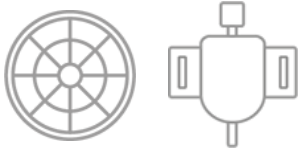


Operation Instruction

SR 100

Half mask APR



General information

Instructions for use for SR 100 APR should be read before use.

Together with filters/cartridges from the Sundström filter range in accordance with the NIOSH approval label. Three sizes S/M, M/L and L/XL.

Together with compressed air attachment SR 307 and SR 358 or SR 359 compressed air supply tube in accordance with NIOSH approval label for SAR.

When selecting equipment for SR 100 some of the factors that should be considered are as follows:

- Type of pollutants
- Concentrations
- Work intensity
- Protection requirements in addition to respiratory protective advice.

Risk assessment should be carried by a person who has suitable training and experience in the area.

Unpacking the SR 100



Check that the equipment is complete in accordance with the packing list, and that no transport damages have occurred.

Packing list:

- Half mask
- Pre-filter holder
- Cleaning tissue
- ID-tag
- Pre-filter
- Storage bag
- Instruction for use

1. Filter



1.1 Check that you have selected the correct filter.



1.2 During work in atmospheres containing both particulates and gases/vapors (such as spray painting) the particulate filter and chemical cartridge should be combined.



1.3 Place the P100 particulate filter on top of the cartridge. Grasp both protective elements. Squeeze hard until you hear the P100 snap onto the cartridge a snap. Attempt to pull the filter and cartridge apart to check that they are properly connected.



1.4 Place a coin in the space between the lower lip of the particulate filter and the small tab moulded into the side of the cartridge. Push firmly and twist the coin until the filter pops off.

1. Filter



1.5 Fit the filter/combined filter in the mask so that the arrows on the filter point towards the user's face. Carefully check that the edge of the filter is in the internal groove of the filter mounting all around.



1.6 Fit pre-filter SR 221 in the pre-filter holder.

Pre-filter prevents premature clogging of the main filter. The pre-filter holder prevents damage to the main filter.

N.B. The pre-filter is a pre-filter only and cannot be used as a substitute for particulate filter P100.



1.7 Press it into place on the filter.

2. Donning



2.1 Remove any hood, glasses or ear protection from head.

Holding the respirator in one hand, grab the locking buckle and pull on the head strap until the pad or cradle is tight against the respirator.



2.2 Take out any twists or tangles.



2.3 Holding the strap buckle, pull the strap over your head and put it around your neck.



2.4 Let the mask hang on your chest.

2. Donning



2.5 Grab the pad or cradle with one hand and the filter or cartridge with the other.



2.6 Hold the mask against your face.



2.7 Pull the pad or cradle over your head and place it on the crown of the head.
Wiggle the respirator until it fits comfortably.
Perform a fit check.

3. Adjusting the harness



3.1 Reach behind your neck and grab the free end of the harness strap.



3.2 Pull the free end away from the neck until buckle pops open.



3.3 Pull on the free end of the strap until the respirator seats comfortably on your face.

Use your thumb and forefinger to squeeze the buckle shut.



3.4 Wiggle the respirator until it seats comfortably.

4. Negative fit check



4.1 Install a protective element.

Snap the pre-filter holder onto the protective element.



4.2 Donning the respirator.



4.3 Place the palm of your hand lightly over the hole on the pre-filter holder to make it tight.

Inhale gently, the respirator should pull inward on the face. Hold your breath, the respirator should remain collapsed on the face. Remove the palm of your hand from the pre-filter holder. Breathe normally.

If any leakage is detected, check the inhalation and exhalation valves, adjust the straps of head harness or switch to alternative size of the respirator. Repeat the fit check until there is no leakage.

NOTE!

Do not push so hard that the respirator's shape is affected.

5. Change the inhalation membrane



5.1 Reach inside the respirator and gently pull out the inhalation membrane.



5.2 Check the edge of the inhalation valve. Gently stretch the flap until it slips over the stud.

6. Change the head harness



6.1 Detach the head harness by pushing the two connection points towards the filter attachment.



6.2 Check that the straps are not twisted and snap on the new harness by putting each plastic swivel into the contoured slot and pulling it until it snaps in.

7. Change the exhalation membranes



7.1 Snap the valve covers off the membrane seats.



7.3 Press the new membranes onto the dowels. Carefully check that the membranes are in contact with the membrane seats all round.



7.2 Prise off the membranes.



7.4 Press the valve covers into place. A clicking sound indicates that the cover has snapped into place.

8. Cleaning

Sundström cleaning tissues SR 5226 are recommended for daily care..If the mask is heavily soiled, use a warm, do not exceed 104 °F (up to +40°C), mild soap solution and a soft brush, followed by rinsing with clean water and drying in air at room temperature. If necessary, spray the mask with 70 % ethanol or isopropanol solution for disinfection.

NOTE! Never use solvents for cleaning.



8.1 Remove the filter, the covers for the exhalation valves and the membranes, the inhalation membrane and the head harness. (Optional – The harness can be washed but takes extra time to dry.)



8.2 Critical areas are the exhalation membranes and the membrane seats which must have clean and undamaged contact surfaces. Inspect all parts and replace with new parts as necessary. Leave the mask to dry, and then assemble it.

10. Maintenance schedule

	Before use	After use	Annually
Visual inspection	●		
Negative fit check	●		
Cleaning		●	
Membrane change			●
Head harness change			●