



Concentrator Talk - January 19, 2023

#	Topic	Video Link
1	Introduction and Welcome	Link
2	Good afternoon, I am a biomedical engineering intern working at a certain hospital. We have a Devilbiss 525 that is producing low purity despite the fact that we have just refilled the sieve beds with new zeolite. I was troubleshooting to see what the problem might be and noticed that there are some valves that connect the product tank and the sieve beds. In contrast to the other valves, one appears to be allowing air to flow in both directions when blown on. Is this a typical situation where one valve should permit air to pass in both directions? If not, may this be the reason for the outlet's low purity output?	Link
3	Hello i am a biomedical technician at Ntcheu district hospital and i have noticed that the oxygen concentrator we are using is making a lot of noise when the sieve beds are releasing nitrogen into the atmosphere,the noise is too loud and very disturbing for the patients,What can be the problem and how can we solve this problem.	Link
4	I am a biomedical technician at Nkhotakota district hospital. As I was assessing oxygen concentrators in the paediatric ward, I came across a concentrator which was producing a lot of noise but the concentrator was being used. I checked the purity at the outlet and it was 90.2%. I decided to take it to the workshop for compressor servicing. The next day the same concentrator started giving out a purity of 67%. I checked for leaks in the airways but none were found. What could be the cause of this massive change?	Link
5	I am a biomedical technician at a certain district hospital. We have purchased two oxygen concentrators at an auction. We have tried powering them on and there is no operation of the system and the power failure light is on with an audible sound. What can be the cause of this and how can we solve this problem?	Link
6	Hello, I'm a nurse at a certain hospital. A patient using the concentrator reported that some water got to his nose and it was uncomfortable for him. What is the cause of this and how can this be dealt with? The model of the concentrator is Airsep Newlife Elite.	Link
7	Hello, I'm a biomedical technician working on a DevilBiss 515 oxygen concentrator that was producing low oxygen purity. Before opening it up, I decided to check the pressure at the patient outlet, and it was 58 Kpa, which is the recommended pressure at the patient outlet in DevilBiss 515. Even though the pressure was normal , I noticed that the ball in the flowmeter was not dropping to the bottom of the flow metre whilst doing the pressure test. What can be the problem and how can I solve this problem?	Link
8	Ways of Reducing Humidity in a Room	Link