

Operation Instruction

SR 520

Hood



General information

Before use, these user instructions and those for the SR 500 PAPR, cartridges and filters must be thoroughly studied and understood. Available in two sizes.

The SR 520 together with the SR 500 Powered Air-Purifying Respirator PAPR system of components to provide respiratory protection against certain particulates, organic vapors, acid gases and other inorganic gases. Refer to the NIOSH Approval Label for a list of approved components and NIOSH cautions and limitations.

When selecting equipment for SR 520 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.

Unpacking



Check that the equipment is complete in accordance with the packing list and has not been damaged in transit.

Packing list:

- Hood with breathing hose
- User instructions
- Cleaning tissue

1. Assembly



1.1 Remove the protective film on the visor.



1.2 Check that the O-ring of the hose is in place.



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

2. Functional check before use

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, 6.2CFM (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. Putting the hood on



3.1 Adjust the head harness by adjusting the length of the Velcro strap. This is important for ensuring a good fit.

Connect the hose, put the fan unit on and start it. See the user instructions for the SR 500.



3.2 Grip the hose mounting with one hand and, with the other, hold the strap in the lower part of the hood.



3.3 Put your chin into the hood.

Keep hold of the strap and pull the hood over your head with the hand holding the hose mounting.

Adjust the hood so that it seals all the way round your face and so that it fits firmly and comfortably. Make sure that the breathing hose runs along your back and is not twisted.



4. Change the exhalation membrane



4.1 The exhalation membrane is mounted on a pin on the inside of the valve cover. The cover must be changed at the same time as the membrane. Proceed as follows:

Snap off the valve cover.



4.2 Slip off the membrane.



4.3 Press the new membrane onto the pin. Carefully check that the membrane is in contact with the valve seat all way round.



4.4 Press the valve cover into place. A clicking sound indicates that it is in place.

5. Change the sweatband



5.1 The sweatband is secured to the forehead strap by double sided adhesive tape.

Proceed as follows:

Pick away one end of the sweatband so that it is removed together with the tape. Pull sweatband off.



5.2 Remove the protective paper and fit the new sweatband.



5.3 The forehead strap and the sweatband should be mounted edge to edge.

6. Cleaning

If it is necessary, spray the product with 70 % ethanol or isopropanol solution for disinfection.

Do not soak respirator inlet coverings in cleaning solutions or solvents. Do not wipe the respiratory protection inlet coverings with strong solvents such as MEK, acetone, or toluene as those may damage or distort materials.



6.1 Sundström cleaning tissues SR 5226 are recommended for daily care.



6.2 If the equipment is more heavily fouled, use a soft brush or sponge moistened with a solution of water and dishwashing detergent or the like. Rinse the equipment and leave it to dry.

6. Cleaning



6.3 Snap off the valve cover from the valve seat.



6.4 Remove the membrane. Clean the exhalation membrane



6.5 Clean the valve seat and check that the valve seat is ok.



6.6 Clean the valve cover on the inside and outside.

7. Maintenance schedule

	Before use	After use	Annually
Visual inspection	•	•	•
Functional check	•		•
Cleaning		•	•
Change of exhalation membrane			•

The schedule represents the minimum requirements for maintenance routines in order to ensure that equipment will always be in functional condition.