



Concentrator Talk - August 18, 2022

#	Topic	Video Link
1	Introduction and Welcome	Link
2	I have recently started working as a nurse at St. Gabriel's Mission Hospital, and I was instructed to refill a humidifier bottle of an oxygen concentrator with distilled water. Why do we need to use humidifier bottles on oxygen concentrators? Why do humidifier bottles use distilled water instead of tap water or any other type of water?	Link
3	In our workshop we have an Airsep intensity 10 and Jay-5 oxygen concentrators which are staying idle because the cooling fan for the AirSep is broken and for the Jay-5 it was misplaced. We have spare fans but are from other concentrator models. Can I install two of these fans in the concentrators? What are the things I have to consider before installing the fans in the concentrators?	Link
4	I was working on a Longfian Jay-5 oxygen concentrator and I noticed that the nebulizer port was leaking. I was thinking of tying the pipe that connects to the nebulizer so it stops leaking because the oxygen purity at the patient outlet dropped to 49%. I was wondering if this is the correct way to solve the problem or if there were other ways because I don't want to permanently block the nebulizer port. I also wanted to know why the oxygen purity drops when air is coming out of the nebulizer port and finally why there is a nebulizer port and what it is used for?	Link
5	We have 1 Narrena 5 lpm oxygen concentrator purchased 2 years back. Worked fine with periodic maintenance at regular intervals. Now the OC is not powering on. Please suggest a solution.	Link
6	I have a Devilbiss 1025 machine with a very noisy compressor. Upon receiving the machine, the compressor made a squeaky sound. I then repaired the compressor and re-installed it for testing. The compressor is now noisier than before. I reopened it and checked if I assembled it correctly and all looks fine. I even checked the piston movement; it moves freely with no funny sound. Does this mean that the compressor is unrepairable and will have to be replaced?	Link
7	When I was working on the concentrator, I observed that the compressor temperature was elevated. What would be the cause, and how may it impact the effectiveness of the zeolite sieve bed?	Link
8	Sodium-based Zeolite vs. Lithium-Based Zeolite in Oxygen Concentrators	Link
9	Hi, I am a technician at one of the community hospitals in my country. I was working on a DeVilbiss 525 and after I completed my work, I discovered that the OSD sensor had developed some cracks. I have no idea how this happened because I never removed the control board from the concentrator. Is this something that I should be worried about or will I be able to run the concentrator with the cracked OSD sensor?	Link



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10	I am a female Nurse at Nsanje District hospital. I noticed that humidifier bottles have different colours (black, green, etc.). Is there any reason the bottles have differing colours or does it just depend on the preference of the manufacturer?	Link
11	We have a Devilbiss 1025ks model oxygen concentrator . When we put it on it automatically switches off after 3 seconds. When we opened the machine & found the sieve bed filters had failed and the sieve beds were leaking and the zeolite was filled in the rotary valve . Suggest a solution please.	Link