



training



Sundström 
SR99
Supplied air filter



HOW TO...

HOW TO...

...prepare your supplied-air system

Air quality

If you are using a compressor or pump to supply breathing air to the user, the placement of the air intake is crucial. The air at the source:

- Must have a minimum of impurities.
- Must never exceed the hygienic limit level.
- Must contain so little mineral oil that no smell of oil is detectable (usually less than 0.3 mg/m³).
- Must ensure that the dewpoint of the air is so low that no water condensation will occur.



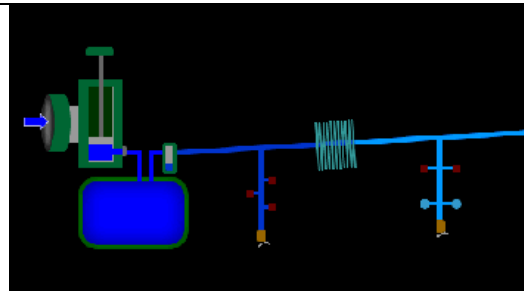
Setting up the system

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 smells.

Watch this on 

(using your SmartPhone, tablet or computer)

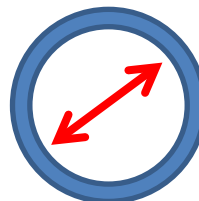
Scan the QR-code or enter the internet address in your browser.



(<http://youtu.be/7BK40r0xfPc>)

The supply line from the air source to the supplied-air filter must be at least 11 mm in inside diameter.

A thinner hose or pipe may restrict maximum airflow.





HOW TO...

...prepare the SR99

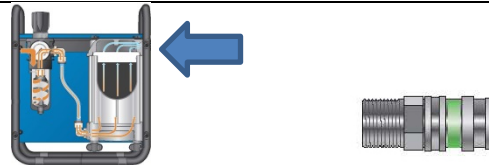
Inlet

The inlet thread is a 1/2" BSP female. Fit a suitable coupling/nipple that matches your fixed supplied-air system.



Outlet

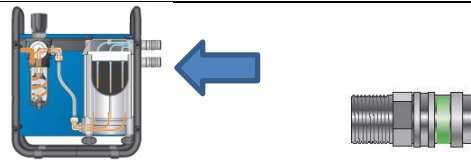
There are two 1/2" BSP female outlets (one outlet is plugged on delivery). The unit is supplied with one CEJN 342 series coupling. Fit the supplied coupling to the open outlet.



HOW TO...

...make 2 outlets

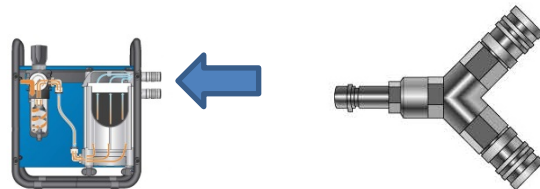
Remove the plug and fit a second outlet coupling (not supplied).



HOW TO...

...make 3 outlets

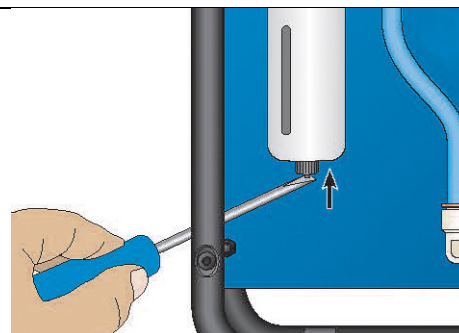
Connect the Y-coupling to one of the outlets. You now have 3 outlets.



HOW TO...

...drain the water trap manually

The water trap drains itself automatically as soon as the air supply is turned off. You can also drain it manually by pressing on the drain valve at the bottom of the bowl with a screwdriver or similar.



IMPORTANT!

