

ENGLISHSPM100 RESPIRATORY PROTECTION MASK

For your safety

The user information provides important information on the assembly, wearing, use, maintenance and disposal of the SPM100 respiratory protection mask.

The user information must be kept in a legible and accessible state at all times.

Do not put the respiratory protection mask on until you have read and understood the user information.

- Only appropriately trained and competent personnel may inspect, repair and maintain the product.
- Local and national guidelines governing this product must be followed.
- Do not use faulty or incomplete products. Do not make changes to the product.
- Inform Schmersal in the event of faults or failures involving the product or its parts.
- Before using the mask for the first time, clean and disinfect it (except the filter inserts).
- Observe the user information for the filter inserts and the differing shelf live of the filter inserts.

 Note the safety information in the user information as well as country-specific regulations.

Explanation of the symbols used

 This symbol indicates useful additional information.

 Indication of a potentially hazardous situation.
If this is not avoided, there may be damage to the product, injury or death.

 This symbol indicates the maximum storage duration.

 This symbol indicates the maximum temperature range during storage.

 This symbol indicates the maximum relative air humidity during storage.

 This symbol indicates the date of manufacture.

Included in deliveryAvailable separately



Storage

Keep the mask dry and free of dust. Protect from direct sunlight and heat radiation.

 Storage temperature: -20°C to +35°C

 Relative humidity: <80%

Intended use

The SPM100 respiratory protection mask may be used as a product within the sense of personal protective equipment (PPE) in accordance with 2016/425/EU in accordance with the following explanations or for uses approved by the manufacturer.

The SPM100 respiratory protection mask is used with an FFP2 filter insert, PPE category III, in order to prevent the inhalation and/or transfer of particles, droplets and aerosols. This filter unit filters particles from the air inhaled by the wearer within the specified limit values of the filter used.

 The SPM100 respiratory protection mask is not a product covered by the Medicines Directive.

 Further technical information as well as the current Declaration of Conformity can be found at www.schmersal.com/SPM100.

Approvals

 Standardised name/applied standards:
Filtering half masks to protect against particles: EN 149:2001+A1:2009 FFP2 NR
The currently valid declaration of conformity can be downloaded from the internet at www.schmersal.com/SPM100.
Standard reference: Official Journal of the European Union 2018/C 209/03.

Warning about misuse

 If the device is not used properly or not used in accordance with its intended use or is manipulated in any way, use of the respiratory protection mask could pose a risk of personal injury, which could in turn lead to harm to health.

Use

The ambient air oxygen content must not fall below the following:

- Minimum 17 Vol.-% oxygen in all European countries except the Netherlands, Belgium and the United Kingdom
- Minimum 19 Vol.-% oxygen in the Netherlands, Belgium, the United Kingdom, Australia and New Zealand
- Minimum 19.5 Vol.-% oxygen in the USA

Observe national guidelines in other countries!

The filters in the respiratory protection mask will only function correctly if they are clean and dry. Moist filters (e.g. due to influences such as fog, rain, splashing water, etc.) must be treated as if the maximum wearing duration has been reached; if in doubt, new filters should be inserted before reuse. Facial hair and the like can impair the tight fit of the half mask and thereby adversely affect the leakage requirements.

- It must be ensured that the surrounding atmosphere cannot change unfavourably.
- Non-ventilated containers, pits, channels, etc. must not be entered with the respiratory protection mask.
- Do not use in oxygen-enriched atmospheres.
- Not suitable for use in potentially explosive atmospheres.
- Do not use used or damaged filters in the respiratory protection mask.
- Use only original filter inserts from K.A. Schmersal GmbH & Co. KG.

The applicable national regulations concerning the use of filter units must be carefully followed. The ambient conditions (especially the type and concentration of oxygen) must be known. If the oxygen is unknown, use only compressed-air breathing apparatus or compressed-air line breathing apparatus.

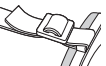
Limitation of liability

All liability for damage resulting from a failure to observe this user information or from the use of replacement or accessory parts not approved by the manufacturer is excluded.

For safety reasons, invasive work on the device as well as arbitrary repairs, conversions and modifications to the device are strictly forbidden, the manufacturer shall accept no liability for damages resulting from such invasive work, arbitrary repairs, conversions and/or modifications to the device.

This respiratory protection mask is a hygiene article and is therefore excluded from the right of return or exchange.

Mounting



The filter protection caps are correctly closed when the bayonet closures are engaged. Do not turn any further! Doing so could damage the bayonet closures.

Checks before use

The head straps must be adjusted so that the mast seals at all points on the face. All parts must be checked to ensure that they are intact before use. Damaged or incomplete respiratory protection masks must not be used. Before each use, check that there is a filter insert in the designated opening on each side of the mask and that it has been inserted correctly. Only parts in a perfect condition and that have been fitted correctly may be used. Soiled parts must be cleaned and disinfected before use. Soiled filter inserts must not be cleaned but instead replaced with new, unused filter inserts. Check that the Streamliner is sealed and correctly inserted. The bayonet closures must not be damaged or tilted and must be properly closed and locked in place at all points.

Wearing instructions



The mask must fit tightly for it to function correctly.

