



Concentrator Talk - April 28, 2022

#	Topic	Video Link
1	Introduction and Welcome	Link
2	I am a biomedical technician working at a central hospital in malawi. I have been servicing oxygen concentrator compressors for years. I have several times met the problem of a relief valve popping below its relief pressure . What could be the possible cause for such unnecessary pop ups? What could be the solution for the problem?	Link
3	I'm a technician at a district hospital, while fixing an Airsep Newlife Intensity 10 I noticed that the flowmeter ball does not go up past 6 LPM when I try to move the ball to 10 LPM. What could be the problem?	Link
4	A nurse connected Devilbiss 525 to a patient. Surprisingly the dehumidifier bottle pressure relief valve was completely sealed with plaster as shown below . He said the relief valve was releasing oxygen. Was this approach necessary?	Link
5	I recently came across an explanation that listed moisture as a contaminant for oxygen concentrator sieve beds. What could be the probable solution to moisture stricken sieve beds?	Link
6	I am working as a senior biomedical engineer at a referral hospital. I visited a certain private hospital where my brother was admitted, as I was in the ward I saw a nurse shaking a sysmed M50 oxygen concentrator and the concentrator could run only when shaken so she had to put it aside. What could be the cause of the problem?	Link
7	The Rotary Valve	Link
8	I have a YUWELL oxygen concentrator with model 8F-3A... when I switch it on, it doesn't work but indicates E4 error code. I looked through the manual and it says that the compressor circuit is closed. Can you please help?	Link
9	I am a biomedical technician at a private hospital. I have received an oxypure oxygen concentrator from the ward that has a yellow LED for low oxygen purity. After assessment I have found that the oxygen purity is 66% and the compressor service kit needs a replacement. In our stores we have compressor kits that have stayed over 5 years. Is it safe to use these compressor service kits or do they have an expiry period?	Link
10	What is the function of the accumulator tank on a drive oxygen concentrator? Can I bypass the accumulator tank when it is faulty?	Link
11	I am working on an AirSep Intensity concentrator. The compressor was not running when the concentrator was switched on. Upon troubleshooting, the problem is the capacitor and it needs replacement. It's a Thomas 2660 compressor and needs a 15 μ F capacitor but I have a 12.5 μ F capacitor. Is it okay if I use the 12.5 μ F capacitor as a replacement?	Link