



**Breathing Protection**

Sustainability at uvex safety

# protecting planet



For over 90 years, we have been producing and distributing high-quality products to protect people in sports, leisure and at work. Any company wanting to protect people must accept the responsibility that comes with it.

In the field of respiratory protection, we work on improving the fit and increasing the level of sustainable materials used. A good example of this is the **uvex silv-Air 2310 planet**. Thanks to its flexible nose clip and soft sealing lip, it offers excellent wearer comfort and a secure fit. The valve reduces heat and moisture and is made from 95% recycled ABS, while the headband attachment is made entirely from recycled PP. The product has an overall recycled content of 26.5%. Its carbon footprint is 0.18 kg CO<sub>2</sub>e (05/2023).

**4 hexagons**  
increased  
transparency  
about the product



**Material**

Products featuring this symbol contain bio-based materials, materials that can be composted at home or recycled materials. Recycled materials covers both post-consumer recycling materials (PCR) and post-industrial recycling materials (PIR).



**Packaging**

Product packaging featuring this symbol is made of, for example, 100% recycled materials or materials that can be composted at home.



**Circular economy**

Products featuring this symbol are, for example, designed to last for a particularly long time, recyclable, intended to be used a second time or able to be repaired.



**Carbon footprint**

We calculate the product-specific greenhouse gas emissions using the methods set out in the ISO 14067 standard.

**Calculation method:** IPCC 2021 GWP100 (based on ISO 14067); SimaPro with ecoinvent database; Scope: Cradle-to-Customer; The CO<sub>2</sub> values provided were valid at the time of calculation and may be subject to change due to database or methodology updates.



See here for more detailed information:  
[uvex-safety.com/en/uvex-safety-group/sustainability/goals/](https://uvex-safety.com/en/uvex-safety-group/sustainability/goals/)





Following our motto **protecting planet**, the focus in the respiratory protection product group is also on sustainability. For single-use products with high consumption rates in particular, improvements in the carbon footprint play a decisive role.

# uvex respiratory protection

95%  
recycled  
ABS  
valve



100%  
recycled PP  
headband  
attachment



Combining our expertise with long-standing partner suppliers



uvex harmful substance management has stricter guidelines than required by law

30.2%  
recycled  
materials content  
across the respiratory  
protection product  
group



Sustainable cartons made from more than 80% recycled paper

100%  
recycled materials  
for all plastic parts



ISO 14001  
and ISO 9001  
certified



All suppliers use solar energy



Both in our own product development and when working together with our long-standing partners, we continuously analyse and research how even more components of uvex respirators can be made in a more sustainable way.

# EN149:2001+A1:2009

## Respiratory protective devices – filtering half-masks for protection against particles

All uvex respirators are tested and approved in accordance with the **European standard 149**. This standard sets out a wide range of requirements for respirators, with the aim of providing the user with the highest level of protection and comfort.

The key tests defined in EN149 are:

- measuring inhalation and exhalation resistance
- testing the exhalation valve
- visual inspection (marking, instructions for use)
- determining the filtering efficiency (protection class)
- optional: carrying out the dolomite dust test

Detailed information about the standards and guidelines for respiratory protection is available at:

<https://www.uvex-safety.com/en/>



### The standard divides respirators into three protection classes according to their filtering efficiency and leakage:

<b>FFP 1</b>
FFP1 respirators have a filtering capacity of at least 80% and filter up to four times the respective occupational exposure limit (OEL*). These masks are suitable for particles that are neither toxic nor fibrogenic.
<b>FFP 2</b>
FFP2 respirators are suitable for smoke, particles and dusts that are noxious or harmful to health. They filter at least 94% of particles and can be used up to ten times the respective occupational exposure limit (OEL*).
<b>FFP 3</b>
With a filtering efficiency of at least 99%, FFP3 masks constitute the highest protection class. They filter up to 30 times the respective occupational exposure limit (OEL*) and are suitable for protecting against toxic particles, dusts and smoke.



So that you can see the protection class at a glance, the marking is **blue** on FFP1 masks, **orange** on FFP2 masks and **black** on FFP3 masks.



In addition to the standard tests, all uvex masks fulfil the additional requirement of the dolomite dust test and are therefore marked with the letter D. Therefore the uvex respiratory protection products ensure an excellent breathability, even in extremely dusty environments and during prolonged use.

All uvex respirators are in line with current EU legislation. All respiratory protective devices fall into PPE category III (high risks).

