

Operation instruction

# SR 592

Welding shield



## General information

Instructions for use for SR 592 should be read before use.

Sundström welding shield SR 592 together with the fan unit SR 500/SR 700 and approved filters are included in the Sundstrom fan-assisted respiratory protective device system conforming to EN 12941/EN 12942:1998

When selecting the head-top, some of the factors that should be considered are as follows:

- Types of pollutants
- Concentrations
- Work intensity
- Protection requirements in addition to respiratory protective device.

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

## Unpacking SR 592



### Packing list:

- Welding shield
- Breathing hose
- User instruction
- Cleaning tissue

## 1. Connect the breathing hose

1.1 Connect the hose to the welding shield and turn it anti-clockwise about 1/8 of a turn.



1.2 Connect the hose from the welding shield to the fan unit and turn it clockwise about 1/8 of a turn.



## 2. Change the welding filter



**2.1** Loosen the screw in the holder for the welding filter



**2.2** Release the holder for the welding filter.



**2.3** Fit the welding filter.  
Fit the holder.  
Tighten the screw



## 3. Change the inner protective lens



**3.1** Loosen the screw in the holder for the welding filter.



**3.2** Release the holder for the welding filter.



**3.3** Fit the new inner protective lens on the inside of the welding filter.



**3.4** Fit the protective lens.  
Fit the holder.  
Tighten the screw.

## 4. Change the correction lens



**4.1** Loosen the screw in the holder for the welding filter.



**4.2** Release the holder for the welding filter.



**4.3** Fit the new correction lens on the inside of the welding filter.



**4.4** Fit the correction lens.  
Fit the holder.  
Tighten the screw.

## 5. Adjust the head harness



### 5.1 Height adjustment.

How high the welding shield sits on the head.



### 5.2 Angle adjustment between shield and head harness.

The angle against the shield.



### 5.3 Space adjustment between shield and head harness.

The space to the shield.



### 5.4 Width adjustment of the head harness.

Adjustment of the width of the head harness.



## 6. Functional check



**6.1** Place the facepiece in the bag and grip the opening of the bag so that it seals around the breathing hose. Grip the flow meter with the other hand and hold it so that it points vertically up from the bag.



**6.2** Read the position of the ball in the tube. It should float level with or just above the 175 l/min marking on the tube.

If the flow rate is below the minimum value, check that

- The flow meter is vertical.
- The float can move freely.
- The air supply is not restricted by kinks or other restrictions in the hoses.

## 7. Putting the welding shield on



**7.1** Start the fan unit. Raise the visor and put the welding shield on.

Adjust the width by turning the knob at the back of the head.



**7.2** Lower the visor unit by pulling the face seal down under your chin.



**7.3** Insert a finger between your chin and the face seal and run the finger along the contact surface of the face seal all the way round to check that it fits well and comfortable against the face,

## 7. Putting the welding shield on

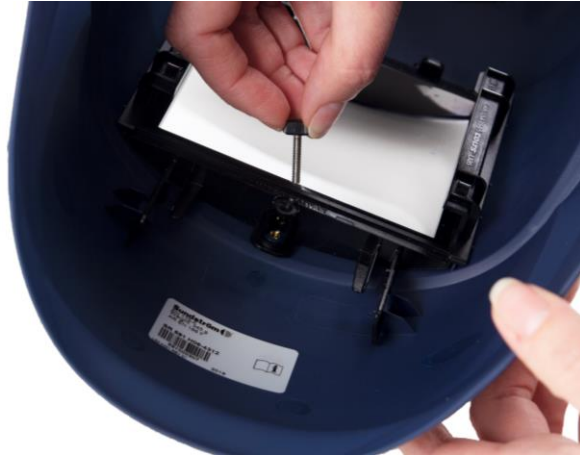
7.1 Adjust the comfort of the face seal with the drawstring,



7.2 Check and adjust so that the breathing hose runs along your back and that it is not twisted.



## 8. Change the outer protective lens



**8.1** Loosen the screw in the holder for the welding filter.



**8.2** Release the holder for the welding filter.



**8.3** Release and remove the outer protective lens



**8.4** Fit the protective lens.  
Fit the holder.  
Tighten the screw.



## 9. Change the Sweatband



**9.1** Remove the sweatband.



**9.2** Fit the sweatband on the head harness.



**9.3**

## 10. Change the head harness



**10.1** Remove the head harness from the welding shield by releasing the two fixing points



**10.2** Release the air channel from the head harness and remove the face seal.

**10.3** Secure the two fixing points of the head harness. Check that the head harness is locked in the fixing points of the welding shield.

**10.4** Adjust the head harness according to the instructions in section 5.

## 11. Change the face seal



**11.1** Release the air channel from the head harness.



**11.2** Remove the face seal.



**11.3** Fit the new face seal.  
Mount the face seal on the air channel.

## 11. Change the face seal



**11.4** Press the face seal all around the welding shield.



**11.5** Attach the joint clamp over the joint of the face seal.



**11.6** Attach the air channel to the head harness.



## 12. Cleaning

If the equipment is more heavily fouled, the sweatband can be washed with a mild soap solution.

If necessary, spray the face shield with 70 % ethanol or isopropanol solution for disinfection.

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



**12.1** Sundström cleaning tissues SR 5226 are recommended for daily care.



**12.2** Wipe the plastic protective lens carefully, since they are sensitive to scratching.

Automatic welding filters are very sensitive to moisture. Use only a dry polishing cloth.

## 13. Maintenance schedule

	Before use	After use	Annually
Visual inspection	•	•	•
Cleaning		•	•
Change of o-ring for breathing hose			•