

Operating Instruction

# SR 900

Half mask



## General information

Instructions for use for SR 900 should be read before use.

Together with filters from the Sundström filter range in accordance with EN 140:1998. Three sizes S, M and L.

Together with compressed air attachment SR 307, SR 507 and SR 358, SR 359 or SR 360 in accordance with EN 14594:2005, 3A

Together with powered air unit SR 500 or SR 700 in accordance with EN 12942:1998

Together with Remote filter holder SR 905 according to EN 12083.

When selecting equipment for SR 900 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 SR 900



## Packing list:

- Half mask
- Pre-filter
- Pre-filter holder
- Cleaning tissue
- ID-tag
- User instructions
- Storage bag

# 1. Filter



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



**1.3** 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** Place a coin in the space between the lower lip of the particle filter and the small tab moulded 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 in the mask so that the arrows on the filter point towards the user's face.

Check that the edge of the filter is sealed by the filter holder all around and that the filter is in the internal groove of the filter holder all around

**1.6** Fit the pre-filter in the pre-filter.



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

## 2. Donning



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

Put the mask on.

**2.2** Take out any twists or tangles. Adjust the harness.



**2.3** Wiggle the respirator until it fits comfortably.

### 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. Fit check



### 4.1 Put the mask on.



### 4.2 Place the palm of your hand lightly over the hole on the pre-filter holder to make it tight. Take a deep breath and hold your breath for about 10s. If the mask is tight, it will be pressed against your face.

If any leakage is detected:

- check the exhalation membranes, exhalation valves and the gasket,
- adjust the straps of head harness,
- switch to alternative size of the respirator.

Do not use the equipment if you cannot make the mask a tight fit during the fitting test.

Note that beard growth, scars, or other physical characteristics may interfere with a proper fit of the respirator.

## 5. Change the exhalation membrane



**5.1** Remove the protective cap.



**5.3** Press the new membrane onto the pin. Carefully check that the membrane is in contact with the membrane seat all round.



**5.2** Prie off the membranes.



**5.4** Press the new protective cap into place.

## 6.Change the inhalation membrane 7. Change the head harness

**6.1** Remove the membrane.



**6.2** Fasten the new membrane on the pin.



**7.1** Detach the head harness from the mask.



**7.2** Attach the head harness to the mask.



## 8. Change filter holder



**8.1** Detach the filter holder from the mask by turning it a  $\frac{1}{4}$  of a turn.

**8.2** Attach the new filter holder. Make sure the gasket is mounted correctly on the filter holder.

## 9. Change of gasket



**9.1** Detach the filter holder from the mask by turning it a  $\frac{1}{4}$  of a turn.



**9.2** Release the gasket from the attachment on the filter holder. Mount the new gasket. Attach the filter holder.

## 10. 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 desinfection.

***NOTE! Never use solvents for cleaning.***



**10.1** Remove the filter, the covers for the exhalation valves, the membranes, the inhalation membrane and the head harness. The harness can be washed but takes extra time to dry.



**10.2** Inspect all parts and replace with new parts as necessary. Critical areas are the exhalation membranes and the membrane seats which must have clean and undamaged contact surfaces.

# Maintenance schedule

	Before use	After use	Annually
Visual check	•		
Fit check	•		
Cleaning		•	
Change membrane			•
Change harness			•
Change gasket			•
Change filter	See User instructions for filters		

## Change parts

Always use genuine Sundström parts. Do not modify the equipment. The use of non-genuine parts or modification of the equipment may reduce the protective function and put at risk the approvals received by the product.