

Operating instruction

# SR 63

Compressed air hood



## General information

Instructions for use for SR 63 should be read before use.

Sundström's compressed air hood SR 63 is a continuous flow compressed air line breathing apparatus in approved according to EN 14594:2005, 3A/3B.

When selecting equipment for SR 63 some of the factors that should be considered 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.

## Breathable air

The breathable air shall conform to at least the following purity requirements:

- the pollutants shall be maintained at a minimum and must never exceed the hygienic limit value
- the content of mineral oil must be so low that the air has no oil smell (the threshold of smell is around 0.3 mg/m<sup>3</sup>)
- the air shall have a sufficiently low dew point to avoid internal freezing of the equipment.

In the event of uncertainty as to whether the above demands have been met, a filter such as the Sundström type SR 99-1 compressed air filter should be connected.

## Unpacking the SR 63



### Packing list:

- Hood with breathing hose
- Control valve
- Belt
- Flow meter
- Protective film
- User instructions

## 1. Functional check



**1.1** On every occasion before the hood is used, check that the air flow - measured in the hood - is at least 150 l/min:

Connect the breathing hose of the facepiece to the control valve.



**1.2** Connect the compressed air supply tube to the control valve.

Turn the control valve knob anti-clockwise as far as it will go, in order to throttle the air flow rate to a minimum.



**1.3** Place the hood 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. Read the position of the ball in the tube. It should float level with or just above the 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.





## 2. Donning



**2.1** Put the belt on and adjust the length.

Arrange the control valve in a way that allows easy adjustment of the flow rate and a strict watch over the breathing hose, i. e. it must not be placed on the back of the waist.



**2.2** Connect the breathing hose of the hood to the outlet of the control valve.

Unroll the compressed air tube and make sure that it is not twisted.

Connect the tube to the control valve inlet.



**2.3** The hood is now being supplied with air, and you can put it on. If necessary, the width and height of the head harness can now be adjusted. Adjust the neck width of the hood by means of the elastic neck strap.



**2.4** Use the control valve knob to set the air flow rate to suit the work intensity. In the fully closed position (turn anti-clockwise), the flow is around 150 l/min, while in the fully open position (turn clockwise), it is around 240 l/min.

## 3. Head harness adjustment



**3.1** The width and height can be adjusted with the head harness in place in the hood.

**To adjust the width:** use the knob in the rear part of the head harness to adjust the width. Turn the knob clockwise to reduce the width and anti-clockwise to increase it.



**3.2 To adjust the height:** the head strap of the head harness consists of two halves. The upper half runs in a groove in the lower half. The position is determined by means of a pin in the lower half that engages in one of the holes in the upper half

## 4. Doffing



**4.1** Leave the work area before taking the hood off.

Release the neck strap by releasing the buckle. Grip the top part of the hood with both hands and pull the hood upwards/forward.



**4.2** In emergency situations, the neck strap can be released without releasing the buckle:

Grip the neck strap with one hand on each side of the buckle and pull firmly.



**4.3** Releasing the compressed air tube / breathing hose Both couplings are of safety type and are released in two stages.

Push the coupling towards the nipple.



**4.4** Pull the locking ring back.



## 5. Change the visor/frame



**5.1** Release the head harness which is secured by means of two socket-head screws at the top corners of the frame.



**5.2** Pull off the 8 rubber studs and remove the frame and visor.



**5.3** Straighten the frame or fit a new frame and place it on a flat surface with the short side towards you. Fit 4 studs into the two furthest holes on each side.

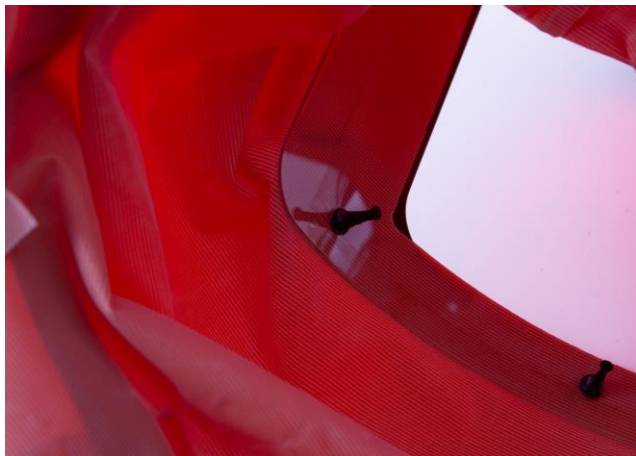


**5.4** Place the hood over the frame and insert the 4 studs into the corresponding holes in the hood.

## 5. Change the visor/frame



**5.5** Remove the protective films from the visor and from the double-sided adhesive tape.



**5.6** Fit the visor, with the tape facing downwards, over the rubber studs. Bear in mind that the holes for the head harness screws must be oriented in the same direction as the hood and frame. Secure with the studs, possibly using a pair of pliers.



**5.7** Bend the frame to the required shape. Align the vacant holes for the studs in the frame, hood and visor. Insert the studs and secure them by pulling the studs from the inside of the hood. The simplest procedure is to fit one stud at a time.



**5.8** Press the visor towards the frame all round, so that the tape will stick to the hood material. Fit the head harness. Make sure that the beads in the mounting plate of the head harness are oriented into the guide holes in the visor.

## 6. Change the breathing hose



**6.1** Release the hose from the control valve



**6.2** Release the hose from the hood by cutting off the hose clip with a pair of nippers



**6.3** Thread the hose clip supplied onto the new hose and connect the hose to the hose nipple of the hood. Secure the hose clip by means of the pincers.



**6.4** By pulling the hose, check that it is firmly secured to the hood.



## 7. Cleaning

In the event of more serious soiling, white spirit or similar degreasing agent can be used.

Then wash with dishwashing detergent solution, rinse and leave to dry.

After cleaning, store the equipment in a dry and clean area at room temperature.

Avoid direct sunlight.



**7.1** Use a piece of soft cloth or a sponge dipped in a solution of water and dishwashing detergent or the like. Rinse and leave to dry.



## 8. Maintenance schedule

	Before use	After use	Annually
Visual inspection	•	•	•
Functional check	•		•
Cleaning		•	
Change of breathing hose			•

The schedule shows the recommended minimum maintenance procedures required in order to ensure that the equipment is always in functional condition.