



training



Sundström 
SR700

Powered Air Purifying
PARTICLE
Respirator (PAPR)



HOW TO...

 **HOW TO...**

...prepare the SR700 Particle PAPR battery for first use

BEFORE YOU START:

- Make sure the respirator and all its parts are clean and intact
- Make sure you are familiar with the equipment and know how to use it



If it is the **FIRST TIME** you unpack and use the respirator, you must first charge the battery.



Plug in the battery charger to a wall socket and to the battery.



There is an indicator light on the charger. Do not unplug the charger until the battery is fully charged and the charger displays a **GREEN** light.

ORANGE means that the battery is charging.
YELLOW means that the battery is almost fully charged.

GREEN means that recharging is complete.

Slide the battery into its position in the respirator fan unit until the lock clicks shut.



Use the battery lock tab to undo the battery when you need to recharge it again.



BATTERY TIPS:

- Always recharge battery BEFORE it is completely drained
- Don't try to recharge other batteries
- Don't use any other chargers
- Recharge the battery indoors
- The equipment becomes hot — do not cover battery or charger during recharge
- Keep battery and charger away from liquids and moisture
- Prevent short circuits by contact with metal objects
- Don't take battery apart
- Keep battery away from naked flame: risk of explosion

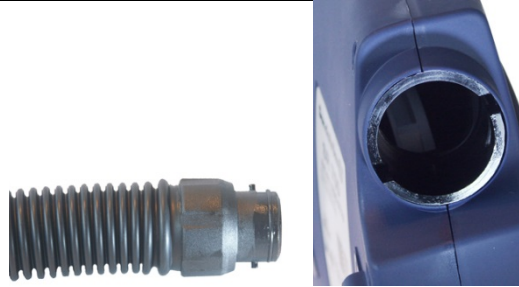
**HOW TO...****...assemble the SR700 PAPR**

Place the fan unit upside-down. Fit the three tongues in one of the belt attachments into the slots in the fan unit. Continue pushing the attachment until it snaps into place. Repeat with the other belt attachment on the opposite side. Do not get left and right mixed up. Make sure the plastic 'wings' are curved downwards with the fan unit upside-down, as shown in the picture.



Head pieces come with their own breathing hose.

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



If using the SR700 with the SR200 full face mask, screw the threaded end of the hose into the front of the face piece.





HOW TO...

...attach UNTHREADED particle filters to the SR700

Make sure you are using particle filters only. Prefilters MUST be used. If uncertain how to use filters, see the training module on Sundström filters.



You will need two filter adapters.

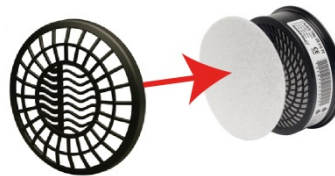


With even pressure using both hands, squeeze the particle filter into the filter adapter until it snaps into place. Repeat with the other filter adapter.

NOTE: the filters in both filter adapters must be IDENTICAL! You must not use different filters or filter combinations.



Place a prefilter on each particle filter and secure it with a prefilter holder.



Screw in the two assembled filters into the fan unit.



HOW TO...

...remove filters from adapters

Insert a coin or similar between the filter rim and the filter adapter and twist the two apart.



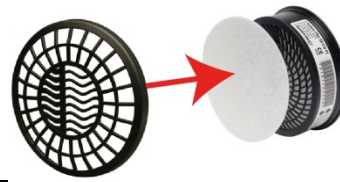
HOW TO...

...attach THREADED filters

Screw two identical filters directly into the fan unit.



Place a prefilter on each particle filter and secure it with a prefilter holder.



Make sure the filters are securely screwed on.



HOW TO...

...operate the fan unit

The SR700 is operated with a single button. Switch on the fan by pressing the button once.



The fan will start and perform a self-test. During the test, the display symbols will light up, the alarm will sound, and the vibrator will buzz twice.



After the self-test, the display will show only the small fan symbol, indicating that the fan unit is running normally at 175 litres/minute air supply. The PAPR is ready to use.



Press the button once more to enter boost mode. The fan goes up in speed, delivering air at 225 l/min, and the large fan symbol lights up. Press the button again to return to normal air speed.