\* OELs = The occupational exposure limit values (OELs) are the average concentration of a substance in the air in the workplace, up to which no damage (chronic or acute) is to be expected if employees work there for eight hours a day for five days a week. The OELs replace the maximum workplace concentration (MWC) and the technical reference concentration (TRC) – however, as long as both of these values are not yet fully taken into account in the OELs, they can still be used on an interim basis for assessing risks in the workplace.

# The uvex breathing protection navigator

## The fast route to finding the right respirator for your needs

Choosing the right respiratory protective devices is essential for ensuring the safety of the respective wearer and is a process that requires the utmost care. In order to choose the filtering respirator that meets your requirements, please observe the following points:



- the type, composition and concentration of the hazardous substances must be provided/known (note the CAS number and OEL). The measurement can be carried out by the employers' liability insurance association, for example. The minimum requirements for selected areas of application can be found on the next page.
- after determining the protection class required (FFP1, FFP2 or FFP3), the following table can be used to select a respirator model that meets the requirements of the respective work conditions.
- there must be a sufficient volume of oxygen in the environment. Please observe the statutory regulations in this regard. A minimum of 17 vol% is required in Germany.
- if further PPE is required, this must be compatible. uvex respirators are ideal for use in combination with uvex safety spectacles – see the compatibility table on page 177.
- respiratory protective devices are not suitable for people with beards, sideburns or deep scars near the respirator sealing lines as these prevent a secure fit. Please contact your safety officer for a custom solution.
- Masks marked "NR" should not be used for more than eight hours. Masks marked "R" may be used for up to 24 hours but must be cleaned after each period of use. Masks should be replaced without delay if the breathing resistance becomes noticeably higher.
- if a half-mask with gas filters is required for the workspace, please note that the uvex respirator models do not offer adequate protection.



### Selection

Brief periods of use or lighter activities at normal ambient temperatures		
Protection class	Folding mask (with or without valve)	Cup-style mask (without or without valve)
FFP1	3100, 3110, 5100, 5100+, 5110, 5110+	2100, 2110
FFP2	3200, 3210, 5200, 5200+, 5210, 5210+	2200, 2210, 7212
FFP3	3310, 8313, 5310, 5310+	2310, 2312
Long periods of wear or hard, strenuous activities at increased ambient temperatures		
Protection class	Folding mask (with valve)	Cup-style mask (with valve)
FFP1	3110, 5110, 5110+	2110
FFP2	3210, 5210, 5210+	2210, 7212, 7233, 7232
FFP3	3310, 8313, 5310, 5310+	2310, 2312, 7333, 7330, 7312, 7317
With activated carbon layer to protect against unpleasant odours		
Protection class	Folding mask (with valve)	Cup-style mask (with valve)
FFP1	-	-
FFP2	3220, 5220+	2220
FFP3	5320+	2320, 2322

► The minimum requirements for selected areas of application can be found on page 178.

uvex silv-Air  
Areas of application



Activity	Harmful substances	Protection class		
		FFP1	FFP2	FFP3
Wood processing				
Softwood: cutting and sanding	Fine particles, wood dust		■	
Hard wood (oak, beech, tropical woods, etc.): cutting and sanding	Fine particles, wood dust			■
Brushing/sanding paint	Fine colour particles		■	
Brushing/sanding paint (paints containing chrome)	Fine colour particles			■
Soluble paints containing copper/chrome/arsenic	Fine paint mist			■
Construction and ancillary building industry				
Cement work, plastering, tiling, roofing	Cement, plaster, tile or brick dust		■	
Masonry: cutting, drilling, demolition			■	
Asbestos: short periods of work	Fibres			■
Roof insulation: glass and mineral fibres	Dust and fibres		■	
Bodyfillers/stopper: Grinding	Dust		■	
Welding				
Welding aluminium and stainless steel	Metal and aluminium oxide fumes			■
Brazing	Fumes			■
Metalwork				
Metal: drilling, grinding, milling, angle grinding	Metal dust		■	
High-alloy steels and stainless steels: drilling, grinding, milling, angle grinding	Metal dust			■
Waste disposal and cleaning				
Refuse separation and disposal	Dust, fungi		■	
Medical waste disposal	Bacteria, spores			■
Sweeping floors	Dust (non-toxic)	■		
Radioactively contaminated particles	Dust			■
Agriculture				
Animal epidemics and treatment of animals with diseases	Bacteria, viruses			■
Work with fungal spores	Spores			■
Work with hay, grain and flour	Dust	■		
Medicine/care/health				
Allergies, pollen, household dust, animal fur	Dust, particles, spores		■	
Bacteria, viruses, infections, legionella bacteria	Bacteria, viruses			■

► These filter classes are minimum requirements and simply serve as a guide. It is the wearers' responsibility to make sure the breathing apparatus conforms to the requirements in terms of hazardous materials and concentration before use!

