



## Concentrator Talk - May 19, 2022

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#	Topic	Video Link
1	Introduction and Welcome	<a href="#">Link</a>
2	I am a technician for a mission hospital that is yet to be opened and we would like to purchase equipment for oxygen therapy. The clinicians prefer using oxygen cylinders compared to oxygen concentrators. Is there any difference between purchasing oxygen cylinders and oxygen concentrators? Which of the two would you recommend us to buy?	<a href="#">Link</a>
3	I have a faulty Jay-5 at our workshop which needs new sieve beds. Upon servicing the concentrator I seem to have misplaced the pipe connecting the two sieve beds which had an orifice in it. Is it okay if I use a pipe without an orifice inside it? And if not, what is the function of an orifice used in the pipe?	<a href="#">Link</a>
4	I have a Devilbiss 525 oxygen concentrator that is producing 80% oxygen purity at 5 LPM after servicing everything on the concentrator and refilling its beds with sodium based Zeolite. I did the leakage test as well and it was negative. I would like to know if the concentrator can still be used on a patient at lower litres since it is producing 93.4% oxygen purity at 3 LPM. And any advice on how best I can prevent the users from putting the flow above 3 LPM?	<a href="#">Link</a>
5	I have a personal Portable Oxygen Concentrator (POC) that does not have a humidifier connection. Can I still use it?	<a href="#">Link</a>
6	I am a freelance biomedical technician. A client who is on a tight budget has asked for advice on whether to buy used/refurbished oxygen concentrators or not. What are some of the pros and cons of used/refurbished oxygen concentrators	<a href="#">Link</a>
7	I am a technician working at a certain district hospital. A few weeks ago we received training on how to fill Devilbiss 515 oxygen concentrator sieve beds, we were given all materials necessary for filling and closing the sieve beds some of which were the closing caps and orings. Now that we want to fill the sieve beds on our own we noted that the sieve beds are leaking. We tried adding thread directly to the groove on the closing cap to fix the leak but this made it difficult to push the closing cap inside the sieve bed. How can I fix such leaks, can we use water or petroleum jelly around the o-ring to make the cap go on easily into the bed?	<a href="#">Link</a>
8	Sieve Bed Refilling Process: Part One	<a href="#">Link</a>
9	Hi, I am a biomedical technician in the eastern part of Malawi. I have just been transferred here and I am responsible for fixing all the health equipment at the hospital. I have found an AirSep in the workshop and it seems someone started working on it but didn't finish it and left some of the pipes disconnected. Since the pipes were disconnected I took another AirSep concentrator so that I could use it as a reference to reconnect the disconnected pipes but to my surprise, some of the connections were different. Does this mean the other concentrator was connected wrongly or there are different ways of connecting the pipes?	<a href="#">Link</a>