To turn the fan off, press and hold the button until the motor switches off and the display goes black.





HOW TO...

...recognise alarms

If the airflow dips below the selected flow rate (175 l/min in standard mode and 225 l/min in boost mode), the following will happen:

- A red triangle will flash on the display.
- A pulsing beep will be heard.

WHAT TO DO:

- Stop work.
- Do not remove the respirator or head piece!
- Leave the area — go to a safe environment with clean air.
- Inspect the equipment and fix the cause of the dip in airflow.



+rapid continual beep pulses

If the particle filters are clogged, the following will happen:

- The red triangle on the display will flash.
- The beeper will sound for 5 seconds every minute or so.

WHAT TO DO:

- Stop work.
- Do not remove the respirator or head piece!
- Leave the area — go to a safe environment with clean air.
- Replace the particle filters with new ones.



+5-second beeps every minute

If the battery is running low, the following will happen:

- The yellow battery symbol on the display will flash.
- The beeper will sound twice every 30 seconds.

WHAT TO DO:

- Stop work.
- Do not remove the respirator or head piece!
- Leave the area — go to a safe environment with clean air.
- Recharge the battery.



+two beeps every 30 seconds



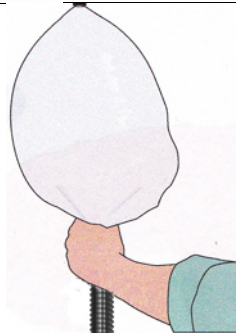
HOW TO...

...perform a functional check

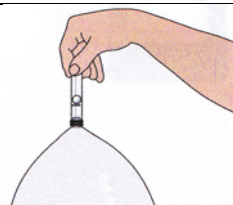
Make sure the SR500, headpiece and filters are intact and correctly assembled.
Switch on the PAPR.



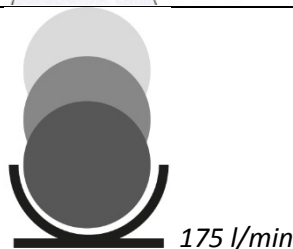
Place the entire facepiece or headpiece into the test bag and seal off by closing your hand around both the bag and the breathing hose.
IMPORTANT! Do not in any way obstruct, squeeze together or bend the breathing hose.



With the other hand, hold the flow tube up vertically from the bag.



The floating ball in the tube should be on the line marked 175 or slightly above it.



If the floating ball isn't on or above the line, shake it a few times, and make sure the tube is completely vertical.

If it seems impossible to get a successful measurement, call your supervisor. Do not use the equipment.



Now test the alarm functions of the SR500.
With the fan unit running, and still sealing off around the breathing hose, block the exhaust of the test flow tube with your thumb or hand.



The following should happen:

- The red triangle should flash on the display.
- A pulsing beep should sound.



+rapid continual beep pulses

When the air block is released, all alarms should stop after about 15 seconds.



HOW TO...

...wear the SR700 Particle PAPR

The fan unit should sit on the small of your back.



If using a headpiece, let the breathing hose run straight up your back without kinks or bends.



If using the SR200 full face mask, run the breathing hose around your waist and up along your chest.



HOW TO...

...clean the SR700 Particle PAPR

For normal cleaning and disinfection, use Sundström's cleaning tissues.



Alternatively, use a mild detergent and water and wipe the regulator all over with a soft cloth or sponge. Warm water may give a better clean. Leave to dry and store in a dry, clean area at room temperature away from direct sunlight.



IMPORTANT!

- Never use solvents to clean the equipment.
- Avoid getting any liquid or detergent into the fan unit itself. If necessary, use the supplied sealing plugs.

**HOW TO...****...protect the SR700**

If there is a risk of liquids or other material entering the interior of the SR700 during cleaning, transport or storage, sealing plugs are available to eliminate the risk.



Simply screw in the threaded plugs into the filter fittings and press the third plug into the bayonet fitting of the breathing hose attachment.



Watch this on **YouTube**

(using your SmartPhone, tablet or computer)



http://youtu.be/QCqmQAlw_uo