# Perfect Match

Combination options of uvex silv-Air respirators with uvex safety eyewear



uvex silv-Air c	Page	Folding masks FFP-1, FFP-2, FFP-3	Preformed masks FFP-1, FFP-2, FFP-3	Preformed masks FFP-2, FFP-3	Folding masks FFP-1, FFP-2, FFP-3	Folding masks FFP-1, FFP-2, FFP-3
	180 - 183	3100, 3110, 3200, 3210, 3220, 3310		2310, 2312, 2320, 2322		2100, 2110, 2200, 2210, 2220
uvex ultrashield	40	■	□	□	□	□
uvex pheos nxt	43	■	■	■	■	■
uvex i-lite	44	■	■	■	□	■
uvex i-guard / uvex i-guard +	44	□	■	■	□	■
uvex suXceed	45	■	□	□	■	■
uvex i-5	46	■	□	□	□	■
uvex x-fit	47	■	■	■	■	■
uvex sportstyle	48	■	■	□	■	■
uvex pheos cx2	49	■	□	□	□	■
uvex pheos	50	■	■	□	■	■
uvex i-3	52	■	□	□	□	■
uvex i-works	55	■	□	□	□	■
uvex astrospec 2.0	57	■	□	□	■	■
uvex OTG plus	60	■	■	■	■	■
uvex super OTG / uvex super f OTG	62 / 63	■	■	■	■	■
uvex hypervision	64	■	■	■	■	■
uvex megasonic	66	■	□	□	■	■
uvex pheos cx2 sonic	67	■	■	■	■	■
uvex ultrasonic	68	■	■	■	■	■
uvex ultravision	70	■	■	■	■	■

These recommendations are based on experience. We recommend always carrying out wearability tests.

■ Perfect combination

□ Suitable to a limited extent



# uvex silv-Air c

Respirators in protection class FFP1, FFP2 and FFP3



- more sustainable mask family: the valve and headband attachment on all models are partly made of recycled material
- soft material edges for greater comfort and wearer acceptance
- continuous textile headband ensures that the mask fits comfortably and securely
- optional: exhalation valve to reduce heat and humidity in the mask
- sealing lip (in the nose area for FFP1 and FFP2, all-round for FFP3) and nose clip provide maximum protection and comfort
- FFP2 and FFP3 models against unpleasant odours available (2220, 3220, 2320, 2322)
- FFP3 preformed masks are available in two sizes and also have a four-point headband attachment



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



The soft material edges prevent uncomfortable pressure points.



The seamless headband can be adjusted for an optimum fit.



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



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

		uvex silv-Air c											
		FFP 1		FFP 2			FFP 3						
style	flatfold												
	cup style												
		3100 NR D	3110 NR D	3200 NR D	3210 NR D	3220 NR D with carbon	3310 NR D						
		2100 NR D	2110 NR D	2200 NR D	2210 NR D	2220 NR D with carbon	2310 NR D	2310 planet	2312 NR D	2320 NR D with carbon	2322 NR D with carbon		

## uvex silv-Air c

Filtering face masks, protection class FFP 1



8763100  
8743100



8763110  
8743110

### uvex silv-Air 3100 // 3110

- particle-filtering folding mask
- seamless headband and flexible, adjustable nose clip
- comfortable sealing lip in nose area for secure fit

- 3110: exhalation valve for reducing heat and humidity as well as noticeably reducing breathing resistance



uvex silv-Air 3100		
<b>Art. no.</b>	8763100	8743100
<b>Version</b>	FFP 1 NR D folding mask without valve	
<b>Colour</b>	white	
<b>Order quantity multiple/</b>	BOX	BG
<b>Order unit</b>		
<b>Content</b>	30 PC, individually packed in BOX	3 PC, individually packed in BG

uvex silv-Air 3110		
<b>Art. no.</b>	8763110	8743110
<b>Version</b>	FFP 1 NR D folding mask with valve	
<b>Colour</b>	white	
<b>Order quantity multiple/</b>	BOX	BG
<b>Order unit</b>		
<b>Content</b>	15 PC, individually packed in BOX	3 PC, individually packed in BG



8762100  
8742101



8762110  
8742111

### uvex silv-Air 2100 // 2110

- particle-filtering preformed mask
- seamless headband and nose clip for a comfortable, secure fit
- comfortable sealing lip in nose area for secure fit

