

Equipment	Oxygen concentrator, AirSep NewLife (EHOEZFR0664)
Responsible	(Log) Biomed Service

A Check general condition, remove dust and replace the long term filter

Frequency	3 months (more frequently if the location is very dusty or sandy).
Equipment	Flat blade screwdriver, air compressor or soft brush
Parts	Felt filter (EHOEZFR0667)
Duration	30 min

1 Check the general condition of the equipment.

Replace or repair the parts if they are damaged:

- The chassis (repair/replace).
- The power cable (replace).
- The silicon tubes (replace)
- The wheels (clean/replace)
- The foam dust filter

2 Remove dust:

- Remove the cover (2 screws)
- Carefully remove any dust with compressed air.



CAUTION: If no compressor is available then a soft brush may be used. Never touch the electronics with the brush.

3 Replace the felt filter:

- Remove the felt filter.
- Fit the new filter and replace the cover.



WARNING: In very dusty conditions (e.g. the dry season) it may be necessary to change more often.

Check the condition every month:

- Change the filter when the overall colour has changed noticeably.

4 Check the 9V battery:

- Check the voltage of the 9 Volt battery.
- If it is below 8 Volt then replace it.



Felt filter



B Functional test

Frequency	3 months and after each intervention
Equipment	Oxygen analyser (EHOEZFR0610), 6mm allen key
Parts	None
Duration	30 min

1 Air flow test:

- Turn the power switch to « On ».
When the unit switches on check that the LED lights up and the machine emits a brief sound (biiiiiiip).
- Adjust the flow rate between 0 and 10 litres/min and confirm that the ball moves in the flow indicator tube.
- Set the flow rate to 8 litres/min and confirm it remains stable.

2 Oxygen concentration test:

After the machine has been running for 10-15 min use the oxygen analyser:

- Check the oxygen concentration (normally higher than 88%)
- Check the accuracy of the flow meter for values between 1 and 8 l/min (+/- 0.5 l/min)
- Check the pressure (20 PSI +/- 2) and adjust if needed:
 - Set the unit's I/O power switch to the "I" position, and allow unit to run at least five minutes to build up pressure.
 - Turn the flow meter adjustment knob counter-clockwise until it stops (wide open).
 - Pull outward on the regulator knob to unlock it.
 - Turn the regulator knob until the outlet pressure is 20 psig (138 kPa) on the gauge of the pressure test kit.
 - Push in the regulator knob to lock it.



Regulator knob