Inspection and maintenance intervals

	Before use	After use	Every six months
Work to be carried out			
Check by the wearer	X		
Cleaning and disinfection		X	
Visual inspection and function check	X	X	X

The recommendations in EN 529:2005 must be observed.

Wearing duration

When using the reusable respiratory protection mask, the filter insert must be replaced after one shift (eight hours) or in the event of noticeable changes to breathing resistance; the mask base body must be disinfected.

We recommend wearing the respiratory protection mask for a maximum of 75 minutes without interruption. A recovery time of 30 minutes should then be observed.

Cleaning/disinfection

All reusable parts of the mask are made from resistant materials that are suitable for cleaning and disinfection. Clean and disinfect the half mask after each use. The recommended intervals for changing the filter insert must be observed.

 When removing the filters, ensure that the safety stipulations for handling any contaminated materials (e.g. the mask or filters) are observed.

 **Incorrect cleaning/disinfection**
If the process described in the disinfection procedure has not been observed, the mask must be considered contaminated and re-prepared in accordance with the disinfection instructions.

 Silicone tends to absorb cleaning and disinfection agents. With repeat cleaning and disinfection, these agents can accumulate in the silicone. This can result in skin irritation when wearing the mask. Ensure that the cleaning and disinfection process is followed carefully. Rinse all parts thoroughly under running water for ten minutes.

Wear gloves during the procedure.

1. Remove the filter inserts.
2. Disassemble the mask, open the Streamliner.
3. Prepare a cleaning solution of water and a cleaning agent.
4. Clean all parts with a soft cloth and a cleaning solution.
5. Rinse all parts thoroughly under running water.
6. Prepare a disinfectant bath of water and a disinfectant.
7. Insert all parts that need to be disinfected into the disinfectant bath in accordance with the specifications of the disinfectant manufacturer.
8. Rinse all parts thoroughly under running water.
9. Allow all parts to dry in the air or in a drying cabinet (temperature max. 60°C).
Protect from direct sunlight.

Replacement filter accessories

The filter insert is available as an accessory.

Material designation: FILTER INSERT SPM-U100

Material number: 103038849

Replacement filter storage

Filter inserts should be stored in a cool and dry place in their original packaging. Protect from direct sunlight and heat radiation. Filters should be stored in rooms with normal humidity levels, temperatures and non-polluted air.

 Storage temperature: -20°C to +35°C

 Relative humidity: <80%

 Different storage conditions can significantly affect the maximum storage duration. The use-by date is printed on every item of packaging containing a filter, using standardised pictograms.

Inserting the filter insert

Open and remove the bayonet closures on the filter protection caps. Carefully remove the filter from the packaging, ensuring hygienic handling, and insert into the mask base body.



 Insert the filter inserts so that the imprint points outwards.
When inserting the filters, ensure that they are evenly seated, i.e. no kinks or folds.
The filter opening must be completely covered.

The previously removed filter protection caps must then be placed back in the designated position on the mask base body and turned with light pressure and rotation in the closure direction until the bayonet engages.

Changing the filter insert

When changing the filter, the mask base body must be inspected to ensure that it is intact. It must be ensured that the contact surfaces of the filter inserts on the mask base body are smooth and even and that the bayonet closures are intact.

Damaged or incomplete respiratory protection masks must not be used.

Open the filter protection caps on the left and right. To do this, the filter protection caps must be rotated until the bayonet opens.

Once the bayonet has been opened, the filter holders can be removed from the mask base body in the next step. The filters can now be removed.

 When removing the filters, ensure that the safety stipulations for handling any contaminated materials (e.g. the mask or filters) are observed.

The new filter inserts should be inserted in accordance with the procedure outlined above.

 If the bayonet closure of a filter prediction cap was opened again after inserting the filter insert, the filter insert must be replaced again as pressing, loosening and pressing the filter again may have caused cracks to appear in the sensitive filter insert.

Disposing of the filter inserts

Depending on their use, the filter inserts must be properly disposed of as contaminated waste in accordance with the national regulations and laws.

Marking

Mask base body 1:

Mask seal 2:

Filter seals 3:

Filter protection caps 4:

Head straps with strap buckles 5:

Streamliner 6:

Filter inserts 7:

Company logo:  / product name: SPM 100 / component designation: SPM-101 / CE / date of manufacture: 

Company logo:  / component designation: SPM-107 / date of manufacture: 

Company logo:  / component designation: SPM-103 / date of manufacture: 

Company logo:  / component designation: SPM-102 / date of manufacture: 

Company logo:  / component designation: SPM-U200 / date of manufacture: 

Company logo:  / component designation: SPM-111 (SL half shell L), SPM-112 (SL half shell R) / date of manufacture: 

Company logo:  / company name: Schmersal/product name: SPM100 / component designation: SPM-U100 / classification: EN 149:2001+A1:2009 FFP2 NR / CE / production order number: (XXXXXXXXX)

K.A. Schmersal GmbH & Co. KG

Mödinghofe 30, 42279 Wuppertal, Germany

Telephone: +49 202 6474-0

Telefax: +49 202 6474-100

E-Mail: info@schmersal.com

Internet: www.schmersal.com



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