

uvex



uvex silv-Air c

Filtering face masks

protecting people

uvex-safety.com.sg

Manufacturing and design expertise

uvex design and technology

The true wearability of PPE is when two or more items are worn together.

Our decades of experience in developing and producing personal protective equipment across multiple product groups allows uvex to combine expertise and deliver integrated design concepts that ensure the wearability and compatibility of our PPE.

This is certainly true when it comes to combining eyewear and respiratory protection. The mask designs have been influenced by uvex safety eyewear to ensure they fit and work together to provide uncompromised protection levels and enhanced performance. Together these two cost effective solutions deliver an unmistakable partnership – after all, if PPE works and is comfortable, it's more likely to get worn.

Our development has also allowed us to design our RPE to achieve the best possible fit which in turn provides extremely high results when it comes to face fit testing

Taking the example of the uvex sportstyle and uvex silv-Air c 3310 folding face mask opposite*, the combination of the two products works as follows:

* Alternative spec or goggle and mask options are available.



The spectacle lens sits outside of the mask ensuring no downward pressure dislodging the mask position.



The 3D preformed mask shape gives an exceptional mask/face seal and the lens curvature reduces any gap between the eyes and the spectacle.



Feather-light with a weight of only 23 grams uvex sportstyle are significantly lighter than conventional safety spectacles giving optimised optical clarity and no pressure when wearing both products.



The uvex sportstyle boasts an adjustable nose piece and soft anti-slip ear pieces (uvex duo component technology) ensuring a pressure-free fit. The wearer is able to maintain the exact position of the spec and mask even during strenuous tasks.



The low profile headband and ultra lightweight thin spectacle arm combination enhances compatibility with other items of PPE such as ear defenders and helmets.



uvex unique anti-fog lens coating keeps the lens fog-free particularly during strenuous activity when body heat can intensify while wearing a mask. Applied to both sides of the lens.

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Product code 9193080
uvex sportstyle

Product code 8733310
uvex silv-Air c 3310

uvex silv-Air c

An overview of breathing protection classes

Breathing Protection

Exposure to chemicals, fumes, dusts and fibres at work can, under some circumstances, have a detrimental effect on health. Known as 'hazardous substances', exposure if not properly controlled, may cause immediate and long-term health problems.

Having completed a COSHH risk assessment (Control of Substances Hazardous to Health Regulations 2002) to ascertain respiratory protective equipment (RPE) is required, employers or those that are self-employed have a legal responsibility to ensure that the RPE is both **adequate** and **suitable** for the work being carried out.

- **Adequate** - RPE is right for the hazard and reduces exposure to the level required to protect the wearer's health.
- **Suitable** - RPE is right for the wearer, task and environment, such that the wearer can work freely and without additional risks due to the RPE.

The Health and Safety Executive (HSE) have produced a guide to help you select the correct RPE and manage its use in your workplace. For more information visit: <https://www.hse.gov.uk/>

It is important to remember that when it comes to RPE, one size does not fit all. RPE is available in different sizes to ensure that the sealing surface of the respirator matches different facial features. Gender, ethnicity, build and many other factors mean that one size of facepiece will not fit everyone.

Types of RPE

There are two main types of RPE:

- **Respirators** - (particle filtering face masks) - use filters to remove contaminants from the air being breathed in, and
- **Breathing Apparatus** - the supply of breathing-quality air from an independent source (e.g. air cylinder or air compressor)

uvex only offers disposable particle filtering face masks.

How particle-filtering face masks work

Particle-filtering face masks offer effective protection against dust, mist, smoke and microorganisms from the air flowing through them.

The densely woven filter fabric prevents solid and liquid particles (mists, fine sprays and aerosols) from passing through and the internal layers are electrostatically charged to ensure that hazardous materials adhere to them and cannot be inhaled.

Respirators are given an 'assigned protection factor' or APF classification to help the wearer select the right level of protection provided they are fitted and used correctly.



uvex silv-Air c

High performance filter, low breathing resistance technology

Assigned protection factors:

There are 3 different classes of respirator, colour coded to make selection easier:

	FFP1 Respirators	FFP2 Respirators	FFP2 Carbon Layered Respirators	FFP3 Respirator
Assigned Protection Factor APF	APF 4	APF 10	APF 10	APF 20
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)	Options for metal fume, ozone and nuisance levels of certain gases and vapours	Higher level fine dust/ oil or water based mists (hazardous pharmaceutical powders, biological agents and fibres)
Easy Identification	Identified by blue lettering on the mask	Identified by orange lettering on the mask		Identified by black lettering on the mask

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.

Employers should make sure the selected RPE is of the right size and can correctly fit the wearer. For tight-fitting facepieces the initial selection should include a fit test. For more information, turn to the back page.

Comfort and Fit

The many design features of the uvex silv-Air c range have been developed with the wearers comfort in mind. These include:

- field of vision
- design and materials
- size, weight and balance
- compatibility with other PPE
- pressure points
- ease of adjustment and secure fitting
- heat and moisture build up, and
- breathing resistance



Depending on the model, the soft foam or PE sealing lip allows the wearer to achieve a customised seal without risk of leakage.

