

Breathing Protection

protecting planet

Product system planet series > Breathing Protection

uvex has developed the **protecting planet** icon, to help raise awareness of its commitment to achieving increased sustainability. Based on the brand claim, **protecting people**, our sustainable approach integrates three core interlinked pillars — **ecology, economy** and **social responsibility**, that are incorporated throughout the business to improve our sustainability performance.

This explains the comprehensive audit, measurement and evaluation management process uvex undertakes along the entire value chain to ensure its products are as sustainable as possible.

UVEX silv-Air 2310 planet



protecting planet

by using recycled material

- > valve made from 95 percent recycled ABS
- headband attachment made of 100 percent recycled PP
- recycled ABS made of components from e.g. the automotive industry or white goods
- recycled PP comes, for example, from used household appliances
- > total recycled content of the mask is 26.5 percent
- → significant improvement of the CO₂ footprint to 0.18 kg per mask



protecting planet

by using environmentallyfriendly packaging

Packaging

- polybag made of 30 percent recycled material
- cartons made from more than 80 percent recycled paper



uvex silv-Air 2310 planet

- particle-filtering preformed mask with exhalation valve for larger face shapes
- valve and four-point headband attachment partially made of recycled material, 26.5 percent of the total product is made from recycled content
- polybags made of 30 percent recycled material
- flexible, adjustable nose clip so that the mask fits comfortably and securely
- 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 planet	
Art. no.	8762313
Version	FFP3 NR D preformed mask with valve
Colour	white
Order quantity multiple/Order unit	BOX
Content	15 PC, individually packed in BOX

The uvex brand is our responsibility

We have been producing and selling high-quality products for the protection of people in sport, leisure and work for **over 90 years**. And if you want to protect people, **you have to take responsibility**.

It is precisely from this mission that our obligation derives to act in a **sustainable**, **social and socially-responsible** manner.

UVeX Breathing Protection

Following our motto **protecting planet**, sustainability is a major focus for the respiratory protection product group. For single-use products with high consumption in particular, **improvements in the CO₂ footprint** play a decisive role.

In addition to the inclusion of our more sustainable **FFP3 cup-style mask, the uvex silv-air 2310 planet**, we are also adapting all of our other product families.

The aim is to **make the entire range more sustainable** and, as part of this, we are converting all our models that have plastic parts to use recycled material.

We constantly analyse other components of the mask for optimisations in order to further expand the mission of protecting planet for greater sustainability in the product group.

The strict requirements for health and environmental protection are always on our minds:



uvex hazardous substances list

List of "banned hazardous substances" – compliance is ensured by regular monitoring from independent test institutes.



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://ures.uvex.de



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

FFP₁

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.

FFP₂

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*).

FFP3

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 167.

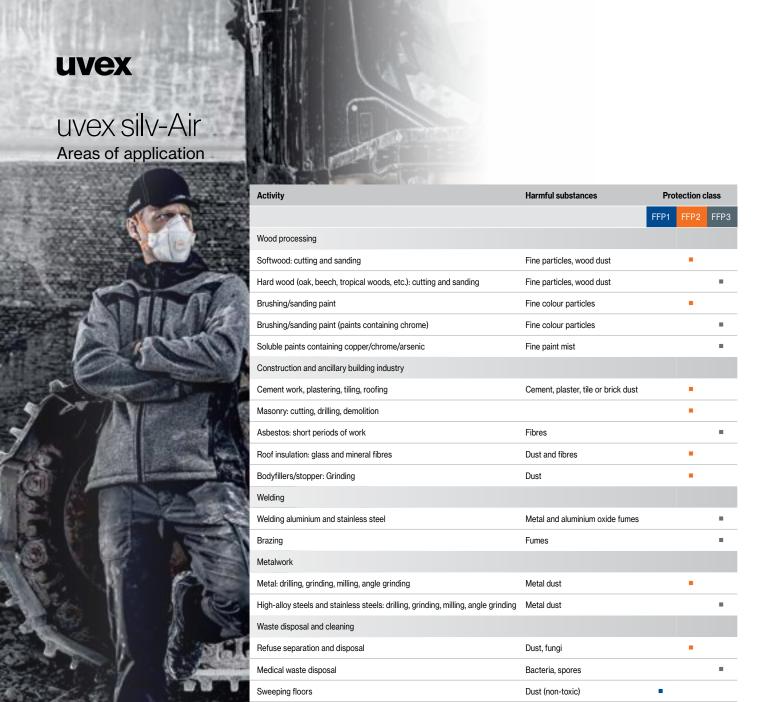
- respiratory protective devices are not suitable for people with beards, sideburns or deep scars near the respirator sealing lines as these prevent a secure fit. Please contact your safety officer for a custom solution.
- Masks marked "NR" should not be used for more than eight hours. Masks marked "R" 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

