

Operation instruction

# SR 307

Compressed air attachment



## General information

User's Instructions for SR 307 should be read before use.

The Sundström model number SR 307 Compressed air attachment is a Type C, Continuous Flow, Supplied Air Respirator (CF/SA). SR 307 has been tested and approved by NIOSH to provide the approved level of respiratory protection to a user.

The Sundström SR 307 compressed air attachment can be used together with Sundström half mask, SR 100 and with full face mask SR 200.

Use of a respirator must be part of a respiratory protection program.

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

## Breathable air

Breathable air shall conform to the requirements of CGA G-7.1 Grade D or higher quality.

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



Check that the equipment is complete in accordance with the packing list and that no transport damage has occurred.

### Packing list

- Connection adapter with hose
- Control valve
- Belt
- Locking ring
- Flow meter
- User instructions

## 1. Functional check



**1.1** Check that the mask is complete, correctly assembled, thoroughly cleaned and undamaged.

Check that the airflow measured through the mask is at least 5.3 CFM (150 l/min). Connect the breathing hose to the regulator



**1.2** Connect the compressed air hose to the regulator.



**1.3** Turn the control valve knob anticlockwise as far as it will go in order to throttle the air flow rate to a minimum.

## 1. Functional check



**1.4** Place the equipment in the bag and grip the lower part of the bag so that the bag seals around the breathing hose. Grip the flow meter with the other hand and hold it so that the tube points vertically up from the bag.



**1.5** Read the position of the ball in the tube. It should float level with or just above the marking on the tube 5.3 CFM (150 l/min).

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

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

## 2. Putting the equipment on



**2.1** Put the belt on and adjust the length. Arrange the regulator 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** Then fit the compressed air attachment to the mask.



**2.3** The locking ring should always be used for securing the mounting of the compressed air attachment.

## 2. Putting the equipment on



**2.4** Connect the breathing hose to the control valve outlet.



**2.5** Connect the hose to the control valve inlet.

The mask is now being supplied with air and you can put it on. Then adjust the harness so that the face piece is held firmly but comfortably in place.

See the user instructions for the mask you are using.



**2.6** Use the regulator knob to set the air flow rate to suit your current work intensity.

In the fully closed position (turn the knob anti-clockwise), the flow is about 5.3 CFM (150 l/min), and in the fully open position (turn the knob clockwise), it is about 12 CFM (340 l/min).



## 3. Taking the equipment off



**3.1** Leave the polluted work area before taking the equipment off.

Remove the mask.



CEJN connectors:

Push the coupling towards the nipple, at the same time pulling the locking ring back.

Schrader and Hansen connectors:

Twist the locking ring on the coupling.

Releasing the breathing hose:

Push the coupling towards the nipple, at the same time pulling the locking ring back.

After every period of use, check that no defects have occurred, and clean the equipment.

The breathing hose retaining clip which is supplied can be used to advantage for securing the breathing hose to your body

## 4. Cleaning

The SR 307 should be cleaned in the following manner: 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. In the event of more serious soiling, white spirit or similar degreasing agent may be used. Then wash with dishwashing detergent solution, rinse and leave to dry. Sundström cleaning wipes SR 5226 are recommended for daily care.

For particulars of cleaning of the Sundström half mask and full mask, see the appropriate user instructions.



Sundström cleaning wipes SR 5226 can be used for daily cleaning.

## 5. Maintenance schedule

**5.1** The schedule below shows the minimum requirements on maintenance routines to assure the user that the equipment will always be in usable condition.

	Before use	After use	Annually
Visual inspection	•	•	•
Functional check	•		•
Cleaning		•	

## 6. Breathing hose



**6.1** To change the breathing hose, proceed as follows:  
Cut off the hose clip with a pair of pincers and pull the hose off.



**6.2** Thread the hose clip and retaining clip onto the new hose.



**6.3** Connect to the adapter and use a pair of pincers to nip the hose clip.



**6.4** Apply a load to the hose to check that it is firmly secured to the compressed air attachment.