training


Sundström

# SR99

## Supplied air filter



## Companion module:

Sundström SR99 Supplied air filter — **HOW TO…**

## Related material:

Sundström supplied-air hoods

# About your SR99:

### *What is it?*

The SR99 is a supplied-air filter: it converts raw supplied air into clean, safe, odourless breathing air.
In addition, the SR99 can simultaneously be used to drive air-fed tools, such as staple guns, nail guns and spray guns.

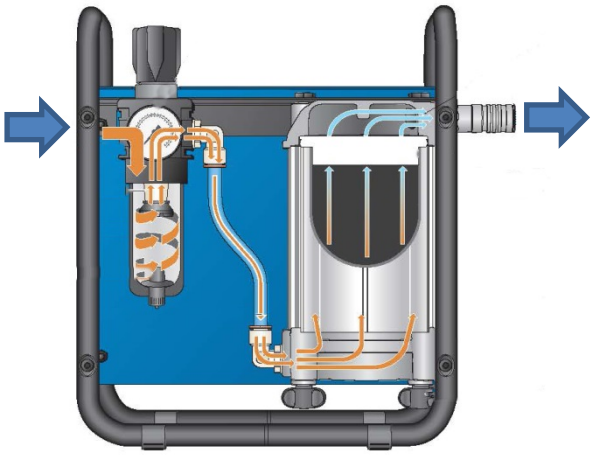
### *How does it work?*

Raw supplied air comes directly from a pump, compressor or large container of air under pressure. Such air can be polluted with oil mist, smoke, fumes, humidity, unpleasant smells and other pollutants.
The SR99 is connected between the air source and the user. The raw air is cleaned through a set of filters that absorb gas and particles. The SR99 also contains a water trap that captures liquid droplets, spray and mist.

### *Components*

The SR99 is made up of three main parts:

- Regulator (keeps max air flow to 900 litres/minute — enough for 3 users or air tools)
- Pre-collector (sorts out oil, water, coarse particles and dirt, and collects these in a drainable bowl).
- Main filter (separates gas, fumes, mist, smells, and very fine particles).



**IMPORTANT:** an air tool (spray gun, pneumatic nail gun etc.) counts as one user. The SR99 can deliver air to a maximum of three users OR air tools. If serving the maximum number of users or tools, the source of air (compressor/cylinder) must deliver at least 900 litres of air per minute.

### *Where can the SR99 be used?*

The SR99 supplied-air filter can be used in all fixed supplied-air systems where there is a need for clean breathing air, or where air-fed tools or instruments require an air supply free of impurities.

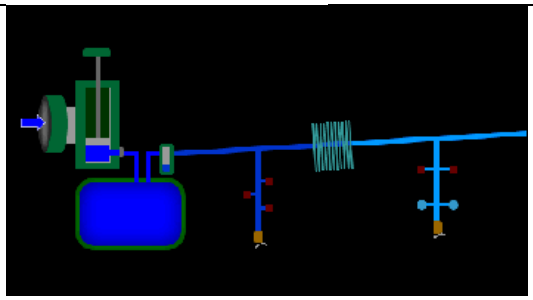
### *Setting up the system*

A fixed supplied-air system has to be designed, constructed and maintained properly. While many air tools can be operated on unfiltered air, breathing air should always be clean and free of humidity, oil and odours.

Watch this on YouTube

*(using your SmartPhone, tablet or computer)*

Scan the QR-code or enter the internet address in your browser.

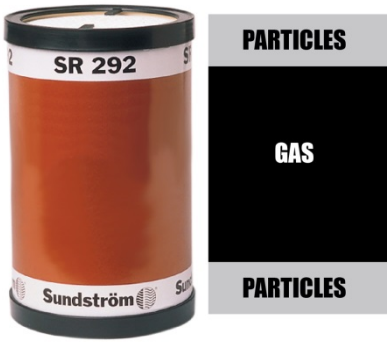


*(http://youtu.be/7BK40r0xfPc)*

### *What's inside the filter?*

The filter contains two high-efficiency P3 particle filters: one at each end of the filter cylinder. Between the two particle filters is an activated carbon gas filter.

Under normal conditions, the filter should last around 6 months, but this can vary greatly depending on a range of operational and environmental factors. The corresponding *HowTo* module suggests how to check the filter.



### *Specifications*

- Input thread: ½” BSP female.
- Supply pressure: 6–10 bar (600–1,000 kPa).
- Output connectors: Thread 1/2" BSP Female. Supplied with 1 x CEJN 342 series coupling. Option for additional coupling. A twin Y-coupling can also be fitted making 3 outlets.
- Airflow: Max 900 litres/minute — 3 users or air-tools.
- Filtering surface (P3 filter): ≈2,200 cm².
- Activated carbon (A3 gas filter): ≈500 g.
- Adsorption capacity (A3 gas filter): ≈100–150 g oil.

Watch this on YouTube
*(using your SmartPhone, tablet or computer)*

*(http://youtu.be/3Dhl9s45X58)*