



Concentrator Talk - May 12, 2022

#	Topic	Video Link
1	Introduction and Welcome	Link
2	I am a technician at a certain private hospital, currently there is a high demand for oxygen at our hospital due to the outbreak of the new covid-19 virus variant and we are running short on oxygen concentrators. Lately, we have been buying additional oxygen from our local suppliers but due to the high demand of oxygen across the country, they are unable to give us the oxygen cylinders on time. I just wanted to know if it is possible to use one of the oxygen concentrators to fill the empty cylinders?	Link
3	Can a dirty exhaust muffler affect the performance of an oxygen concentrator?	Link
4	I am a Biomedical technician at a certain clinic. This week a nurse came with a complaint that there are droplets of water in the tubing that connects the humidifier bottle to the patient outlet of a certain oxygen concentrator although the water level in the humidifier bottle was as recommended. What could be the cause of the accumulation of water droplets in the tubing and how can this problem be corrected?	Link
5	I was fixing a Devilbiss 515 oxygen concentrator which had a low oxygen purity problem by installing sieve beds with new zeolite but surprisingly the relief valve started popping. I installed the same beds in another Devilbiss 515 concentrator and there was no popping of the relief valve. What could be the problem?	Link
6	I am a Biomedical technician working as a trainee at a certain health clinic. I am carrying out preventive maintenance on oxygen concentrators but currently we do not have an oxygen analyzer which I can use to test the oxygen purity of these oxygen concentrators. There are pressure gauges that I can use to test the pressure at the patient outlet and also the sieve beds output pressure. If I test the pressure and find out that the concentrators are producing the required pressures, can I conclude that the concentrators are working perfectly? And what is the recommended pressure at the patient outlet, is it the same for all concentrator models?	Link
7	I have a DevilBiss 525 oxygen concentrator, when I measure the oxygen purity, it is showing 60%, and there is moisture in the flowmeter, what could be the problem?	Link
8	Weekly Maintenance Activities and Checklist	Link
9	How can one understand how Portable Oxygen Concentrators and Stationary Home Concentrators work?	Link