- 2110: exhalation valve for reducing heat and humidity as well as noticeably reducing breathing resistance

uvex silv-Air 2100		
<b>Art. no.</b>	8762100	8742101
<b>Version</b>	FFP 1 NR D preformed mask without valve	
<b>Colour</b>	white	
<b>Order quantity multiple/</b>	BOX	BG
<b>Order unit</b>		
<b>Content</b>	20 PC, packed in BOX	3 PC, packed in BG

uvex silv-Air 2110		
<b>Art. no.</b>	8762110	8742111
<b>Version</b>	FFP 1 NR D preformed mask with valve	
<b>Colour</b>	white	
<b>Order quantity multiple/</b>	BOX	BG
<b>Order unit</b>		
<b>Content</b>	15 PC, packed in BOX	3 PC, packed in BG

# uvex silv-Air c

Filtering face masks, protection class FFP 2



8763200  
8743200

8763210  
8743210

How-to-use video



8763220

## 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.	8763200	8743200
Version	FFP 2 NR D folding mask without valve	
Colour	white	
Order quantity multiple/	BOX	BG
Order unit		
Content	30 PC, individually packed in BOX 3 PC, individually packed in BG	

uvex silv-Air 3210		
Art. no.	8763210	8743210
Version	FFP 2 NR D folding mask with valve	
Colour	white	
Order quantity multiple/	BOX	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.	8763220
Version	FFP2 NR D folding mask with valve and carbon
Colour	silver
Order quantity multiple/	BOX
Order unit	
Content	15 PC, individually packed in BOX



8762200  
8742201

8762210  
8742211

How-to-use video



8762220

## 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.	8762200	8742201
Version	FFP 2 NR D preformed mask without valve	
Colour	white	
Order quantity multiple/	BOX	BG
Order unit		
Content	20 PC, packed in BOX 3 PC, packed in BG	

uvex silv-Air 2210		
Art. no.	8762210	8742211
Version	FFP 2 NR D preformed mask with valve	
Colour	white	
Order quantity multiple/	BOX	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.	8762220
Version	FFP 2 NR D preformed mask with valve and carbon
Colour	silver
Order quantity multiple/	BOX
Order unit	
Content	15 PC, packed in BOX

# uvex silv-Air c

Filtering face masks, protection class FFP 3



8763310  
8743311

## uvex silv-Air 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 for reducing heat and humidity as well as noticeably reducing breathing resistance

uvex silv-Air 3310		
Art. no.	8763310	8743311
Version	FFP3 NR D folding mask with valve	
Colour	white	
Order quantity multiple/	BOX	BG
Order unit		
Content	15 PC, individually packed in BOX	3 PC, individually packed in BG



8762310  
8742310

8762312  
8742312

How-to-use video



8762320  
8742320

8762322  
8742322

## uvex silv-Air 2310 // 2312

- 2310: particle-filtering preformed mask with exhalation valve for **larger face shapes**
- 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 for reducing heat and humidity as well as noticeably reducing breathing resistance

uvex silv-Air 2310		
Art. no.	8762310	8742310
Version	FFP3 NR D preformed mask with valve – large version	
Colour	white	
Order quantity multiple/	BOX	BG
Order unit		
Content	15 PC, packed in BOX	3 PC, packed in BG

uvex silv-Air 2312		
Art. no.	8762312	8742312
Version	FFP3 NR D preformed mask with valve – small version	
Colour	white	
Order quantity multiple/	BOX	BG
Order unit		
Content	15 PC, packed in BOX	3 PC, packed in BG

## uvex silv-Air 2320 // 2322

- 2320: particle-filtering preformed mask with exhalation valve for **larger face shapes**
- 2322: 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 for reducing heat and humidity as well as noticeably reducing breathing resistance
- additional activated carbon filter against odours, gases and vapours below threshold values

uvex silv-Air 2320		
Art. no.	8762320	8742320
Version	FFP3 NR D preformed mask with valve and carbon – large version	
Colour	silver	
Order quantity multiple/	BOX	BG
Order unit		
Content	15 PC, packed in BOX	3 PC, packed in BG

uvex silv-Air 2322		
Art. no.	8762322	8742322
Version	FFP3 NR D preformed mask with valve and carbon – small version	
Colour	silver	
Order quantity multiple/	BOX	BG
Order unit		
Content	15 PC, packed in BOX	3 PC, packed in BG



## uvex silv-Air Breathing protection Quick overview of product features

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The **360° exhalation valve** considerably reduces breathing resistance and build-up of heat and moisture in the mask.



The masks are **individually** packed and meet the highest standards of hygiene.



**Comfortable all-round sealing lip**  
The soft sealing lip guarantees a secure, comfortable sealed positioning of the mask.



