



Concentrator Talk - February 16, 2023

#	Topic	Video Link
1	Introduction and Welcome	Link
2	Hello, I am a technician at Kasungu district hospital. I do not usually work with oxygen concentrators but I was given a task to troubleshoot a Devilbiss 515 model of oxygen concentrator. When I opened up the machine, I discovered a black sticky material all over the covers of the concentrator. What happened for the concentrator to reach this state and how can I remove this material from the covers?	Link
3	Hello, I am a newly graduated and recruited biomedical technician at a Mlambe Hospital. Part of my job requirements is to service oxygen concentrators to make sure they are functioning optimally. I have heard from a colleague about Concentrator Talk that answers questions regarding oxygen concentrators and I would like to know from you experts the key maintenance tasks that are required for oxygen concentrators?	Link
4	Hello, I am a biomedical engineer; I'm working on an oxygen concentrator that's having trouble producing enough air with the current 50 psi compressor which we have put as a replacement to the initial 40 psi compressor which is damaged. The pressure drops to zero after the valve switches to feed the sieve bed, and the pressure does not rise again. However, with the initial 40 psi compressor, it was able to produce enough air to purify the oxygen, and the pressure could drop when feeding and could rise again before it feeds again. Can you help me understand what is causing this and the factors I need to consider when replacing a compressor.	Link
5	Hello i am a biomedical technician working at a certain district hospital,we have an airsep oxygen concentrator that has a broken flowmeter and it can no longer be used but i have also learnt from the previous concentrator talks that an oxygen concentrator can not be used without a flowmeter.We have a spare flowmeter from devilbiss 525 oxygen concentrator,can i use this flow meter on an airsep oxygen concentrator? Are the flowmeters interchangeable?	Link
6	Hello, I was working on a Devilbiss 525 concentrator. After troubleshooting, I found out that the transformer was faulty. I salvaged another transformer of the same voltage output as the damaged one in the workshop from another machine. Can I use it as a replacement?	Link
7	Misuse of Oxygen Concentrators	Link
8	Hello, I am a biomedical intern working on a concentrator whose reset switch keeps tripping. After troubleshooting i have found out that some wires inside the machine were exposed and this was causing a short circuit. Can I use a plastic bag to cover these exposed wires?	Link