



Concentrator Talk - January 26, 2023

| # | Topic | Video Link |
|---|---|----------------------|
| 1 | Introduction and Welcome | Link |
| 2 | Hello, I am a nurse at a certain hospital located in a very dusty area. Our biomedical technician keeps on complaining about our concentrators registering low purity. I visited a sister hospital in another district and noticed that, as opposed to us, they rarely get problems with concentrators having low purity. They mentioned something to do with PPM as one of the ways in which their technician deals with their problems. I would like to get more insight on this PPM and how it can improve the performance of our units. | Link |
| 3 | Hello, I am a biomedical engineer working at one of the main referral hospitals in malawi. I refilled zeolite in the sieve beds of Jay 5 oxygen concentrator,I replaced them in the oxygen concentrator and tested for the purity.Unfortunately the purity dropped to 76%,after further troubleshooting i discovered that the sieve beds were leaking. I don't know how to go about with this problem. Can you help with how I can seal the leakage? | Link |
| 4 | Hi i am a biomedical technician at Dowa district hospital, i was assessing concentrators in the wards and i came about a Canta V8. The concentrator could run for a few seconds then raise an alarm and switch the compressor off. When it's turned on the flowmeter ball keeps rising and falling, it fluctuates. What can be the problem and how can I fix it? | Link |
| 5 | Am a biomedical technician working at a certain organisation and I am working on a 525 Devilbiss. The rotary valve is functioning properly and so is every other part. The concentrator has a squeaking sound coming from the compressor and the purity is low. I have serviced the compressor and refilled the sieve beds, i have checked for leakages with soapy water and i have secured them all but purity is not rising above 83%. What else can I check to get higher purity? | Link |
| 6 | Assessment of Oxygen Concentrators in Hospital Wards | Link |
| 7 | Wwe have an Airsep 5lpm oxygen concentrator that is giving low purity with a fluctuation of between 60% to 50%. I serviced the compressor and changed the zeolite. Purity improved to 93% with a fluctuation between 93% to 85%. I know this is not okay. What can be the problem and how can I rectify this? | Link |
| 8 | Hello, I am a clinical technician working with a certain clinic. We had a training on how we can take care of our oxygen concentrator units and they talked about how we can clean the humidifier bottle. Like a good trainee, I decided to clean out our humidifier bottles with soap and refilled them with distilled water. To my surprise some of them keep on giving a popping sound and the others keep on whistling while the concentrator is running. What can be the cause of this and how can I fix them? | Link |