**Carbon inside**  
The additional activated carbon layer incorporated in the filter material reduces unpleasant odours.



**Soft sealing lip in the nose and chin area** for a secure and comfortable fit.



The **3D nose area** ensures a comfortable fit, low leakage and prevents misting of uncoated eyewear.



**Comfortable sealing lip in the nose area**  
The soft sealing lip in the nose area guarantees a secure, pressure-free fit.



**High performance climate management**  
The mask offers extremely low breathing resistance due to the filter chambers connected with the inhalation valve. The climate management of the high performance mask guarantees optimum wearer comfort.



**Comfort nose clip**  
The mask is fitted with a high-quality nose clip making it individually adjustable.



**R labelling**  
The mask has been tested for reusability and has the required performance features for wearing during a second work shift.



**Metal-free**  
The mask is completely metal-free and is manufactured entirely of skin-tolerant materials.



**“NR” designation**  
The masks are not reusable and must therefore be disposed of after a work shift.



The **4-point headband attachment** allows an individual and secure fit, which can be perfectly adapted to meet the wearer's requirements.



**D labelling**  
The mask has undergone additional dolomite dust testing and therefore affords excellent breathability, even in extremely dusty environments and during longer periods of use.

# uvex silv-Air

## Overview

Art. no.	Name	Type	Features	Content per PU	PU per carton	Page
8742101	uvex silv-Air 2100, Retail	FFP1 preformed mask without valve		3 PC	20 bags	181
8742111	uvex silv-Air 2110, Retail	FFP1 preformed mask with valve		3 PC	20 bags	181
8742201	uvex silv-Air 2200, Retail	FFP2 preformed mask without valve		3 PC	20 bags	182
8742211	uvex silv-Air 2210, Retail	FFP2 preformed mask with valve		3 PC	20 bags	182
8742310	uvex silv-Air 2310, Retail	FFP3 preformed mask with valve		3 PC	20 bags	183
8742312	uvex silv-Air 2312, Retail	FFP3 preformed mask with valve		3 PC	20 bags	183
8742320	uvex silv-Air 2320 with carbon, Retail	FFP3 preformed mask with valve		3 PC	20 bags	183
8742322	uvex silv-Air 2322 with carbon, Retail	FFP3 preformed mask with valve		3 PC	20 bags	183
8743100	uvex silv-Air 3100, Retail	FFP1 folding mask without valve		3 PC	20 bags	181
8743110	uvex silv-Air 3110, Retail	FFP1 folding mask with valve		3 PC	20 bags	181
8743200	uvex silv-Air 3200, Retail	FFP2 folding mask without valve		3 PC	20 bags	182
8743210	uvex silv-Air 3210, Retail	FFP2 folding mask with valve		3 PC	20 bags	182
8743311	uvex silv-Air 3310, Retail	FFP3 folding mask with valve		3 PC	20 bags	183
8762100	uvex silv-Air 2100	FFP1 preformed mask without valve		20 PC	12 boxes	181
8762110	uvex silv-Air 2110	FFP1 preformed mask with valve		15 PC	12 boxes	181
8762200	uvex silv-Air 2200	FFP2 preformed mask without valve		20 PC	12 boxes	182
8762210	uvex silv-Air 2210	FFP2 preformed mask with valve		15 PC	12 boxes	182
8762220	uvex silv-Air 2220 with carbon	FFP2 preformed mask with valve		15 PC	12 boxes	182
8762310	uvex silv-Air 2310	FFP3 preformed mask with valve		15 PC	12 boxes	183
8762312	uvex silv-Air 2312	FFP3 preformed mask with valve		15 PC	12 boxes	183
8762320	uvex silv-Air 2320 with carbon	FFP3 preformed mask with valve		15 PC	12 boxes	183
8762322	uvex silv-Air 2322 with carbon	FFP3 preformed mask with valve		15 PC	12 boxes	183
8763100	uvex silv-Air 3100	FFP1 folding mask without valve		30 PC	12 boxes	181
8763110	uvex silv-Air 3110	FFP1 folding mask with valve		15 PC	12 boxes	181



# uvex silv-Air

## Overview

Art. no.	Name	Type	Features	Content per PU	PU per carton	Page
8763200	uvex silv-Air 3200	FFP2 folding mask without valve		30 PC	12 boxes	182
8763210	uvex silv-Air 3210	FFP2 folding mask with valve		15 PC	12 boxes	182
8763220	uvex silv-Air 3220 with carbon	FFP2 folding mask with valve		15 PC	12 boxes	182
8763310	uvex silv-Air 3310	FFP3 folding mask with valve		15 PC	12 boxes	183