



Concentrator Talk - December 8, 2022

#	Topic	Video Link
1	Introduction and Welcome	Link
2	Hello, a DeVilbiss 525 was brought to the workshop because it would periodically shut down when switched on in the ward. When I switched it on, it would run for a minute or so and then start vibrating, after that the compressor stops. I have no idea what the problem is. How can I solve this ?	Link
3	The rotary valve on my DeVilbiss 515 concentrator is faulty. Typically, I would expect the valve to rotate to a given degree, stop, rotate again, and stop while following a specific sequence. When I turn on the concentrator, the rotary valve rotates nonstop. How can I address this issue and what might be the cause?	Link
4	Hi, I am a biomedical technician working at a certain district hospital. We have a Devilbiss - 525 unit that is producing low purity. Upon troubleshooting, I found that the rotary valve had some water droplets in it. Further troubleshooting led to the realization that there were some leakages on both sieve beds, at the point opposite where the tube that goes to the accumulator tank gets connected. I am not sure if this end is supposed to be closed or open though as I have never really taken note of what the normal setup is like. Can this leakage be the cause of the drop in purity? If so, how do i close up this end to deal with the leak?	Link
5	Hello, I am working on Airsep Elite. I am getting low pressure at the patient outlet. I decided to check for leakages and found that my product tank is leaking and unfortunately, we do not have any spares. I was wondering if I could use the oxygen concentrator without a product tank ?	Link
6	Hello, I'm a biomedical technician at Nsanje District Hospital. We have a Longfian Jay-5 concentrator brought to our workshop. This concentrator doesn't turn on when plugged and the switch moved to on position. What steps should I follow to troubleshoot and fix this concentrator?	Link
7	Troubleshooting and Fixing Common Problems in Oxygen Concentrators - Part 2	Link
8	Hello, I'm a nurse at Mchinji District Hospital. I have been advised by the technicians to be washing the filters every week but I also know that water can damage concentrators so we need to keep concentrators away from water sources. Is it really necessary to wash the filters?	Link
9	Hello, I am a technician and am working on an oxygen concentrator that was beeping a low oxygen alarm. My first guess was to check for leakages on the sieve bed connections and the connections on the flowmeter and I found none. I then refilled the sieve beds with new zeolite but the unit is still beeping the low oxygen alarm. I then checked the concentration of oxygen being produced at the outlet with an oxygen analyser and found the purity at 94.6%. What can be the cause of the beeping low oxygen alarm and how can I fix it?	Link