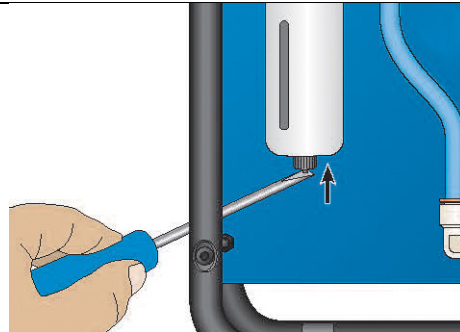
Draining the water trap manually will also depressurise the entire SR99. Before performing any maintenance on the SR99, switch off the air source, disconnect the supply hose, and depressurise the SR99 as shown.

**HOW TO...****...remove the filter**

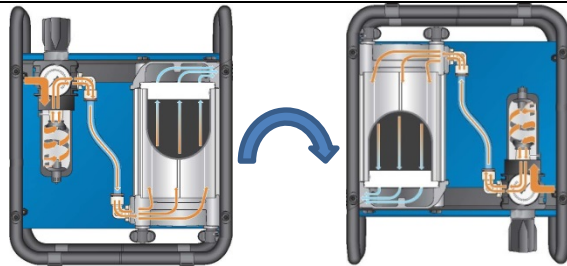
- Turn off the air supply or disconnect the incoming air.



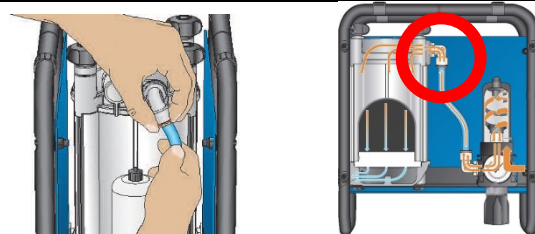
- Drain the water trap manually. This will also depressurise the entire SR99 unit.



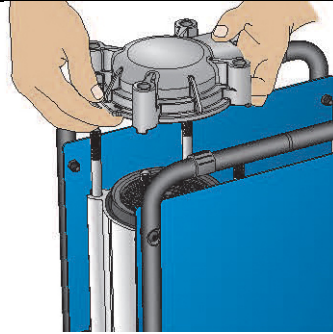
- Turn the SR99 upside-down.



- Push the red ring on the hose connector on the filter, and disconnect the hose.



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- Unscrew all 4 knobs holding the lid. Lift off the lid.



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- Lift out the filter itself.



HOW TO...

...check whether the filter needs to be replaced

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- If you can smell or taste any impurities in the breathing air, replace the filter immediately.
 - Check the date stamp on the filter. If the date has expired, fit a new 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.
 - One way of checking whether the filter needs to be replaced is to weigh it. The weight of the filter when it was unused is displayed on the filter exterior. If the weight has increased by 100–150 grams, replace the filter.

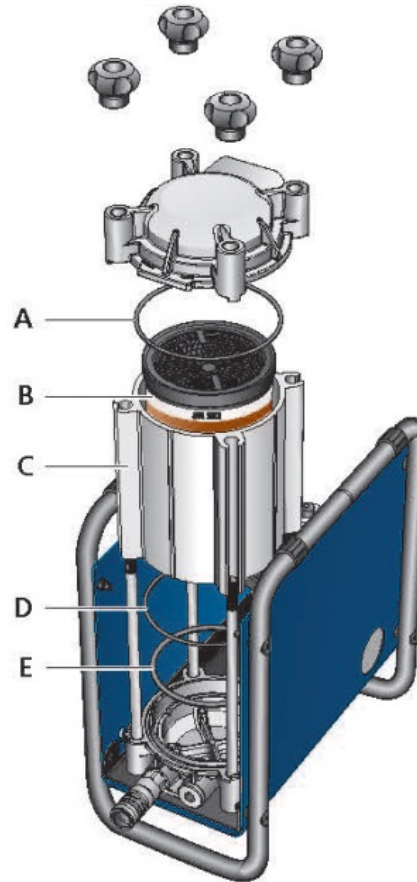




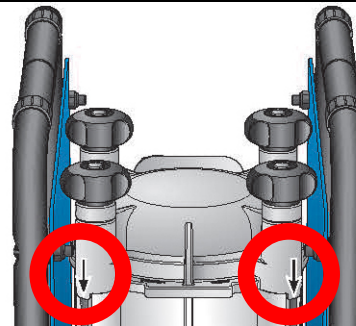
HOW TO...