Priof parioda of usa ar light	or activities at normal ambient temperatures	
brief perious of use of lighte	er activities at normal ambient temperatures	
Protection class	Folding mask (with or without valve)	Cup-style mask (without or without valve)
FFP1	3100, 3110, 8103, 8113, 5100, 5100+, 5110, 5110+	2100, 2110, 7100, 7110
FFP2	3200, 3210, 8203, 8213, 5200, 5200+, 5210, 5210+	2200, 2210, 7200, 7210, 7212
FFP3	3310, 8313, 5310, 5310+	2310, 2312, 7310
Long periods of wear or har	d, strenuous activities at increased ambient temperature	es
Protection class	Folding mask (with valve)	Cup-style mask (with valve)
FFP1	3110, 8113, 5110, 5110+	2110, 7110
FFP2	3210, 8213, 5210, 5210+	2210, 7210, 7212, 7233, 7232
FFP3	3310, 8313, 5310, 5310+	2310, 2312, 7310, 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, 7220
FFP3	5320+	7320, 2320, 2322

▶ The minimum requirements for selected areas of application can be found on page 166.





Radioactively contaminated particles

Work with fungal spores

Medicine/care/health

Work with hay, grain and flour

Allergies, pollen, household dust, animal fur

Bacteria, viruses, infections, legionella bacteria

Animal epidemics and treatment of animals with diseases

Dust

Spores

Dust

Bacteria, viruses

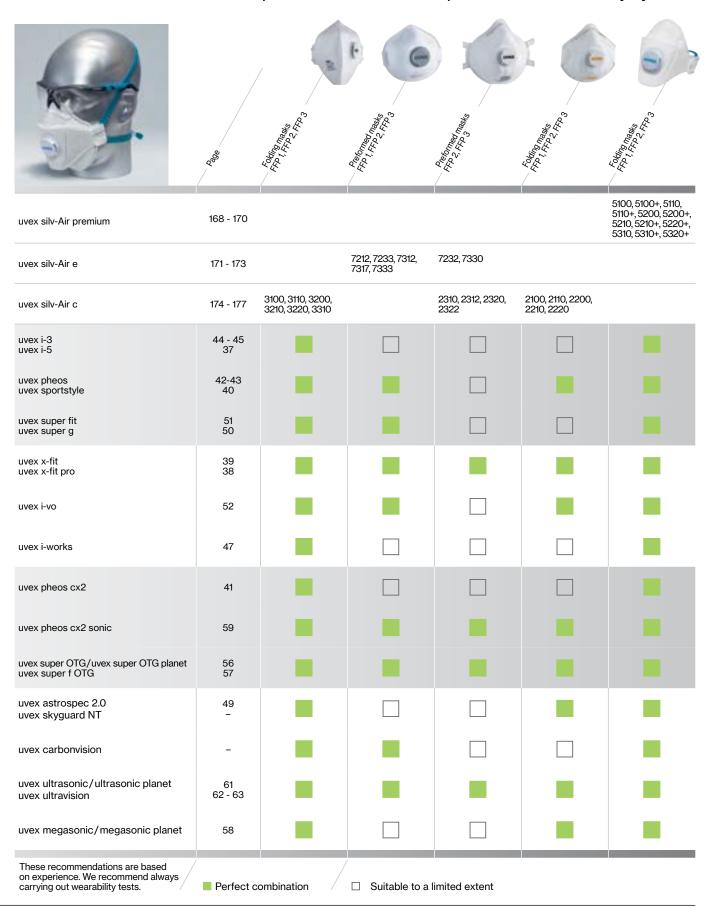
Dust, particles, spores

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

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

Filtering face masks, protection class FFP1





uvex silv-Air 3100 // 3110

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

8763100	8743100
FFP1 NR D folding mask without	valve
white	
BOX	BG
30 PC, individually packed in BOX	3 PC, individually packed in BG
	FFP1 NR D folding mask without white

