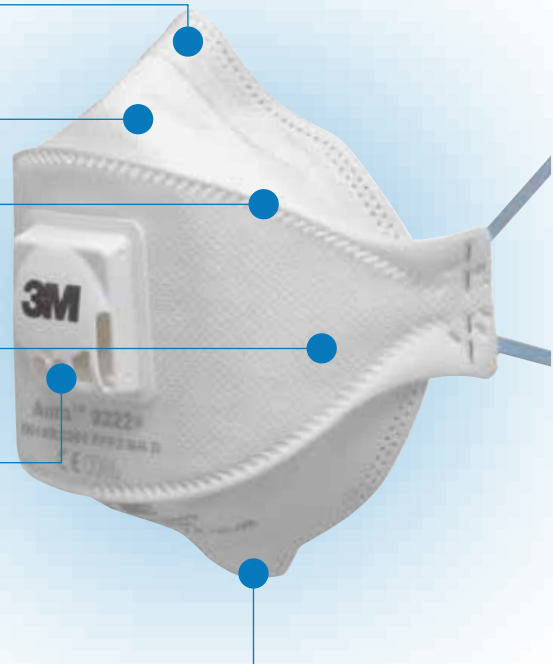
- Effectively removes heat build-up for a cooler and more comfortable wear
- Minimises the risk of misting eyewear
- Available on 3M™ Aura™ 9312+, 9322+ and 9332+ Disposable Respirators only

Innovative Chin Tab

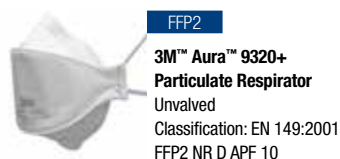
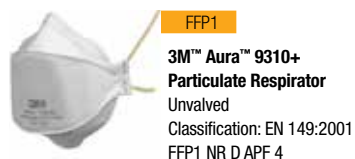
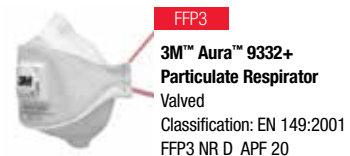
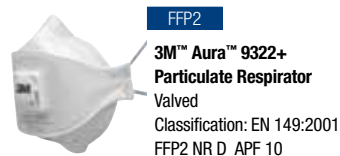
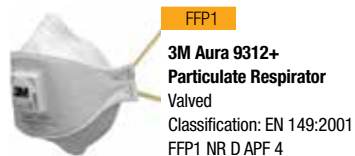
- To improve ease of fitting

Individual Packaging

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



Available as:



For more information on the 3M Aura 9300+ Series visit www.3M.co.uk/Aura9300plus



Premium Range

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

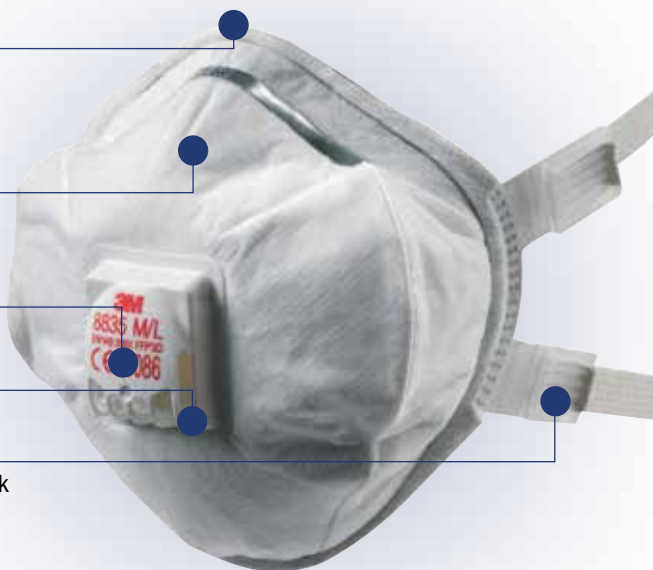
Colour Coded Valve Lettering

- 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



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

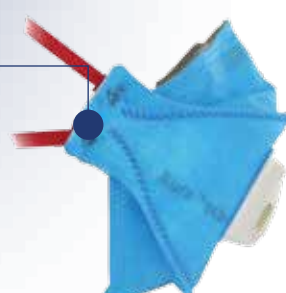
Conspicuous Colour

- 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

Speciality Range



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

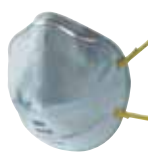
- Provides protection against nuisance level organic vapours (below WEL)

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



FFP1

3M™ 9913 Speciality Particulate Respirator

Unvalved
Classification:
EN 149:2001 FFP1 NR D
APF 4
Protection: Dust/Mist/Nuisance
Level Organic Vapour



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



FFP1

3M™ 9915 Speciality Particulate Respirator

Unvalved
Classification:
EN 149:2001 FFP1 NR D
APF 4
Protection: Dust/Mist/Nuisance
Level Acid Gas



FFP2

3M™ 9922 Speciality Particulate Respirator

Valved
Classification:
EN 149:2001 FFP2 NR D
APF 10
Protection: Nuisance Level
Organic Vapour and
Ozone Relief

Welding Fume Range

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)

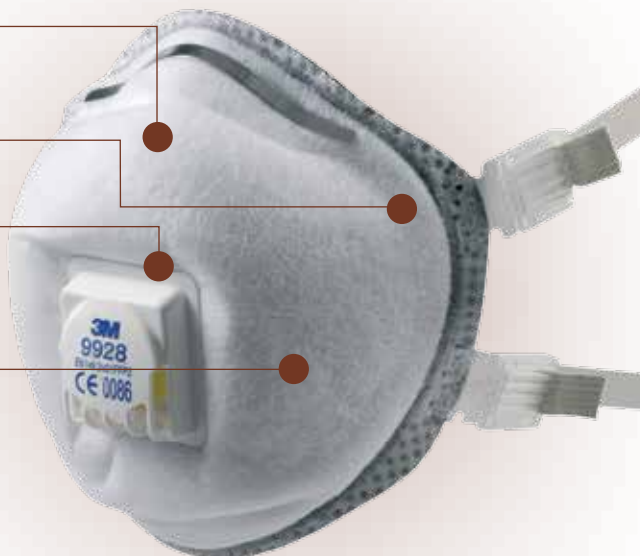
- Can be hygienically cleaned (use 3M™ 105 Face Seal cleaner)

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)



Available as:



FFP2
3M 9925 Welding Particulate Respirator
Valved
Classification: EN 149:2001
FFP2 NR D APF 10
Protection: Dust/Mist/Ozone/
Nuisance level odours



FFP2
3M 9928 Welding Particulate Respirator
Valved
Classification: EN 149:2001
FFP2 R D APF 10
Protection: Dust/Mist/Ozone/
Nuisance level odours
 R rated



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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