

Operation instruction

# SR 307

Compressed air attachment



## General information

Instructions for use for SR 307 should be read before use.

The Sundström SR 307 compressed air attachment can be used together with Sundström half masks, and with full masks of all makes with standard thread in accordance with EN 148-1:1999.

This combination then forms a breathing apparatus with continuous air flow for connection to a compressed air supply in accordance with EN 14594:2005 and AS/NZS 1716:2012.

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

For advice see EN 529:2005 or AS/NZS 1716:2012. The guidance contained in these standards highlights important aspects of a respiratory protective device program but does not replace national or local regulations.

## Breathable air

Breathable air shall meet at least the following purity requirements according to EN 12021:2014:

- the pollutants must be maintained at a minimum and must never exceed the hygienic limit value
- the content of mineral oil shall be so low that the air will have 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 ensure that no internal freezing will take place in 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



## Packing list

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

# 1. Functional check



**1.1** Check that the minimum flow of air through the adapter is about 150 l/min. Proceed as follows:

Connect the breathing hose to the control valve.



**1.2** Connect the compressed air hose to the control valve.



**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.

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 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** Then fit the connection adapter of the compressed air attachment to the face piece.



**2.3** In combination with a full-face mask, the locking ring should always be used for securing the mounting of the connection adapter.

## 2. Putting the equipment on



**2.4** Connect the breathing hose of the compressed air attachment to the control valve outlet.



**2.5** Connect the tube to the control valve inlet. The face piece 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 face piece you are using.



**2.6** Use the control valve 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 150 l/min, and in the fully open position (turn the knob clockwise), it is about 320 l/min.



## 3. Taking the equipment off



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

Remove the face piece.

Both couplings are of safety type and are released in two stages.

**1. Push the coupling towards the nipple.**



**3.2**

**2. Pull the locking ring back.**

## 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.



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



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



**6.4** Apply a load to the hose to check that it is firmly secured to the adapter.