



## Concentrator Talk - November 3, 2022

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#	Topic	Video Link
1	Introduction and Welcome	<a href="#">Link</a>
2	Hi, I am a technician at a certain private clinic. I am currently working on an Airsep intensity 8 oxygen concentrator and it is my first time to work on this concentrator model. The problem with the concentrator was that the compressor relief valve was releasing some air. I tried checking the integrity of the relief valve and it was in good shape. When I checked the job card for this concentrator, I found that during the previous maintenance carried out a few weeks ago by another technician, the compressor was serviced, and sieve beds were refilled and it was performing perfectly at the time the concentrator was returned to service. What could be the cause of this problem and how can I solve it?	<a href="#">Link</a>
3	Hello, our company maintains, services and repairs portable oxygen concentrators and has bought zeolite to refill sieve beds for portable oxygen concentrators as part of the servicing process. May you please share with us the process of refilling sieve beds.	<a href="#">Link</a>
4	We have had a Devilbiss 525 installed in our home. It has now been in service for eight months. The intake filter has become so dirty that I am tempted to clean it but I'm scared as I do not know how to do it properly, as we have never tried servicing anything in the oxygen concentrator. Can you help me on how to clean the intake filter properly? Does the performance of the oxygen concentrator suffer if the intake filter is dirty?	<a href="#">Link</a>
5	I've worked on a variety of concentrators. and I've noticed that some use a rotary valve whereas others employ the use of a solenoid valve. What are the differences between these two?	<a href="#">Link</a>
6	What causes the reset switches to trip on oxygen concentrators?	<a href="#">Link</a>
7	Hello, I am working on an Airsep intensity 10 Oxygen concentrator. The concentrator was producing a squeaking sound and also was producing oxygen with concentration of 45%. I serviced the compressor and also refilled the sieve beds but the Oxygen purity only improved to 83%. I checked for leakages but I didn't find any. Is there anything else I can do to improve the Oxygen purity of this concentrator?	<a href="#">Link</a>
8	Oxygen Concentrator Operating Pressures	<a href="#">Link</a>



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9	<p>I am a biomedical engineer at a certain organisation. I went to assess concentrators at a certain central hospital and I found a Millennium M5 concentrator and it was showing a low purity alarm. We switched it on with my fellow colleagues. After 3-5 mins we tested it for purity and it was giving 21%, but the flow metre seemed to be misbehaving. We replaced it with another one and we got the same results. We later bypassed the flow metre and tested purity after the product tank. At this point the flow wasn't stable as it kept going higher and the purity was above 80% but the low purity sensor was still on. My colleagues came to a conclusion that the concentrator was okay as it was producing purity above 80% when tested after the product tank despite getting 21% at the patient outlet. Can we rely on this reading, can the concentrator be used on a patient?</p>	<a href="#">Link</a>