Sundström

Operation instructions

SR 575

Protective helmet with visor

Information

Instructions for use for SR 575 should be read before use.

SR 575 together with the fan unit SR 500/SR 500 EX or SR 700 and approved filters is included in the Sundström fan-assisted respiratory protective device system conforming to EN 12941:1998.

SR 575 can also be used together with compressed air attachment SR 507 conforming to EN 14594:2018

Combination of SR 575 - SR 500 EX is specially designed for using in potentially explosive and fire hazardous environments. See user instructions or label on fan unit for classification.

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 devices.

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

Unpacking SR 575

Packing list:

- Helmet
- Breathing hose
- Peel-off with clips
- Chinstrap
- User instruction
- Cleaning tissue

1.Connect the hose

1.1 Connect the breathing hose to the helmet.
A click is heard when it is correct attached.

1.2 Connect the hose from the helmet and turn clockwise about 1/8 turn.

2. Functional check

2.1 Turn the flow meter bag inside out and the flow meter appears.

2.2 Place the head-top in the flow meter and start the fan unit. Grip the bag to seal around the breathing hose. Grip the flow meter tube with the other hand, the tube will point upwards from the bag

Read the position of the ball in the tube. This should hover at a level with or slightly above the upper marking on the tube, (175 l/min).

If minimum flow is not achieved, check that

- the flow meter is held upright,
- the ball moves freely,
- the bag seals well around the hose.

3. Adjust head harness

3.1 Height adjustment.

How deep the head ends up in the head part depends on where you position the head crown, there are 5 options on each side.

3.2 Height adjustment.

How high the helmet sits on the head. If necessary, adjust the head harness in height by lengthening or shortening the two straps for the top of the head.

If necessary, adjust for hearing protectors.

3.3 Angle adjustment between visor and head harness.

Adjust if the face is too close to the visor. There are two options.

3.4 Angle adjustment between visor and head harness.

Adjustment of the angle of the headband around the back of the head.

The two pins can be placed in the upper or lower holes.

3. Adjust head harness

3.5 Width adjustment of the head harness.

Release the two pins and extend or shorten the width of the head harness. There are two options.

3.6 Width adjustment of the head harness.

If necessary, adjust the circumference of the head harness by means of the knob at the rear of the head harness.

3.7 The airflow can be directed towards visor or face for optimal comfort.

3.8 Press the peel-off clip into the center of the side of the visor.

Secure the peel-off to the peel-off clips. When mounting more peel-offs, mount them so that the tabs end up different to ease the removal.

4. Putting the helmet on

4.1 Start the fan. Raise the visor and put the helmet on.

Adjust the width of the head harness using the knob located at the rear of the harness

4.2 Lower the visor unit by pulling the face seal down under your chin. A clicking sound indicates that the visor unit has been lowered fully.

4.3 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 against the face.

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

5. Change the visor

5.1 Remove the peel-off clips.

Release and remove the visor.

5.2 Fit the new visor. Start in the center.

Make sure that the visor is centered and end up in the groove on the face shield.

5.3 Make sure that the visor is centred and end up in the groove on the face shield.

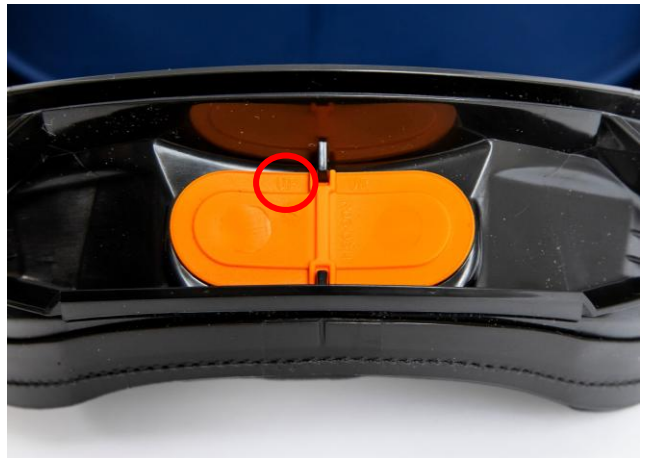
Secure the visor on the right and left side.

5.4 Check that the visor is properly locked around the edge of the face shield.

6. Change the exhalation membrane

6.1 Remove the visor see **5.1**. Release and remove the valve cover.

6.2 Release and remove the membrane.



6.3 Press on the new membrane in right position according to the picture. The text "UP" on the membrane should be visible when mounted as shown. Carefully check that the membrane is in contact with the valve seat all round.

6.4 Press the valve cover into place.

- Fit the visor, see *5. Change the visor*

7. Change the face seal

7.1 Release the face seal hooks from the head harness.

7.2 Push the face seal pins out and remove the face seal.

7.3 Fit the new face seal. The marking on the face seal and visor should be in front of each other.

7.4 Press the face seal all around the visor. Make sure that the face seal pins is fixed in the visor. Secure the face seal hooks into the head harness.

8. Change the head harness seal

8.1 Release the face seal hooks from the head harness.

8.2 Remove the forehead seal.

8.3 Fit the new forehead seal. Press down the tabs of the forehead seal in the socket on the face shield.

8.4 Place the seal so it fits between the sockets of the sides of the head harness. Check that head harness seal is mounted as shown.

9. Change the sweatband

9.1 Remove the head harness from the helmet by releasing the three fixing points. Remove the sweatband.

9.2 Push in the head harness tongue into the new sweatband. *Note how the sweatband is turned!*

9.3 Fit the sweatband into the head harness spikes. Fold the sweatband around the bandeau of the head harness and fit the spikes in the holes.

9.4 Secure the two loose sockets of the sweatband onto the head harness.

10. Change the head harness

10.1 Remove the head harness from the helmet by releasing the three fixing points.

Change the head harness seal, see section 8.

Change the sweatband see section 9.

10.2 Secure the both fixing points of the head harness on the sides.

10.3 Secure the fixing point of the head harness in the front.

11. Change the gasket for breathing hose

11.1 Remove the gaskets. Clean the connections and the packing groove. Before the new gasket is mounted.

12. Cleaning

Sundström cleaning tissues SR 5226 are recommended for daily care. If the equipment is more heavily fouled, the head harness seal, face seal and sweatband can be put in a laundry bag and machine wash (max 40 °C). Other items can be washed in the dishwasher (max 55 °C). If necessary, spray the helmet with 70 % ethanol or isopropanol solution for disinfection.

NOTE! Never use solvents for cleaning.

12.1 For more severe soiling, use a soft brush or sponge moistened in a solution of water and detergent or the like. Rinse clean and allow to dry.

12.2 Clean the exhalation membrane and the valve seat. Check that everything is ok.

13. Maintenance schedule

	Before use	After use	Annually
Visual inspection	•	•	•
Performance check	•		•
Cleaning		•	•
Change for gasket for breathing hose			•
Replacement of exhalation membrane			•

Recommended minimum requirements on maintenance routines so you will be certain that the equipment will always be in usable condition.

At the first signs of wear, impact marks, damage or aging of the material, the helmet shell or harness must be replaced in order to ensure the protective ability of the helmet is maintained. This must be checked on a regular basis.

A helmet that shows signs of damage, e.g. cracks or scratches, that may reduce its protective ability must be discarded. The helmet must also be discarded if it has been exposed to stresses during an accident or near accident, even if there is no visible damage.

The helmet should be used within 5 years after the date of production or within 3 years of being taken into use, whichever of these dates is the earlier.