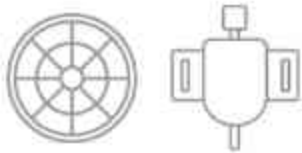


Operation instructions

# SR 100

Half mask



## General information

Use of a respirator must be part of a respiratory protection program.

Three sizes S/M, M/L and L/XL.

The half masks are used either as filtering devices in combination with filters from the Sundström range, or in combination with the SR 307 compressed air attachment which then serves as a breathing apparatus with continuous flow for connection to a compressed air supply. A wide range of accessories are available.

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

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

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

## Unpacking the SR 100



### Packing list:

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

## 1. Filter



**1.1** In environments in which both gases and particles occur, such as in spray painting, gas and particle filters must be combined.



**1.3** Check that you have selected the right filter and that the use-by date has not been passed. (Specified on the filter and is valid provided that the filter packaging is unopened.)



**1.2** Place the particle filter on top of the cartridge. Grasp both protective elements. Squeeze hard until you hear the particle filter snap onto the gas filter.



**1.4** To separate a combined filter, place a coin in the space between the lower lip of the particle filter and the small tab molded into the side of the gas filter. 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.



**1.7** Press it into place on the filter.



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

## 2. Donning



**2.1** Holding the mask in one hand, grab the strap buckle and pull on the head strap until the pad is tight against the mask.



**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 with one hand and the filter with the other.



**2.6** Hold the mask against your face.



**2.7** Pull the pad over your head and place it on the crown of the head.

## 3. Adjusting the harness



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



**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.



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



**3.4** Wiggle the respirator until it seats comfortably.

## 4. Fit check



4.1 Place the pre-filter holder to the filter.



4.2 Put the mask on.



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

### NOTE!

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

Take a deep breath and hold your breath for about 10 s.

If the mask is tight, it will be pressed against your face. 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.

## 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 (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.

## 9. Maintenance schedule

|                     | Before use | After use | Annually |
|---------------------|------------|-----------|----------|
| Visual inspection   | •          |           |          |
| Functional check    | •          |           |          |
| Cleaning            |            | •         |          |
| Membrane change     |            |           | •        |
| Head harness change |            |           | •        |