



Concentrator Talk - February 3, 2022

| # | Topic | Video Link |
|----|---|----------------------|
| 1 | Introduction and Welcome | Link |
| 2 | How do I identify the medical grade zeolite (sieve bed) from the industrial one? | Link |
| 3 | We have recently encountered an issue with one Canta V8 concentrator. The concentrator recorded very low readings, about 42%. We replaced the zeolites. However, now the solenoid valve is not able to open up well. Causing the compressor to almost shut down due to occlusion of the outlet (to the solenoid valve.) We have replaced the compressor maintenance kit as well as safety valve. We then replaced the solenoid valve with a new one. Problem still persists. The voltage supply to the solenoid valves was measured to be 7-8 volts on the board instead of the 12V needed by solenoid valves. Now, we are yet to exchange the main board from another V8 concentrator to confirm the board issue. Has anyone experienced this issue before? | Link |
| 4 | How does one test an oxygen concentrator and conclude that it is performing okay? | Link |
| 5 | Our local authorities do not know how to dispose of Zeolite. Is there a Material Safety Data Sheet (MSDS) available? It should be noted that should Zeolite (for oxygen machines) come into contact with water there is an exothermic reaction that can exceed 100deg Celsius and as such can now become a fire hazard. Or can Zeolite be regenerated by some method for reuse? Is there an alternate use for used Zeolite? Water filtration or something (I know some Zeolites can be used for filtration – not sure if this includes the type used for oxygen machines) | Link |
| 6 | I am trying to fix a concentrator DeVilbiss 515 and upon troubleshooting I have noted that the control circuit board is dead; I do not have another control board from 515 and the only board I have is for DeVilbiss 525 which looks physically the same as a 515 and the connectors also much. Any ideas if this board can work? | Link |
| 7 | In my country it is difficult to get spare parts for oxygen concentrators and we frequently use parts from other broken concentrators to fix those that have minor problems. As I am writing to you have a Devilbiss 515 that has a worn out compressor model ZW370 and at my workshop we do not have a compressor of this model but we have other compressor models 2660 and 2650 can I use one of them in my concentrator? | Link |
| 8 | Explanation of How to Adjust Pressure Regulators on Different Models of Oxygen Concentrators | Link |
| 9 | Adjusting the Pressure Regulator on the Airsep 5L NewLife Elite | Link |
| 10 | Adjusting the Pressure Regulator on the Airsep NewLife Intensity 8 and 10 | Link |



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| # | <u>Topic</u> | <u>Video Link</u> |
|----|--|----------------------|
| 11 | Adjusting the Pressure Regulator on the Devilbiss 515/525 | Link |
| 12 | Adjusting the Pressure Regulator on the Respironics Everflo | Link |
| 13 | Adjusting the Pressure Regulator on the Invacare perfectO2 | Link |
| 14 | Adjusting the Pressure Regulator on the Longfai Jay-5 | Link |
| 15 | I am a Biomedical technician working with a district hospital. We do not have oxygen analyzers. How can we know the purity of oxygen without using oxygen analyzers? | Link |
| 16 | I just wanted to know if I can refill the cylinders using an Oxygen concentrator? | Link |
| 17 | I read from the manual they said an oxygen concentrator is not supposed to be connected on the extension. They did not explain, what could be a reason? | Link |
| 18 | Can a weak compressor be rebuilt and if so, what parts are required? | Link |