Breathing resistance

The carefully chosen combination of highly functional filter materials and the uvex fine-dust filter technology ensures that the individual layers ‘clog up’ at a slower rate offering maximum protection and making breathing easier.

The exhalation valve with an ultra thin membrane is ideally situated for maximum efficiency and increased speed of opening and closing. This supports the easy transfer of humidity and reduced breathing resistance helping to improve the internal mask climate.

All products have successfully passed the penetration test under controlled temperature conditions in accordance with EN 149.

The ‘D’ symbol is defined by the absorption (7.17) of dolomite dust in the EN 149 standard.

All products carry the ‘D’ symbol, which confirms that the masks can absorb high volumes of materials with only a minimum increase in breathing resistance.

In addition, the masks meet the highest international standards: NIOSH, AUS/NZ, SABS & GOST certified.

uvex silv-Air c

Protection class FFP2 filtering face masks

FFP 2

- The innovative ori-nasal design of the nose bridge and the soft seal contours to any facial shape
- Soft material edges for greater comfort and wearer acceptance
- Seamless headband for a comfortable, secure fit
- Exhalation valve for easy airflow exchange which reduces the build-up of heat and moisture inside the mask
- Adjustable nose clip ensures an excellent individual fit
- Mask fulfils the requirements of the dolomite dust test
- Design ensures a compatible fit with uvex eyewear
- Upper face seal offers both secure positioning and comfort
- Activated carbon filter, suitable for welding applications available in the FFP2 (silv-Air c 2220) option

Product code 8732210
uvex silv-Air c 2210

Seamless headband
can be adjusted for an optimum fit.

Exhalation valve
with a 360° opening ensures very low breathing resistance and a cooling effect climate inside the mask.

Adjustable nose clip
ensures an excellent individual fit and secure positioning.

Upper face seal
offers both a more secure positioning of the mask and increased wearer comfort.

uvex silv-Air c

Protection class FFP 2 filtering face masks // **APF 10**



FFP 2



FFP 2

uvex silv-Air 3200 // 3210

- particle-filtering folding mask
- seamless headband and flexible, adjustable nose clip
- comfortable sealing lip in nose area for secure fit
- 3210: exhalation valve for reducing heat and humidity as well as noticeably reducing breathing resistance

uvex silv-Air 3200		
Art. no.	8733200	8753200
Version	FFP 2 NR D folding mask without valve	
Colour	white	
Order quantity multiple/	30 PC	BG
Order unit		
Content	30 PC, individually packed in BOX 3 PC, individually packed in BG	

uvex silv-Air 3210		
Art. no.	8733210	8753210
Version	FFP 2 NR D folding mask with valve	
Colour	white	
Order quantity multiple/	15 PC	BG
Order unit		
Content	15 PC, individually packed in BOX 3 PC, individually packed in BG	

uvex silv-Air 3220

- particle-filtering folding mask with exhalation valve
- additional activated carbon filter against odours, gases and vapours below threshold
- seamless headband and flexible, adjustable nose clip
- comfortable sealing lip in nose area for secure fit
- exhalation valve for reducing heat and humidity as well as noticeably reducing breathing resistance

uvex silv-Air 3220		
Art. no.	8733220	
Version	FFP2 NR D folding mask with valve and carbon	
Colour	silver	
Order quantity multiple/	15 PC	
Order unit		
Content	15 PC, individually packed in BOX	



FFP 2

8752200

8752210



FFP 2

2220

uvex silv-Air 2200 // 2210

- particle-filtering preformed mask
- seamless headband and flexible, adjustable nose clip for a comfortable, secure fit
- comfortable sealing lip in nose area for secure fit
- 2210: exhalation valve for reducing heat and humidity as well as noticeably reducing breathing resistance

uvex silv-Air 2200		
Art. no.	8732200	8752200
Version	FFP 2 NR D preformed mask without valve	
Colour	white	
Order quantity multiple/	20 PC	BG
Order unit		
Content	20 PC, packed in BOX 3 PC, packed in BG	

uvex silv-Air 2210		
Art. no.	8732210	8752210
Version	FFP 2 NR D preformed mask with valve	
Colour	white	
Order quantity multiple/	15 PC	BG
Order unit		
Content	15 PC, packed in BOX 3 PC, packed in BG	

uvex silv-Air 2220

- particle-filtering preformed mask with exhalation valve
- additional activated carbon filter against odours, gases and vapours below threshold
- Seamless headband and flexible, adjustable nose clip for a comfortable, secure fit
- comfortable sealing lip in nose area for secure fit
- exhalation valve for reducing heat and humidity as well as noticeably reducing breathing resistance

uvex silv-Air 2220		
Art. no.	8732220	
Version	FFP 2 NR D preformed mask with valve and carbon	
Colour	silver	
Order quantity multiple/	15 PC	
Order unit		
Content	15 PC, packed in BOX	

