



Breathing Protection

# Particulate filter respirators

A properly selected and correctly fitted respirator is important to protect your health. Consult with your industrial hygienist or occupational Safety Officer and or refer to AS/NZS 1715 - Selection, use and maintenance of respiratory protective equipment, to determine suitability for your intended use.



## **Particulate filters are differentiated according to their filtering efficiency:**

**Class P1** – intended for use against mechanically generated particulates of sizes most commonly encountered in industry. Has a low to medium absorption capacity filter.

**Class P2** – intended for use against both mechanically and thermally generated particulates. Has a medium absorption capacity filter.

**Class P3** – intended for use against all particulates including highly toxic materials. Has a high absorption capacity filter. Nevertheless this can only be achieved in a full face respirator.

Particles may be dusts, mists, fumes or fibres. These may range in size depending on the nature of the substances (e.g. fine powder or granular) or the nature of the process that generates the contaminants. Particles may be mechanically generated (e.g. grinding or spraying) they may be thermally generated (e.g. welding fumes and bushfire smoke).

Thermally generated particulates are much smaller than mechanically generated particles. This needs to be taken into account in the selection of respiratory protection. Large particles that are up to 100 µm in size are referred to as inspirable or inhalable particles. Small particles (<10 µm) are referred to as respirable particles.

**Protection factor** - A measure of the degree of protection afforded by the respirator, defined as the ratio of the concentration of contaminant outside the respirator to that inside the respirator.

**Disposable respirator** - A respiratory protective device for which maintenance is not intended and which is designed to be discarded after excessive resistance, sorbent exhaustion, physical damage or end of service-life renders it unsuitable for use.

**Fitting** – Extremely important to the protection afforded by the chosen respirator.

**Qualitative fit test** - A facial fit test to identify pass/fail results and relying on the subject's response to a test agent.

**Quantitative fit test** - A facial fit test giving numerical results and not relying on the subject's response to a test agent.

**Limitations** - Performance can be distinctly reduced by facial hair between the facepiece and the face. The nosepiece may affect the ability to achieve satisfactory fit for safety or prescription spectacles.







Respiratory Protective Equipment is more likely to be worn where it fits well, provides comfort, and is accepted by the user. The appropriate respirator should be worn the entire time that a person is at risk of exposure. In practice, the user's adherence to this principle will be influenced by the wearability of the individual respirator; influencing factors include comfort, field of vision and the need to communicate without removing the device.

uvex silv-Air c  
Respirators



uvex silv-Air c

**FFP2**

flatfold	 8733-208	 8733-218	 8733-228 with carbon
cup style	 8732-208	 8732-218	 8732-228 with carbon

## uvex silv-Air c Respirators, class FFP2



### Filtering face mask uvex silv-Air c

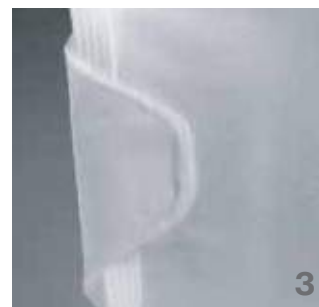
- innovative design with an optimised shape
- soft material edges for greater comfort and wearer acceptance
- seamless headband for a comfortable, secure fit
- exhalation valve for easy airflow exchange and reduces the build-up of heat and moisture inside the mask
- adjustable nose clip ensures an excellent individual fit
- mask fulfils the requirements of the dolomite dust test
- compatible with uvex safety eyewear
- upper face seal offers both secure positioning and comfort
- activated carbon filter, suitable for welding applications available in the FFP2 (uvex silv-Air c 8732) option



1  
The adjustable nose clip ensures an excellent individual fit and secure positioning.



2  
The soft material edges prevent uncomfortable pressure points.



3  
The seamless headband can be adjusted for an optimum fit.



4  
The exhalation valve with a 360° opening ensures very low breathing resistance and a cooling effect climate inside the mask.



5  
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 FFP2



8733-208

### uvex silv-Air 8733-208

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

<b>Part No.</b>	8733-208
<b>Type</b>	FFP2 folding mask without valve
<b>Colour</b>	white
<b>Packaging</b>	30 units, individually packed



8733-218

### uvex silv-Air 8733-218

- particle-filtering folding mask with exhalation valve
- seamless headband and flexible, adjustable nose clip
- comfortable sealing lip in nose area for secure fit
- exhalation valve to further reduce breathing resistance, by helping to minimise moisture build up inside the mask

<b>Part No.</b>	8733-218
<b>Type</b>	FFP2 folding mask with valve
<b>Colour</b>	white
<b>Packaging</b>	15 units, individually packed



8733-228

### uvex silv-Air 8733-228

- 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 to further reduce breathing resistance, by helping to minimise moisture build up inside the mask

<b>Part No.</b>	8733-228
<b>Type</b>	FFP2 folding mask with valve and carbon
<b>Colour</b>	silver
<b>Packaging</b>	15 units, individually packed



uvex silv-Air c

Filtering face masks, protection class FFP2



8732-208

**uvex silv-Air 8732-208**

- 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

<b>Part No.</b>	8732-208
<b>Type</b>	FFP2 preformed mask without valve
<b>Colour</b>	white
<b>Packaging</b>	20 units



8732-218

**uvex silv-Air 8732-218**

- particle-filtering preformed mask with exhalation valve
- seamless headband and flexible, adjustable nose clip for a comfortable, secure fit
- comfortable sealing lip in nose area for secure fit
- exhalation valve to further reduce breathing resistance, by helping to minimise moisture build up inside the mask

<b>Part No.</b>	8732-218
<b>Type</b>	FFP2 preformed mask with valve
<b>Colour</b>	white
<b>Packaging</b>	15 units



8732-228

**uvex silv-Air 8732-228**

- 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 to further reduce breathing resistance, by helping to minimise moisture build up inside the mask

<b>Part No.</b>	8732-228
<b>Type</b>	FFP2 preformed mask with valve and carbon
<b>Colour</b>	silver
<b>Packaging</b>	15 units