Sundström

Operating instruction

SR 601, SR 602, SR 603, SR 604

Revision: 03

OI06H-5421 SR 601/602/603/604 1 2026-10-20

General information

Before use, user instructions and user instructions for the SR 500/ SR 700 PAPR, cartridges and filters must be thoroughly studied and understood.

The SR 601, SR 602, SR 603 and SR 604 Hoods can be used together with the SR 500 Powered Air-Purifying Respirator system of components to provide respiratory protection against certain particulates, organic vapors, acid gases and other inorganic gases. The loose-fitting hood SR 601, SR 602 SR 603 or SR 604 together with the SR 700 belt mounted Powered Air-Purifying Respirator (PAPR) protects against particulates. Refer to the NIOSH Approval Label for a list of approved components and NIOSH cautions and limitations

When selecting the head top, some of the factors that must be taken into account are as follows:

- Types of pollutants
- Concentrations
- Work intensity
- Protection requirements in addition to the need for respiratory protection device

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

Unpacking SR 601, SR 602 and SR 604

Packing list:

- Hood
- Head harness with air-duct
- Breathing hose
- User instructions
- Cleaning wipe

1. Assembly

1.1 Remove the protective film from the visor, inside and outside.

1.2 Fit the head harness and air-duct into the hood.

1.3 Pull down the rear part of the hood over the air-duct.

1.4 Fit the hood into the two fixing grooves on the air-duct, one on each side.

1. Assembly

1.5 Fit the hood into the two fixing grooves on the air-duct, one on each side.

1.6 Check that the air-duct´s front locking pin is in the correct position.

1.7 Fit the breathing hose into the air-duct

1.8 Pull down the rear part of the hood to the correct position over the air-duct/breathing hose.

2. Performance check, minimum flow

2.1 Connect the hose to the fan unit and turn it clockwise about 1/8 of a turn.

2.2 Place the head top in the flow meter and start the fan unit.

Tip! When the bag is turned with the measuring tube inwards it can be used as a storage bag

2.3 Place the head top in the flow meter bag and start the fan unit.

Grip the lower part of the bag in order to seal around the hose.
Grip around the measuring tube and hold the tube vertical.

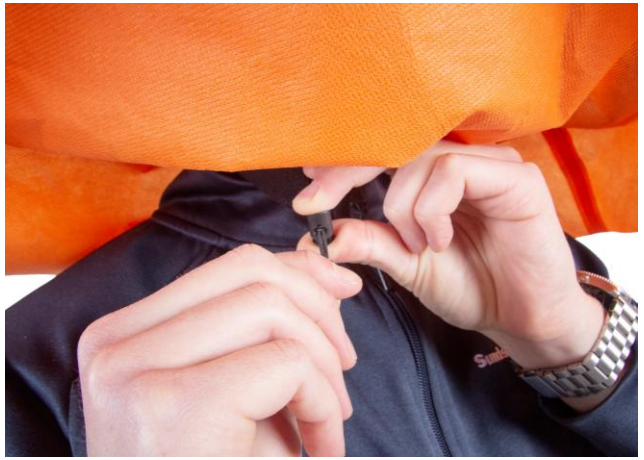
The ball should now float level with or just over the 175 l/min marking.

If the minimum flow is not achieved, check that:

-The flow meter is vertical
-The ball moves freely
-The bag seals well around the hose.

3. Donning

3.1 Start the fan unit. Grip both sides of the hood opening with your hands. Draw the hood carefully over your head.



3.2 Adjust the hood's (SR 602) neck seal using the elastic neck strap.

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

Adjust the hood so that it fits closely and comfortably.

If necessary, adjust the head harness. There are a lot of adjustment options. See section 4.

To adjust the head harness easier, remove the head harness from the hood.

4. Adjust the head harness

4.1 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.

4.2 How high the hood 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.

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

4.4 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.

4. Adjust the head harness

4.5 Rough adjustment of the width of the head harness.

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

4.6 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.

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

5. Cleaning

5.1 Sundström cleaning wipe SR 5226 are recommended for daily care.

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

NOTE! Never use a solvent for cleaning.

5.2 Clean the head harness and the air-duct.

5.3 Clean the hood and leave it to dry.

5.4 If the equipment is more heavily soiled, use a soft brush or sponge moistened with a solution of water and dishwashing detergent or the like.

Rinse and let dry.

6. Maintenance schedule

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

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

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.

7. Change the sweatband

7.1 Remove the head harness from the air-duct by releasing the three fixing points.

7.2 Remove the sweatband by releasing the sweatband from the spikes on the head harness.

7.3 Push in the head harness tongue into the new sweatband.

Note how the sweatband is turned!

7.4 Fold the sweatband around the band of the head harness and fit the spikes in the holes.

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

Assemble in reverse order.

8. Change the head harness

8.1 Remove the head harness from the air-duct/hood by releasing the three fixing points.

8.2 Fit a new sweatband according to the instructions in section 7.

Assemble in reverse order.

9. To change the hood

9.1 Pull the rear part of the hood up on the air-duct. Remove the breathing hose from the air-duct.

9.2 Remove the hood from the air-duct by releasing the two fixing grooves and pull off the hood from the head harness and air-duct.

Assemble the new hood according to the instructions in section 1. Assemble

10. Change the air-duct

10.1 Remove the hood from the air-duct by releasing the two fixing grooves and pull off the hood from the head harness and air-duct.

10.2 Remove the air-duct from the head harness by releasing the three fixing points.

Assemble the new air-duct in reverse order or see the instructions in section 1. Assemble.