



training



Sundström 
SR63
Supplied air hood





Companion module:

Sundström SR63 supplied air hood — **HOW TO...**

Related material:

Sundström SR307 supplied air regulator

Sundström SR99 supplied air filter

About your SR63 supplied-air hood:

What is it?

A supplied-air hood is a respiratory protection device that covers your entire head, neck and the upper part of the shoulders. A continuous flow of clean breathing air is fed into the hood.



How does it work?

Clean air from a remote source (such as a compressor or pump) is fed into the hood through the supplied-air hose at a constant, high flow rate. This keeps the hood filled with clean breathing air at a higher pressure than outside air, preventing any contaminated air from entering the hood.

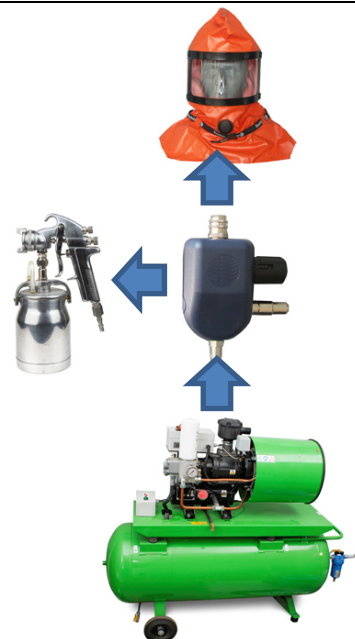
The main advantage of a supplied-air hood is that it does not rely on a tight face seal, and does not have to be fitted perfectly to the user's face. This means that even bearded people can use the hood.



Advantages

There are many benefits associated with wearing a supplied-air hood as opposed to a tight-fitting respirator. Advantages include:

- Fits over the entire head, neck and shoulders
- Often a good solution for bearded users or users with skin complaints, dentures, unusual face features or other problems that may hinder the use of tight-fitting masks
- Durable PVC-supported nylon material
- Crush-proof, scratch-proof polycarbonate visor
- Can be used with SR307 regulator (picture, centre) with extra outlet for compressed air tools such as spray guns, allowing the air tool to be fed by the same air supply



Drawbacks

In essence, the main downside of using a supplied-air hood is the air supply itself. It necessarily means that mobility can be restricted by the need to always be connected to clean breathing air through the supply hose. In addition, the length of the hose limits the distance the wearer can move away from the source of the breathing air.



IMPORTANT: about the quality of supplied air for breathing:

- The intake air at the source (compressor etc.) must be free of contaminants, or at least kept to a minimum and never exceed hygienic limit levels
 - Any mineral oil content must be kept below the smell threshold level (about 0.3 mg/m³)
 - The air must not be so cold as to cause internal freezing of the equipment
- If there are any doubts as to any of the points above, a supplied-air filter should be used, such as the Sundström SR99 airline filter in the picture



Where can the SR63 be used?

The SR63 supplied-air hood can be used in more situations than negative-pressure filter respirators:

- Wherever negative-pressure filter respirators can be used
- Where the user has a beard, stubble, moustache, goatee, whiskers, sideburns or other facial hair that can interfere with the facial seal of a respirator
- Skin conditions, severe acne, dentures, unusual face shape/size, inability to wear a tight-fitting respirator for psychological or other reasons
- Where the contaminant has poor warning properties (smell or taste)
- Where the contaminant is particularly toxic (such as two-pack paint; toluene diethylamide and others)
- Where the concentration of the contaminant is so high that filter respirators are not permitted
- In flammable atmospheres (the SR63 is made from materials that cannot cause frictional sparks)



When should the SR63 hood NOT be used?

- If there is not enough oxygen for human breathing in the ambient atmosphere
- If the contaminant is unknown
- If the contaminant is Immediately Dangerous to Life and Health (IDLH)
- If the ambient atmosphere is oxygen-enriched or pure oxygen
- If breathing becomes difficult
- If you can smell or taste any contaminant
- If you feel dizzy or nauseous, or suffer any discomfort
- If the warning whistle on the regulator sounds



Spray painting

One of the most common types of work with the SR63 is spray painting. If the job involves a lot of spattering and spraying, a practical accessory is protective film for the visor. The film covers the visor and can be torn off as soon as poor visibility becomes a problem. You can even attach several sheets of film to the visor and tear them off as you go.



Before fitting the hood:

- Make sure the hood is clean and intact
- Make sure it is securely connected to the air supply through the regulator
- Make sure the quality of the breathing air is adequate
- Make sure you are familiar with the equipment and know how to use it



Watch this on **YouTube**

(using your SmartPhone, tablet or computer)



<http://youtu.be/CiIoVptqIwo>
