



Concentrator Talk - February 23, 2023

#	Topic	Video Link
1	Introduction and Welcome	Link
2	Hello I am a biomedical technician working at a certain district hospital,I was working on a Jay-5 oxygen concentrator, when i switch it on, the low pressure indicator alarm was on and it was giving out low oxygen purity. After servicing the compressor and refilling the sieve beds the purity only increased to 85%.What else can i do to increase the oxygen purity	Link
3	Hello, I'm a technician working on a Devilbiss 525 oxygen concentrator. After turning on the machine, the compressor turns off after running for few minutes and it is very hot. What could be the problem and how can I rectify it?	Link
4	Hello, I'm a nurse at a certain hospital. I have connected a Jay-5 oxygen concentrator to a patient. After some time, I went to check on the patient and pressed the concentrator's LCD backlight button to check the time. I thought everything was fine but after 10 minutes the concentrator stopped running but the display was still on. What could have caused this?	Link
5	Hello everyone. I am a technician from a certain district hospital and I would like to know how I can check the pressure in the sieve beds of a Devilbiss 525 oxygen concentrator.	Link
6	I am a biomedical engineer; I was doing preventative maintenance of oxygen concentrators at a health facility, and I discovered that a lot of 5L concentrators have big sieve beds (like Devilbiss 515, Jay-5, and Yuwel). But I came across Drive 525, which is delivering 5L as well but has small sieve beds compared to the other concentrators. I know the sieve beds contain zeolite, but why doesn't the decrease in volume of the sieve beds affect the overall purity?	Link
7	Pressure Relief Valves	Link
8	Hello, I am a biomedical engineer here at Daeyang Luke hospital. We have oxygen cylinders used as a backup source of oxygen in case an oxygen concentrator is underperforming or during emergencies. Can an oxygen analyzer which we normally use for concentrators be used to test the oxygen purity of the air coming from an oxygen cylinder? Additionally, there is a concentrator that produces a maximum of 15 litres per minute, but the current analyzer can only accurately measure flows up to 10 litres per minute. What options are available to accurately measure the oxygen output of the concentrator given the current analyzer's limitations?	Link
9	Hi, I am a technician here at St Francis Palau Community Hospital. Last week,when I was fixing a faulty Longfian Jay-5 concentrator, I noted that the copper pipe found on the cooler section was missing and needed to be replaced. We have some metal pipe coils in the workshop. Can I just use any metal pipe to replace it? Please advise.	Link