...fit a new filter

Put the filter components back in reverse order. The filter ends are identical, and it doesn't matter which way the filter is inserted. Pay attention to the order and number of the sealing rings (A, D and E in the picture).



Ensure that the lid fits snugly, and that the end caps fit into their respective grooves.



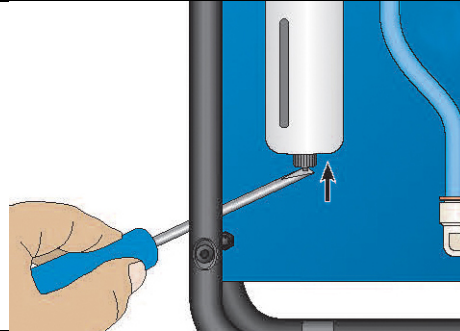
HOW TO...

...clean the pre-collector

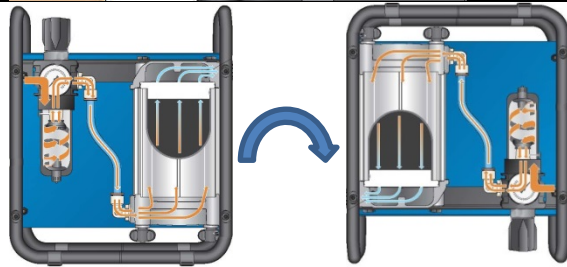
- Turn off the air supply or disconnect the incoming air.



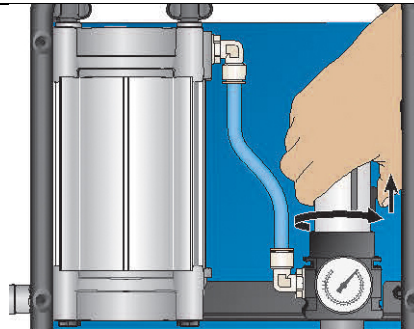
- Drain the water trap manually. This will also depressurise the entire SR99 unit.



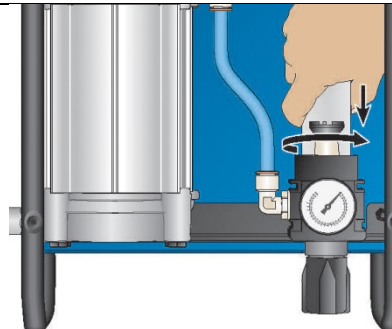
- Turn the SR99 upside-down.



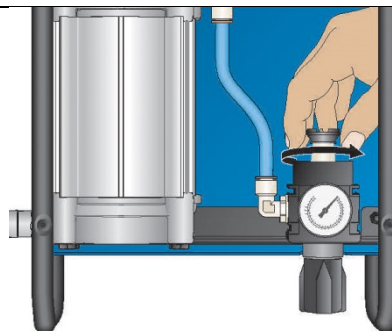
- Remove the outer guard. Slide the black locking device down, and turn the outer guard anti-clockwise (bayonet fitting). Lift off.



- Remove the bowl. Push down and turn anti-clockwise (bayonet fitting). Lift off.
- Wash the bowl in maximum +60°C water only. Do not use solvents.



- Unscrew and remove the collector element.



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- Blow-clean and dry all parts with a supplied-air gun.



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- Reassemble all parts in reverse order.
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HOW TO...

...clean the exterior of the SR99

Use a mild detergent and water and wipe the exterior of the filter with a soft cloth, sponge or brush. Warm water may give a better clean. Leave to dry and store in a dry, clean area at room temperature away from direct sunlight. The unit can also be cleaned and blow-dried with a supplied-air gun.



IMPORTANT! Never use solvents to clean the equipment.



Watch this on **YouTube**

(using your SmartPhone, tablet or computer)



(<http://youtu.be/Tt6Q4uDvHrY>)
