



Concentrator Talk - June 16, 2022

#	Topic	Video Link
1	Introduction and Welcome	Link
2	A nurse brought an oxygen concentrator to our workshop with a description that it was shutting itself down after a few seconds when turned on. When I switched it on, it started running, then I heard the compressor stop, then it started again after a few seconds then the service alarm came on and the concentrator shut down. What could be the possible cause and solution of this problem?	Link
3	I was working on a DevilBiss 515 oxygen concentrator that was producing low oxygen purity. Before opening it up, I decided to check the pressure at the patient outlet, and it was 58 psi which is the recommended pressure at the patient outlet in DevilBiss 515. Even though the pressure was normal, I noticed that the ball in the flowmeter was not dropping to the base of the flow metre whilst doing the pressure test. What can be the problem and how can I solve this problem?	Link
4	I was working on an Airsep concentrator that had not been used for a very long time, when I switched on the oxygen concentrator the alarm did not beep, I checked the battery and replaced it with another battery, I switched the oxygen concentrator again and the alarm started to beep continuously, I assessed the oxygen concentrator but did not find any problem with the oxygen concentrator. What would be wrong with this concentrator?	Link
5	While working as an intern at Zawo private hospital I was asked to measure the oxygen purity from an oxygen cylinder. While in the process I noticed that when we use an oxygen analyzer on a concentrator we get the accurate readings and when we try to use the same on cylinders or any oxygen source with high flow purity, the display on the interface starts fluctuating and no true results are obtained. Any idea of which analyser is recommended?	Link
6	I have a concentrator Jay5 model that is not starting when connected to power. I have tried checking the top plug fuse, it is functioning properly. What might be the problem and how do I resolve it?	Link
7	Different filters found in oxygen concentrators	Link
8	I am a biomedical technician working on an olive-5 oxygen concentrator. I repaired the compressor and refilled the sieve beds but no improvement was achieved since the purity was low after the service. I removed the back intake filter and observed that the air sucking wasn't convincing. What could be the problem?	Link
9	Can I use an Inverter to run an oxygen concentrator? What Size of Inverter Do I Need for the Oxygen concentrator?	Link

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10	I have a 5lpm longfian unit/Jay5. When I set it to 2 lpm it reads 95.6% but when I set it to 5lpm, it reads less than 85% to the point that low purity LED light appears. How can I address this?	Link