uvex silv-Air c

Protection class FFP3 filtering face masks // APF 20

FFP 3



Product code 8733310
uvex silv-Air c 3310

uvex silv-Air c FFP3 filtering pre-formed face mask

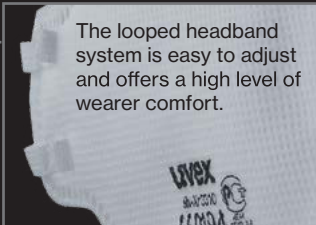
- The innovative ori-nasal design of the nose bridge and the soft seal contours to any facial shape
- Soft material edges for greater comfort
- 4-point headband for a comfortable, secure fit
- Exhalation valve for easy airflow exchange which reduces the build-up of heat and moisture inside the mask
- Adjustable nose clip to ensure an excellent individual fit
- Mask fulfils the requirements of the dolomite dust test
- Compatible with uvex safety eyewear
- Soft all-round sealing lip for a secure fit and high level of wearer comfort

uvex silv-Air c FFP3 filtering folding face mask

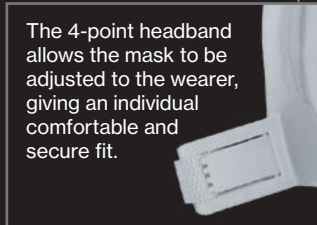
- The innovative ori-nasal design of the nose bridge and the soft seal contours to any facial shape
- Soft material edges for greater comfort
- Exhalation valve for easy airflow exchange which reduces the build-up of heat and moisture inside the mask
- Adjustable nose clip to ensure an excellent individual fit
- Mask fulfils the requirements of the dolomite dust test
- Compatible with uvex safety eyewear
- The soft foam sealing lip reduces the risk of leakage and promotes a proper fit



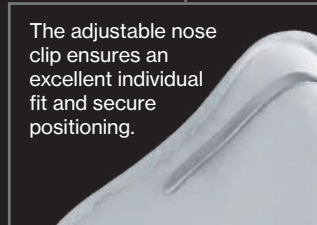
Product code 8732310
uvex silv-Air c 2310



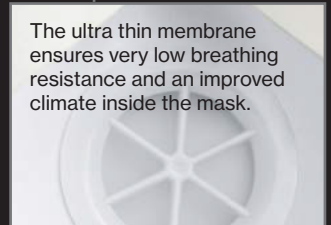
The looped headband system is easy to adjust and offers a high level of wearer comfort.



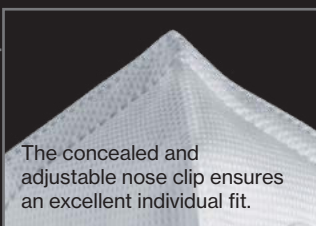
The 4-point headband allows the mask to be adjusted to the wearer, giving an individual comfortable and secure fit.



The adjustable nose clip ensures an excellent individual fit and secure positioning.



The ultra thin membrane ensures very low breathing resistance and an improved climate inside the mask.



The concealed and adjustable nose clip ensures an excellent individual fit.



The soft material edges prevent uncomfortable pressure points.



The complete all-round sealing lip improves both the positioning and comfort.

uvex silv-Air c

Protection class FFP 3 filtering face masks // **APF 20**



FFP 3

Product code 8733310

uvex silv-Air c 3310

- Particle-filtering folding mask with exhalation valve
- Adjustable headband and flexible, adjustable nose clip for a comfortable, secure fit
- Comfortable, all-around sealing lip for secure fit
- Exhalation valve to further reduce breathing resistance, by helping to minimise moisture build up inside the mask

uvex silv-Air c 3310	
Product code	8733310
Version	FFP3 NR D folding mask with valve
Colour	white
Order quantity	15 PC
Content	15 PC, individually packed in BOX



FFP 3

Product code 8732310

uvex silv-Air c 2310

- Particle-filtering preformed mask with exhalation valve for **larger face shapes**
- Four-point headband attachment and flexible, adjustable nose clip for a comfortable, secure fit
- Very soft, all-around sealing lip for optimal wearer comfort and secure fit
- Exhalation valve to further reduce breathing resistance, by helping to minimise moisture build up inside the mask

uvex silv-Air c 2310	
Product code	8732310
Version	FFP3 NR D preformed mask with valve – large version
Colour	white
Order quantity	15 PC
Content	15 PC, packed in BOX



FFP 3

Product code 8732312

uvex silv-Air c 2312

- Particle-filtering preformed mask with exhalation valve – ergonomically adapted for **smaller to medium-sized face shapes**
- Four-point headband attachment and flexible, adjustable nose clip for a comfortable, secure fit
- Very soft, all-around sealing lip for optimal wearer comfort and secure fit
- Exhalation valve to further reduce breathing resistance, by helping to minimise moisture build up inside the mask

uvex silv-Air c 2312	
Product code	8732312
Version	FFP3 NR D preformed mask with valve – small version
Colour	white
Order quantity	15 PC
Content	15 PC, packed in BOX