



training



Sundström 
SR900
Modular respirator



HOW TO...



HOW TO...

Fit the SR900

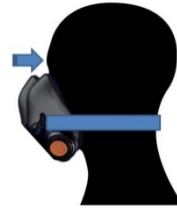
Sling the lower neck strap around your neck.



Hold the mask up to your chin.



Cup the mask up, until it covers your mouth and nose.



Hold the mask in position, pull the upper head harness up and over your head. Make sure the upper strap sits on the crest of your head.



If necessary, unlock the buckles at your neck and tighten or loosen the tension of the strap.



Even out the tension of the head harness by hooking your fingers around the LOWER strap and pulling outwards a few times. This will increase the lift of the upper strap, supporting the weight of the filter.

IMPORTANT:

Never pull the head harness over a hard hat, ear muffs, goggles, cap or other head gear – the harness must be fitted DIRECTLY on your head.





HOW TO...

Fit the filter holder

Insert the bayonet fitting of the filter holder into the corresponding fitting in the mask, then turn $\frac{1}{4}$ turn clockwise until it snaps securely into place.

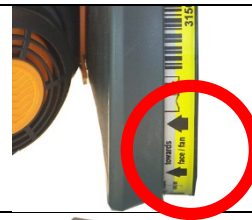
To remove the filter holder, turn it $\frac{1}{4}$ turn anti-clockwise and pull away.



HOW TO...

Fit a filter

Make sure the filter is facing the correct way (arrow pointing towards the respirator).



Place the filter inside the rubber fitting ring of the mask.



Ensure that the flange of the filter fits into the groove all the way around the rubber fitting.



Fit a pre-filter to the front of the main filter or combined filters.





HOW TO...

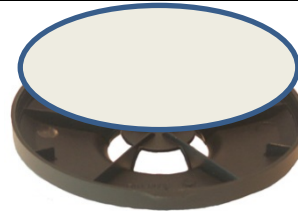
Fit a pre-filter

IMPORTANT:

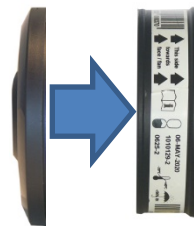
A pre-filter should ALWAYS be attached to the front of any main filter, whether a particle or a gas filter.



Place a pre-filter in the pre-filter holder.



Snap the pre-filter holder with the pre-filter onto the front of the main filter.



HOW TO...

Check for leakage

Make sure the mask is completely assembled with all parts intact, including filter, pre-filter and pre-filter holder



Fit the respirator on your face.



Cover the centre hole in the pre-filter holder with the palm of your hand.



Breathe in and hold your breath for about ten seconds.

The mask should collapse against your face and remain collapsed until you breathe out again.



If the mask returns quickly to its normal shape, there may be a leakage problem. If so, repeat the leakage test. If the same problem happens again, see your supervisor.



HOW TO...

Remove a filter

Pull the rubber tab at the bottom of the filter flange and peel back the rubber rim until the filter is free.



HOW TO...

Wear your breathing hose

There are two types of breathing hose: single and twin.
Most SR900 configurations can use either the single or twin hose.



You can use the hose as is, but if your work involves heat, sparks or open flames, you may choose to cover the hose with a protective flame-resistant cover. Both the single and twin hoses can be protected in this way. Slip the protective cover around the hose. If required, fasten with the Velcro straps.



Whatever breathing device you use, the single hose is designed to be worn on either side of the body. The twin hose is worn on both sides of your neck.



The **nozzle** end of the breathing hose connects to one of the following breathing devices:

- Remote Filter Holder
- SR500 PAPR
- SR700 particle PAPR
- SR507 supplied-air regulator (NOTE: for single hose only)



The **valve** end of the breathing hose connects to the SR900 respirator.



HOW TO...

Fit the hose to the mask

Insert the bayonet fitting of the valve end of the breathing hose into the bayonet fitting of the mask. Angle the hose connector until the two fittings match. Then turn the hose connector $\frac{1}{4}$ turn clockwise until it snaps into position. The same procedure applies to both the single and the twin hose.



To remove the hose, turn it anticlockwise and pull out the hose connector.



HOW TO...

Fit the hose to a device

The nozzle end of the hose can be connected to various devices:

- Remote Filter Holder
- SR500 PAPR
- SR700 particle PAPR
- SR507 compressed air attachment (with single hose only)

The procedure is the same for all devices:

- Make sure the O-ring at the tip of the hose is intact.
- Insert the hose into the hole in the device, fitting the two protruding lugs into the corresponding slots of the bayonet fitting.
- Turn the hose clockwise until it locks securely.



To remove the hose from the device, turn the connector anticlockwise and pull out.

