



Concentrator Talk - March 31, 2022

#	Topic	Video Link
1	Introduction and Welcome	Link
2	I have a grandmother who has been prescribed oxygen therapy and she will be receiving the therapy from home. Since the oxygen concentrator will be switched ON for most of the day, I wanted to know if the oxygen concentration does decrease over time. Do we need to be switching off the concentrator periodically or can we run it for 24 hours straight?	Link
3	I was servicing a compressor for Jay 5 as part of routine maintenance service. After assembling the compressor, air was being released through the intake filter instead of the outlet port. What could be the cause of this?	Link
4	I was working on the DevilBiss 525 that was producing low oxygen purity. In the process of troubleshooting I found that the compressor outlet airline was damaged. I replaced the pipe with another one , but to my surprise the purity was high for a short period and then started dropping. What could be the cause of such a problem and how would I resolve it?	Link
5	I am servicing an Oxygen concentrator whose compressor is not working and is rated 110V. I have a spare compressor of the same model but it is rated 220V and the voltage that we get from our socket outlets is 220V. If I replace the 110V compressor with a 220V compressor what will happen, will the unit work?	Link
6	I am a technician at a district hospital. I received a respironics oxygen concentrator from the male ward that was producing low oxygen levels as indicated by the low oxygen light. During the maintenance process, I unscrewed the covers and I noticed that it contains 3 sieve beds. How does this concentrator work?	Link
7	Compressor service kits	Link
8	I am a biomedical technician at a district hospital. We received a donation of 15 oxygen concentrators. We plan on keeping these concentrators in a storeroom until they are needed since we already have concentrators available in all the wards. Are there recommendations on the appropriate storage conditions for oxygen concentrators?	Link
9	I am a Biomedical Engineer at a hospital in the Ashanti Region of Ghana. I have 8 QUIRUMED oxygen concentrators which indicate E01 after 25sec or more after running. I search for the service manual online and the error indicates that the pressure cannot reach the standard pressure. What can I do to resolve this?	Link



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#	<u>Topic</u>	<u>Video Link</u>
10	I am a technician at a health center. While conducting oxygen concentrator assessment in the wards, I came across a 515 Devilbiss concentrator that when I tested purity with the oxygen analyser, the purity was low. I noted the compressor kits worn out after opening it at maintenance workshop. After checking the hobbs meter it showed that the machine has run for longer hours than shown in the manual and needs to be serviced, but to my surprise, the concentrator's service Light Emitting Diode was not illuminating and the buzzer was not beeping and the nurses were still using it since there was no sign of malfunctionality of the machine. What could be the problems and the solution?	Link