



Concentrator Talk - March 24, 2022

#	Topic	Video Link
1	Introduction and Welcome	Link
2	A nurse from a male medical ward reported that an oxygen concentrator that they received through a donation stops running within a minute of being turned on. When I went to check I found that the oxygen concentrator was a Medris JY102 with a touch screen as shown in the picture coming up. There was 00h 03m on the Turning Timing display. What could be the cause of the problem?	Link
3	A nurse from the children's ward is complaining that when she turns on one of the 515 Devilbiss oxygen concentrators found at the ward, the compressor starts, but the service required LED illuminates with no air flowing out of the patient's outlet. What can be the possible cause and how can I fix it?	Link
4	I'm a technician at a local health care center. We have a newly installed 5LPM Airsep Newlife concentrator which seats locked away from where the patient's bed is and the only way to connect to a patient is to use an extended tubing which is increasing back pressure and limiting oxygen flow to 3.5 LPM. The patient bed can not be moved due to spacing conditions. Is there a way of achieving 5LPM with the additional tubing?	Link
5	I am a nurse at a health center. Last week, we received a Devilbiss 525 oxygen concentrator as a donation for the female's ward. I wanted to administer oxygen therapy to a patient yesterday. When I tried to switch it on, I got an alarm and the lights were on. Immediately, I switched it off to prevent any further damage. I called the hospital technician to check the electrical connections. We tried switching it on again and the same thing happened. Does this concentrator have a factory fault?	Link
6	A patient is using 2 machines Platinum 9 & Newlife intensity combined with the "Y" connector. Should we use a humidifier bottle with both concentrators?	Link
7	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
8	Oxygen concentrator specifications	Link



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9	I am a biomedical Engineering intern at a certain Clinic. This week I was working on a 5 liters Oxygen Concentrator which after servicing I ran it for a few minutes and tested its purity using an Oxygen analyzer at the flow rate of 2 lpm and the purity was 95.6%, after few seconds I changed the flow rate to 5 lpm and checked the purity and it was still 95.6%. The Concentrator was taken to the ward where it was being used on a patient at 5 lpm. After it had been used for about an hour the low purity alarm was activated and it was brought back to the workshop. I checked the purity at 5 lpm and found that it has dropped from 95.6% to 82%. What could have caused the drop in purity and how do I prevent this scenario from happening again?	Link
10	I am working on a compressor of a longfian Jay-5. I want to replace the overhaul kits as they are worn out. Unfortunately I am failing to unscrew one cup retainer as the screw is stuck. Is it okay if I use an oil based lubricant to lubricate the screw?	Link