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

uvex silv-Air 3110		
Art. no.	8763110	8743110
Version	FFP1 NR D folding mask with val	ve
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 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		
Art. no.	8762100	8742101
Version	FFP1 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 2110		
Art. no.	8762110	8742111
Version	FFP1 NR D preformed mask with	ı valve
Colour	white	
Order quantity multiple/	BOX	BG
Order unit		
Contont	15 DC packed in DOV	2 DC packed in DC



uvex silv-Air c

Filtering face masks, protection class FFP2









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 8763200 8743 FFP2 NR D folding mask without valve Art. no. 8743200 Version Colour white Order quantity multiple/ 30 PC, individually packed in BOX 3 PC, individually packed in BG Content

uvex silv-Air 3210		
Art. no.	8763210	8743210
Version	FFP2 NR D folding mask with va	llve
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 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

8762220

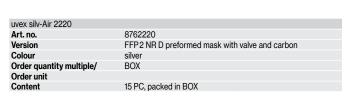
- comfortable sealing lip in nose area for secure fit
- exhalation valve for reducing heat and humidity as well as noticeably reducing breathing resistance

uvex	silv-Air	2200	//	2210
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- particle-filtering preformed mask
- seamless headband and flexible, adjustable nose clip for a comfortable,
- · comfortable sealing lip in nose area for secure fit
- 2210: exhalation valve for reducing heat and humidity as well as noticeably reducing breathing resistance

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uvex silv-Air 2200			
Art. no.	8762200	8742201	
Version	FFP2 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	FFP2 NR D preformed mask wi	th valve
Colour	white	
Order quantity multiple/	BOX	BG
Order unit		
Content	15 PC, packed in BOX	3 PC, packed in BG





- · 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



uvex silv-Air c

Filtering face masks, protection class FFP3



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 va	lve
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 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 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 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	
Order unit			

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



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 evewear.



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 SİİV-Aİr Overview

Art. no.	Name	Туре	Features	Content per PU	PU per carton
735100	uvex silv-Air 5100	FFP1 folding mask without valve		30 PC	16 boxes
735101	uvex silv-Air 5100+	FFP1 folding mask without valve		30 PC	16 boxes
735110	uvex silv-Air 5110	FFP1 folding mask with valve		15 PC	16 boxes
735111	uvex silv-Air 5110+	FFP1 folding mask with valve		15 PC	16 boxes
735200	uvex silv-Air 5200	FFP2 folding mask without valve		30 PC	16 boxes
735201	uvex silv-Air 5200+	FFP2 folding mask without valve		30 PC	16 boxes
735210	uvex silv-Air 5210	FFP2 folding mask with valve		15 PC	16 boxes
735211	uvex silv-Air 5210+	FFP2 folding mask with valve		15 PC	16 boxes
735221	uvex silv-Air 5220+ with carbon	FFP2 folding mask with valve		15 PC	16 boxes
735310	uvex silv-Air 5310	FFP3 folding mask with valve		15 PC	16 boxes
735311	uvex silv-Air 5310+	FFP3 folding mask with valve		15 PC	16 boxes
735321	uvex silv-Air 5320+ with carbon	FFP3 folding mask with valve		15 PC	16 boxes
742101	uvex silv-Air 2100, Retail	FFP1 preformed mask without valve		3 PC	20 bags
742111	uvex silv-Air 2110, Retail	FFP1 preformed mask with valve		3 PC	20 bags
742201	uvex silv-Air 2200, Retail	FFP2 preformed mask without valve		3 PC	20 bags
742211	uvex silv-Air 2210, Retail	FFP2 preformed mask with valve		3 PC	20 bags
742310	uvex silv-Air 2310, Retail	FFP3 preformed mask with valve		3 PC	20 bags
742312	uvex silv-Air 2312, Retail	FFP3 preformed mask with valve		3 PC	20 bags
742320	uvex silv-Air 2320 with carbon, Retail	FFP3 preformed mask with valve		3 PC	20 bags
742322	uvex silv-Air 2322 with carbon, Retail	FFP3 preformed mask with valve		3 PC	20 bags
743100	uvex silv-Air 3100, Retail	FFP1 folding mask without valve		3 PC	20 bags
743110	uvex silv-Air 3110, Retail	FFP1 folding mask with valve		3 PC	20 bags
743200	uvex silv-Air 3200, Retail	FFP2 folding mask without valve		3 PC	20 bags
743210	uvex silv-Air 3210, Retail	FFP2 folding mask with valve		3 PC	20 bags
743311	uvex silv-Air 3310, Retail	FFP3 folding mask with valve		3 PC	20 bags
745100	uvex silv-Air 5100, Retail	FFP1 folding mask without valve		3 PC	20 bags
745101	uvex silv-Air 5100+, Retail	FFP1 folding mask without valve		3 PC	20 bags
745110	uvex silv-Air 5110, Retail	FFP1 folding mask with valve	○ ○○○○○	3 PC	20 bags
745111	uvex silv-Air 5110+, Retail	FFP1 folding mask with valve		3 PC	20 bags
745200	uvex silv-Air 5200, Retail	FFP2 folding mask without valve		3 PC	20 bags
745201	uvex silv-Air 5200+, Retail	FFP2 folding mask without valve		3 PC	20 bags
745210	uvex silv-Air 5210, Retail	FFP2 folding mask with valve		3 PC	20 bags
745211	uvex silv-Air 5210+, Retail	FFP2 folding mask with valve		3 PC	20 bags
745221	uvex silv-Air 5220+ with carbon, Retail	FFP2 folding mask with valve		3 PC	20 bags
745310	,	FFP3 folding mask with valve		3 PC	20 bags
745310	uvex silv-Air 5310, Retail uvex silv-Air 5310+, Retail	FFP3 folding mask with valve		3 PC	20 bags
745311	uvex silv-Air 5320+ with carbon, Retail	FFP3 folding mask with valve		3 PC	20 bags 20 bags
		•			20 bags 12 boxes
762100 762110	uvex silv-Air 2100	FFP1 preformed mask without valve		20 PC	
62110	uvex silv-Air 2110	FFP1 preformed mask with valve		15 PC	12 boxes
62200	uvex silv-Air 2200	FFP2 preformed mask without valve		20 PC	12 boxes
62210	uvex silv-Air 2210	FFP2 preformed mask with valve		15 PC	12 boxes
762220	uvex silv-Air 2220 with carbon	FFP2 preformed mask with valve		15 PC	12 boxes
762310	uvex silv-Air 2310	FFP3 preformed mask with valve		15 PC	12 boxes
762312	uvex silv-Air 2312	FFP3 preformed mask with valve		15 PC	12 boxes
762313	uvex silv-Air 2310 planet	FFP3 preformed mask with valve		15 PC	12 boxes
762320	uvex silv-Air 2320 with carbon	FFP3 preformed mask with valve		15 PC	12 boxes