IMPORTANT: Before using the SR900 respirator with any of the devices listed above, make sure you are familiar with the device and know how to use it correctly. Please consult the appropriate training modules for the respective device.



HOW TO...

Fit to SR307 supplied-air regulator

Attach the SR307 connection adaptor as you would a filter.



Connect the filter adapter just as you would a filter.



IMPORTANT: Before using the SR900 respirator with the SR307 supplied-air regulator, make sure you are familiar with the regulator and know how to use it correctly. Please consult the SR307 training modules.



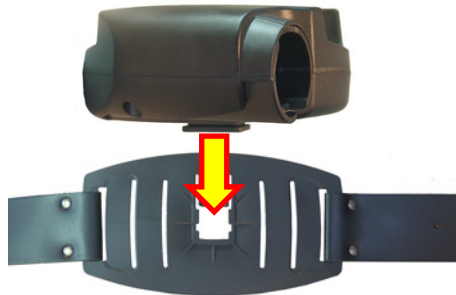
HOW TO...

Use the Remote Filter Holder

The remote filter holder lets you wear the filter around your back on a waist belt. This may be of benefit if the work you perform involves heat, sparks, spray or splashes.



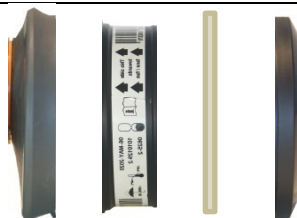
Fit the filter holder to the belt attachment. The square flange on the holder fits into the square hole on the attachment. Slide the two parts together until the locking tongue locks into position.



You may choose to wear the filter holder horizontally or vertically. In either case, ensure that the hose connector is located on the upper side of the belt.



Fit a main filter or combined filters, pre-filter and pre-filter holder into the rubber filter holder, as described earlier.



CAUTION: You may wish to remove the inhalation membrane to minimise breathing resistance. However, it is very important to reinsert the membrane if you want to use the filter holder in other configurations.



Match up the bayonet fittings on the filter holder and the Remote Filter Holder and turn ¼ turn clockwise until it locks into position.



1/4 turn

Fit a single or twin breathing hose between the SR900 respirator and the Remote Filter Holder, fit the mask to your face and tighten the waistbelt.



HOW TO...

Prepare for use in welding

The remote filter holder is ideal for use in welding. When the assembled equipment is fitted, it is placed at your back directly behind you. This helps keep the filter intake away from all welding hazards, such as heat, sparks and toxic metal fumes that may be released in the welding process.



The remote filter holder gives the SR900 respirator a much more shallow profile, enabling it to easily fit inside most welding hoods or shields.



A spark-proof and flame-resistant cover is available for protecting the breathing hose from heat, the arc or flame, and flying sparks during the welding.



Covers are available for both both the single and twin hoses.

Simply slip the cover around the hose. If required, fasten with the Velcro strips.

A spark-catching metal mesh can be inserted into the pre-filter holder, preventing any sparks from hitting the pre-filter or main filter. Simply fit the mesh into the pre-filter holder before inserting the pre-filter.



HOW TO...

Give the SR900 a QUICK CLEAN

IMPORTANT:

Only a CLEAN respirator can provide effective protection. The mask should be cleaned and checked after each use — a simple procedure that takes only a minute.

Cleaning may be done with warm soapy water and a soft cloth, or by using Sundstrom's special sterilised hygienic cleaning tissues that keep your mask soft and flexible.

NEVER USE SOLVENTS OR ABRASIVES.

Clean the outside of the respirator, checking for cracks or other damage.

Wipe the inside of the mask, including any 'nooks and crannies' inside the respirator.



Make sure the face rim and chin cup of the mask are thoroughly clean.



Replace the pre-filter with a new one.



HOW TO...

Perform a THOROUGH CLEAN

Give the respirator a quick clean, as described above.

Remove the filter and wipe the inside of the filter holder. Pay special attention to the groove in the filter rim when cleaning.



Remove the protective caps from the exhaust valves. Pull out the membranes and wipe clean. Wipe the valve seats before refitting the valves and replacing the protective caps. It is of critical importance that both membranes and seats are clean and intact. No dirt or grime must remain, and the parts must not have any cracks, tears or other damage.



Remove the inhalation membrane from the filter holder or hose attachment. Clean the membrane and the valve seat. Replace. Make sure ALL valves are properly fitted. Put the respirator to your face and draw a few deep breaths to make sure that the valves are in good working order.



If the headstrap is very dirty, detach it, clean and dry separately before re-attaching. Tip: use a toothbrush to clean the strap.



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



<https://youtu.be/hlO-wpwjzC8>
