



Concentrator Talk - January 20, 2022

#	Question	Video Link
1	Welcome and Introduction	Link
2	I have an AirSep Intensity 10 concentrator, from the service manual, I read that the pressure from the patient's outlet is supposed to be around 137 Kpa (20 PSI) and when I measured the pressure with a pressure gauge it came out around 160 kpa (23 PSI). Though they do not advise to adjust the pressure regulator, I tried to get it down to 137 Kpa (20 PSI) and now I can't get the pressure to settle at any point, it keeps fluctuating. How can I solve this problem?	Link
3	I have a ShenYang Canta Concentrator model number V8-WV-NS with dual flowmeters. Each flowmeter has a maximum flow rate of 8LPM. What is the recommendation of using this kind of concentrator?	Link
4	I connected a Longfai Jay-5 concentrator to power one morning and it was silent, no sound of the compressor, fan was not spinning and there were no LED lights coming on the control board.	Link
5	I refilled AirSep 5L concentrator beds which were initially giving me 43%, the performance has improved but I am getting high fluctuations on purity between 89% to 74%. Any suggestions on how I can eliminate this problem?	Link
6	We have 10 oxygen concentrators at our hospital. They are all the same model. We received a donation of an oxygen analyser and have tested them and they are all producing less than 80% purity. My two colleagues and I have basic troubleshooting skills but we have never been trained on oxygen concentrators specifically. Can you give us any advice on how we can narrow down the problem on each concentrator?	Link
7	If we are receiving low oxygen, which one should we check first: compressor or sieve beds?	Link
8	What is the lifetime of the zeolite? how do we know when its expired?	Link
9	I have a DeVilbiss 515 concentrator that has an issue with the rotary valve. Normally I would expect the valve to rotate a certain degree and then stop and then rotate again and stop whilst following a particular sequence. When I switch on the concentrator, The rotary valve rotates continuously without stopping. What could be the problem here and how can I resolve this issue?	Link
10	I was working on a DeVilbiss 515 that was bringing a "need service alarm". I changed the sieve beds and serviced the compressor. The purity went up to 95.6% but after running for about 7 minutes, the service alarm started beeping again.	Link



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11	I have a concentrator that is working properly. The issue is when I connect it to an external splitter which has 5 separate flowmeters, the ball on the concentrator flowmeter drops to 2 LPM and when I adjust the flow on the concentrator, the ball doesn't go beyond 2 LPM, what could be the problem here?	Link
12	I am a biomedical engineering intern and I was assigned to clean the inside of an AirSep 5L Elite concentrator. It was performing fine at maximum flow. But now after just cleaning the inside of the concentrator cabinet the ball in the flowmeter is not exceeding exactly 3LPM. I'm not sure what I touched during the cleaning, anyone who can help?	Link
13	I have a DeVilbiss 525 and each time I use it, it works well for about 15 to 20 minutes and after that, the low O2 light turns on. If I switch it off and turn it on again, the high O2 light comes on but after running again for about 15 to 20 minutes, the low O2 light turns on again. What could be the problem here	Link
14	I have been working on DeVilbiss 515 concentrators for some time and I have been able to service the compressor and change the zeolite without any issues. Recently I came across a concentrator that had sealed sieve beds and there was no obvious way to open them and refill the beds. Since I have the zeolite I would prefer to do a refill than to buy a whole new pair of sieve beds. Is there any way of opening and refilling such sieve beds	Link
15	Closing Comments	Link