



**training**



**Sundström**   
**SR307**  
Supplied air regulator





### Companion module:

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Sundström SR307 supplied air regulator — **HOW TO...**

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### Related material:

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Sundström SR63 supplied air hood

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Sundström SR99 supplied air filter

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## About your SR307 supplied-air regulator:

### What is it?

A supplied-air regulator is the intermediate connection between a continuous-flow air supply and a face-piece or headpiece, such as a respirator or hood.



### How does it work?

Clean air from a remote source (such as a compressor or pump) is fed into the regulator, which is worn on the user's waist. After moving through the regulator, the air then continues into a face piece or head piece, such as a mask, hood or helmet, allowing the user to breathe the continuous flow of clean air. The regulator is fitted with a control valve that allows the user to adjust the air flow to the mask or hood. In addition, the regulator is fitted with an extra outlet for a spray gun or other air-driven tool. A warning whistle is also fitted to the regulator, letting the user know if the air supply drops below a safe level.



### Breathing air hose

The supply hose must be certified for breathing air. The most important qualities are:

- Odourless
- Kink and tangle proof
- Passing pull tests and pressure tests
- Fitted with connectors that cannot be connected to non-breathing air



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**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/m<sup>3</sup>)
- The air must not be so cold as to cause internal freezing of the equipment

If there are any doubts about any of the points above, a supplied-air filter should be used, such as the Sundström SR99 airline filter



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#### *How can the SR307 be used?*

The SR307 supplied-air regulator can be used with a variety of head and face pieces:

- SR100 half face respirator (through filter adapter) [A]
- SR200 full face respirator (through filter adapter) [B]
- SR200A full face respirator with airline connection [C]
- SR63 supplied-air hood [D]



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#### *The filter adapter*

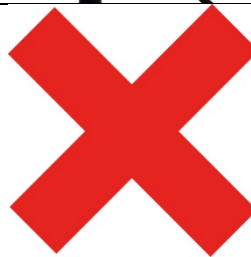
Through the filter adapter, the SR307 supplied-air regulator can be used with normal Sundström filter respirators SR100 (half mask) and SR200 (full face mask) without any modifications. The Filter adapter simply fits into the respirator's filter mount just like a regular filter.



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#### *When should the SR307 regulator 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

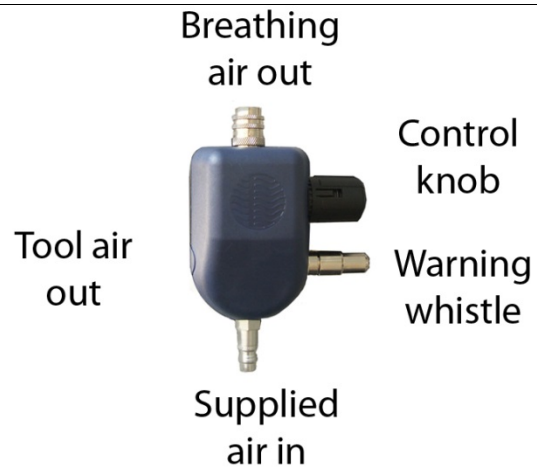


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### Main features

The SR307 regulator is made for the greatest possible simplicity and reliability.

- Only one control knob. Large and easy to turn, even when wearing thick gloves
- Control valve can be adjusted from 150 litres/minute to 320 litres/minute. The air flow cannot be shut off
- Secure spring connectors. Two-way unlocking to prevent accidental disconnection
- In-built extra air outlet for spray gun or other air-driven tool
- Warning whistle sounds if air supply drops below 150 litres/minute
- Wide, rugged waist belt. Easy to fit and adjust



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### Before using the regulator:

- Make sure the regulator and all connectors are clean and intact
- Make sure all hoses are securely connected to the regulator
- Make sure the quality of the breathing air is adequate
- Make sure all hoses are rated for breathing-quality air
- Make sure you are familiar with the equipment and know how to use it



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Watch this on **YouTube**

(using your SmartPhone, tablet or computer)



<http://youtu.be/rtWR5OULWvA>

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