uvex silv-Air

Overview

Art. no.	Name	Туре	Features	Content per PU	PU per carton
8762322	uvex silv-Air 2322 with carbon	FFP3 preformed mask with valve		15 PC	12 boxes
8763100	uvex silv-Air 3100	FFP1 folding mask without valve		30 PC	12 boxes
8763110	uvex silv-Air 3110	FFP1 folding mask with valve		15 PC	12 boxes
8763200	uvex silv-Air 3200	FFP2 folding mask without valve		30 PC	12 boxes
8763210	uvex silv-Air 3210	FFP2 folding mask with valve		15 PC	12 boxes
8763220	uvex silv-Air 3220 with carbon	FFP2 folding mask with valve		15 PC	12 boxes
8763310	uvex silv-Air 3310	FFP3 folding mask with valve		15 PC	12 boxes
8787212	uvex silv-Air 7212	FFP2 preformed mask with valve		15 PC	9 boxes
8787232	uvex silv-Air 7232 High-Performance	FFP2 preformed mask with three-chamber system	炒●●●● ®●	3 PC	12 boxes
8787233	uvex silv-Air 7233 High-Performance	FFP2 preformed mask with three-chamber system		3 PC	12 boxes
8787312	uvex silv-Air 7312	FFP3 preformed mask with valve		5 PC	12 boxes
8787317	uvex silv-Air 7317	FFP3 preformed mask with valve		5 PC	12 boxes
8787318	uvex silv-Air 7317	FFP3 preformed mask with valve	炒炒⊙®®®	80 PC	1 carton
8787330	uvex silv-Air 7330 High-Performance	FFP3 preformed mask with three-chamber system		3 PC	12 boxes
8787333	uvex silv-Air 7333 High-Performance	FFP3 preformed mask with three-chamber system		3 PC	12 boxes
8788313	uvex silv-Air 8313	FFP3 folding mask with valve		15 PC	24 boxes
8739518	uvex silv-Air 9517	FFP2 folding mask without valve, with ear bands		10 PC	30 boxes
8739519	uvex silv-Air 9517	FFP2 folding mask without valve, with ear bands		1000 PC	1 carton
8739520	uvex face mask white	uvex medical face mask type IIR		50 PC	20 boxes
8739521	uvex face mask beige	uvex medical face mask type IIR		50 PC	20 boxes
8739522	uvex face mask grey	uvex medical face mask type IIR		50 PC	20 boxes
8739523	uvex face mask blue	uvex medical face mask type IIR		50 PC	20 boxes
8739524	uvex face mask green	uvex medical face mask type IIR		50 PC	20 boxes