



Concentrator Talk - June 9, 2022

#	Topic	Video Link
1	Introduction and Welcome	Link
2	I have been hired by a private company to install and test newly purchased Canta V8-WN-NS 8L oxygen concentrators in several district hospitals in Eastern Province. While testing for pressure in 3 different concentrators of the same model using a pressure gauge embedded inside an oxygen analyser, I noted that the float inside the flowmeter was not going down to zero in the said 3 concentrators. I tried leakage tests on the pipes but did not detect any leaks. Is this a common problem with these concentrators or is there something I am missing?	Link
3	I am a Biomedical technician at Nsanje district hospital and I have been working on a Respironics Everflo concentrator. When I switch on the concentrator, the compressor makes a sound like there's a blockage in the air passages. When that happens the concentrator vibrates but the relief valve doesn't open, is it possible that one of the valves is faulty? If not, what can be the problem and how can I solve this problem?	Link
4	Hello, I am a biomedical technician and I have just repaired two Airsep elite concentrators which are working perfectly well but they do not have the gross particle filters and at the moment we do not have spare gross particle filters. What would you recommend me to use in place of the gross particle filters as we wait for the filters to be purchased. Or can these concentrators be taken to the ward without the gross particle filter?	Link
5	With continuous use, the inside of an oxygen concentrator accumulates dust, this dust can also accumulate inside the compressor. I am aware that an oxygen concentrator uses an oil free air compressor, what is the best way to clean a dusty compressor? Is it okay to use an alcohol based solution for cleaning?	Link
6	Hello, I am working on a Silvii oxygen concentrator, when I turn it on, only the compressor powers on whilst the other parts of the concentrator do not, that is, the fan, and LEDs. What can be the problem and how can I rectify this problem?	Link
7	Refilling vs Replacing Sieve Beds	Link
8	I have an oxygen concentrator that I am working on and the compressor keeps shutting down periodically. What may be the problem with this concentrator?	Link
9	I am a biomedical engineer. I found a 8L Airsep with a burnt circuit board. I replaced the burnt board with the new one. After some weeks the concentrator was brought back to the maintenance for other assessment and repair. After assessment, I found out that the newly installed board was burnt too. What can be the cause of this problem and How can I treat this?	Link

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10	I am a Biomedical engineer at a certain hospital. I was working on a Respiroic Oxygen concentrator. After I repaired the machine,I put it to the test to see how it performs and unfortunately it turned itself off. The unit felt like it was overheating and when I measured the temperature it was 39.5 degrees celsius. What could be the cause of this?	Link