



Concentrator Talk - October 6, 2022

#	Topic	Video Link
1	Introduction and Welcome	Link
2	I am a nurse working at a certain I was instructed to move oxygen concentrators from one ward to another. Water splashed on one of the oxygen concentrators as someone accidentally spilled his bucket when cleaning solar panels on the roof. Can I still use the concentrator? How can I dry the concentrator?	Link
3	I was working on a Devilbiss 525 oxygen concentrator whose alarm beeped every two minutes for 17 seconds to indicate low oxygen purity and service is required. I checked for leakages in all hoses and fittings, but I found none. I measured the oxygen purity for the oxygen concentrator, and it was 95.6%. What could be the cause of this problem and how can I resolve it?	Link
4	What is a safe thread seal tape for use in oxygen concentrator fittings ?	Link
5	Hello, I am working on the DeVilbiss 525 concentrator. When I switch this concentrator ON, the relief valve on the compressor starts popping up after a few seconds from the time the concentrator has been switched ON. I checked for blockages in the tubings, rotary valve and also in the sieve beds by checking the sieve bed outlet pressure but there were no blockages. What could be the problem?	Link
6	Hello, I'm a Biomedical technician working on a Devilbiss 525 oxygen concentrator that is beeping a low oxygen alarm. After inspecting the concentrator I found out that the glass that encloses the oxygen sensor on the control board is cracked and leaks. How can this affect the purity of oxygen and how can I replace it?	Link
7	Pressure Swing Adsorption Process in Oxygen Concentrators	Link
8	An Airsep Intensity was brought to the workshop because it was not delivering oxygen. When I switched it on, I noticed that the fan and the compressor were operating but there was no oxygen flow at the patient outlet and the floater in the flowmeter would not rise when I adjusted the flowmeter knob. I checked all the connections and there were no loose connections or leakages. How can I solve this problem?	Link
9	Two weeks ago I refilled the sieve beds and serviced a compressor for the DeVilbiss 525 concentrator. The concentrator was producing an Oxygen purity of 95.6% after a 2 hrs test. This week I wanted to use this concentrator on a certain project which I am working on. When I switched the Concentrator ON, it ran for about 1 minute then the serviced required alarm was activated. I tested the Oxygen purity and found that it was at 28%. What could be the cause of this problem and how can I solve it?	Link