



Concentrator Talk - June 2, 2022

#	Topic	Video Link
1	Introduction and Welcome	Link
2	As biomedical engineers, technicians and users, How can we manage the risk and challenges of both home and hospital oxygen therapy devices?	Link
3	I am a biomedical technician and there is a Devilbiss 525 concentrator that I have to service. When I switch ON this concentrator, it runs for a few seconds then the compressor relief valve pops, it stops after a few seconds then pops again, what might be the problem and how can I solve it?	Link
4	Hello, I am a biomedical technician working at a certain private hospital in Malawi. Currently, we have concentrators in our workshop whose flowmeters are malfunctioning and we do not have spare flowmeters for these particular concentrator models. Are oxygen concentrator flow metres for different concentrator models with the same flow rate interchangeable so that we can replace the flowmeters with the ones we have for different models?	Link
5	I have a faulty oxygen concentrator that I am working on. The flow rate on the flow meter of the oxygen concentrator and that on the oxygen analyzer are not matching. While the oxygen analyzer is reading 3.4 lpm, the flow meter ball is floating at 5 lpm. I have checked for leakages and no leakages are present. I have checked for the output pressure in the service manual and it says greater than 100 kpa. Currently, the pressure is at 104 kpa. The oxygen purity is also low. What could be the associated problems with this concentrator and how could I solve the problems.	Link
6	Hi, I am Technician working for a medical device distributing company. I have a patient that has an Oxyflow 5 machine that alarms and is showing Error E:01 on screen immediately after switching it on. What could be the cause of this error?	Link
7	Monthly Maintenance Activities and Checklist	Link
8	A certain nurse from our hospital brought a Silvii oxygen concentrator to our workshop complaining that the concentrator was not producing air even after switching it on. Any idea what is happening?	Link
9	Hi, I am a technician working for an Oxygen concentrator distributor in South Africa. I have an Oxyflow 5 machine in our workshop that has an overload protection switch problem. I opened the machine to check it inside, but I did not see any visible shots and burns. I replaced the overload switch but it still trips. What can be the cause of the constant trip?	Link