

## Oxygen Concentrator Troubleshooting

**\*\*Please refer to this guide for at home troubleshooting if you are having issues with your oxygen concentrator\*\***

### Yellow light

**\*\*Take tubing off the concentrator itself and leave it for several minutes running. If the light goes back to green, the issue is with the tubing. If the light stays yellow, it is an issue with the concentrator or filters\*\***

- Most models will have a yellow light when turned on at first. Normally it takes a couple minutes at least to go green, but all are different.
  - Invacare models (cream color) = takes several minutes
  - Drive models (black color) = takes a couple minutes
  - Everflo models (blue color) = should be green almost right away
  - 20+ minutes and still yellow= might be issue with the concentrator/filters
- Are there any kinks in the tubing?
  - Either replace tubing or get kink out
    - Kinks are common if patients drape the tubing over things or if the tubing goes throughout the house between different rooms.

- Dirty filter?

If a filter is dirty, it could clog up the airways for the air to flow into the concentrator.

- Invacare 5 liter
  - Black mesh filter located at the top on the back= check for dirt/hair
  - Inside HEPA filter located at the top on the back plastic= take the plastic piece off and check the filter. Clean is white.
- Invacare 10 liter
  - Black mesh filter located at the bottom of sides= check for dirt/hair
  - Inside HEPA filter is located on the top of the left side of concentrator. You may need something to pry open from the top= take the plastic piece off and check the filter. Clean is white.
- Devilbiss
  - Some have black mesh filters, others don't. Would be at the back top.
  - HEPA filter located inside at the top in in the back= take the plastic piece off and check the filter. Clean is white.
- Everflo
  - No black mesh filters.
  - HEPA filter located at the top left on the back of the concentrator. You may need something to pry open from the side= take the plastic piece off and check the filter. Clean is white.

- High hours
  - Concentrator life spans typically range from 40,000-60,000 hours.
    - Invacare models= rolling dial on front of concentrator.
    - Drive models= digital number on top of concentrator.
    - Everflo= digital numbers on top left side of concentrator.

\*\*If a yellow light is not addressed quickly enough, it could cause the light to turn red eventually on the machine. This is not an issue with the machine, the machine is trying to put out air but thinks it cannot because of whatever is causing the yellow light\*\*

\*\*Concentrators are **still** usable if the light is yellow and is putting out air. If you need new tubing/filters, please call us the next business day for us to deliver them\*\*

### **Red light**

- Normally will come on right away when turned on.
  - Try another outlet.
    - If plugged into a normal extension cord, the concentrator may not be receiving enough power to operate properly. A direct wall outlet is best, but a surge protector is ok if a wall outlet isn't available.
  - Still red with different power source
    - Call and schedule a switch out.
- If it goes red at random times but goes green sometimes
  - It may be caused from not fixing the yellow light at first.
- Noticeable white power at bottom of machine and/or at the wheels
  - Call us, the inside of the machine is malfunctioning and will need to be replaced.

### **Low feeling O2**

- Humidifier bottle tube/cap could be kink or loose.
  - If the water inside the bottle isn't bubbling, the lid could be loose/tubing kinked.
- Place tubing into a cup of water.
  - If the water bubbles, air comes out properly.
- Take the tubing off the machine.
  - Watch the ball in the liter flow tube.
    - If the ball moves once the tubing is taken off, it is an issue with the tubing not allowing the oxygen to flow correctly and will need to be replaced.
- Different color lights mean different things:
  - Yellow light= bad tubing or dirty filters preventing airflow
  - Green light= machine and tubing are working correctly.
    - Unfortunately, this could mean the patient's oxygen levels are lowering and they may need medical attention.

