



## Concentrator Talk - April 7, 2022

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#	Topic	Video Link
1	Introduction and Welcome	<a href="#">Link</a>
2	During preventive maintenance carried out at COVID-19 isolation center I came across three oxygen concentrators that were connected to patients but did not have cabinet filters. No one knew where the filters were placed and we had no spare filters in our workshop stores. Was it safe to continue using these oxygen concentrators? If not, what could be the effects of their absence to both patients and the concentrator?	<a href="#">Link</a>
3	As I was troubleshooting an oxygen concentrator that was failing to start running, I discovered that the thermal switch was malfunctioning. The compressor was able to start when I tried to bypass the thermal switch. There is a ward that is in dire need of an oxygen concentrator right now and we don't have a spare thermal switch. Can I release this concentrator to be used at the ward?	<a href="#">Link</a>
4	I have a DeVilbiss 515 concentrator that has an issue with the rotary valve. Normally I would expect the valve to rotate a certain degree and then stop and then rotate again and stop whilst following a particular sequence. When I switch on the concentrator, The rotary valve rotates continuously without stopping. What could be the problem here and how can I resolve this issue?	<a href="#">Link</a>
5	I am a Biomedical Engineer at a hospital in the Ashanti Region of Ghana. I have 8 QUIRUMED oxygen concentrators which indicate E01 after 25sec or more after running. I search for the service manual online and the error indicates that the pressure cannot reach the standard pressure. What can I do to resolve this?	<a href="#">Link</a>
6	I want to change contaminated zeolite in Devilbiss 515 beds but the only zeolite available is the one a friend working at a laboratory provided called zeolite clinoptilolite powder, can I use this zeolite in the 515 sieve beds?	<a href="#">Link</a>
7	Humidifier bottles	<a href="#">Link</a>
8	Our hospital has been using Invacare Perfecto for a year now. The performance of the machine is just ok since its able to produce High purity of up to 90.5%. To my surprise, the concentrator is making noise when exhausting as if the concentrator is open. Before I go forth opening it, what could be the possible area to look on, the cause of such noise and the solution?	<a href="#">Link</a>
9	I have a Longfian Jay-10 oxygen Concentrator with dual flowmeters. Each flow meter has a maximum flow rate of 10 LPM. What is the recommendation of using this kind of concentrator?	<a href="#">Link</a>



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10	I'm a technician at HOPE OF ALL hospital. As I was troubleshooting an oxygen concentrator that was failing to start I found that the capacitor was burnt. What could have caused the capacitor to burn?	<a href="#">Link</a>
11	Under what conditions should a pressure regulator be adjusted and why do different concentrators have different specific output pressures?	<a href="#">Link</a>