

Toolbox Talk: Half-face mask inspection and maintenance (Sundström SR100 Mask)



Items on the picture contained in the box when issued new. Items include:

- Sundström SR100 Mask with components.
- Instruction book.
- Storage bag with a seal.
- 1 x sterile wipe.
- 1 x name tag.
- 1 x pre-filter holder.

Disclaimer: Filter issued separately based on task. (P3 Particle filter and/or charcoal filter)



The picture on left shows the pre-filter and pre-filter holder.



The picture on right shows the P3 particle filter.



The picture on the left shows the head-straps being removed from the mask.



The picture on the right shows the head straps ready for inspection. That way defects can be seen.



Remove the exhalation membrane before removal of holders/ casings from the mask body (**Follow steps 1 to 4 in order**)



Exhalation membrane holder with exhalation membrane and protective cap assembled



The exhalation membrane holder with the exhalation membrane and protective cap was opened and taken apart.



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Gently grab and stretch the inhalation membrane and proceed to take it off.



Once the inhalation membrane has been removed push the inhalation valve from the inside, and out.



Remove the head harness holder.



- Using antiseptic wipes carefully clean all the components of the mask and the mask body.
- Once cleaned, inspect every component for cracks and defects.
- Gently stretch the silicone membranes and look for cuts and holes.



Begin to assemble the mask by putting the head harness holder on the mask body. The head harness loops should face the mask body.



BAD PRACTICE!

To the left is an example of what the mask will look like if fitted incorrectly.



Take the inhalation valve and place it like shown in the pictures to the left. Locate the clock on the valve and align it with a clock located on the mask body. Once the valves have been aligned with the silicone membrane walls push the valve into place.

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Begin to put the inhalation membrane by gently grabbing the side and stretching it over the holder inside of the mask. **(Be very careful when stretching the membrane as it's fragile)**



Take one of the exhalation valves and rest the edge of the valve on of the side holes. Begin to push the valve in. **(Avoid contact with the membrane holder at all times)** Once fitted check inside and outside to make sure the valve “sits in” correctly. Repeat the process for the opposite side.



Take the exhalation membrane and gently push it onto the membrane holder. Once the membrane's in place take the protective cap and push it in place. **(You should hear a quiet click noise that will confirm the membrane's in place)**



Find the arrows on the P3 Particle filter and make sure they are facing towards the mask and insert the filter. Insert the pre-filter and the pre-filter holder.



The picture on the left shows the old-style pre-filter holder. The picture on the right shows the new style, pre-filter holder.