

Troubleshooting Table

Symptom	Possible Cause	Corrective Action
No Oxygen Flow	1 Oxygen Tubing Kinked/Leaking	Check the nasal cannula and any extension tubing being used for kinks, blockages, or leaks. Verify that all tubing connections are secure. Replace and tubing if necessary.
	2 Humidifier Bottle Restriction (if used)	Check the humidifier bottle and tubing for blockages or restrictions.
	3 Flow Meter Closed (off)	Inspect the flow meter and verify that the ball is not at the bottom of the meter. If it is, turn the knob to increase the flow. Replace the flow meter if necessary.
	4 Internal Tubing Kinked/Leaking	Check all internal tubing for leaks. Verify that there are no leaks and that all connections are secure. Replace any tubing or parts if necessary.
	5 Bacteria Filter Restriction	Inspect the bacteria filter for a blockage. Replace if found to be clogged.
	6 Compressor Malfunction	Verify that the compressor is operating properly. Replace the compressor if necessary.
Low Or Fluctuating Oxygen Flow Rates	1 Oxygen Tubing Kinked/Leaking	Check the nasal cannula and any extension tubing being used for kinks, blockages, or leaks. Verify that all tubing connections are secure. Replace any tubing if necessary.
	2 Humidifier Bottle Restriction (if used)	Check the humidifier bottle and tubing for blockages or restrictions.
	3 Poor Concentrator Location	Verify that the concentrator is in a well-ventilated location and that air flow into the device is not impeded.
	4 Intake Filter Restriction	Inspect the intake filter for a blockage. Replace if found to be clogged.
	5 Bacteria Filter Restriction	Inspect the Bacteria filter for a blockage. Replace if found to be clogged.
	6 Internal Tubing Kinked/Leaking	Check all internal tubing for leaks. Verify that there are no leaks and that all connections are secure. Replace any tubing or parts if necessary.
	7 Flow Meter Malfunction	Verify the functionality and accuracy of the flow meter. Replace if necessary.
	8 Regulator Malfunction	Check the outlet pressure. If it is out of the acceptable range, adjust or replace the regulator.
	9 Compressor Malfunction	Verify that the compressor is operating properly. Replace if necessary.
Low Oxygen Concentration (below 87% concentration)	1 Intake Filter Restriction	Inspect the intake filter for a blockage. Replace if found to be clogged.
	2 Bacteria Filter Restriction	Inspect the Bacteria filter for a blockage. Replace if found to be clogged.
	3 Poor Concentrator Location	Verify that the concentrator is in a well-ventilated location and that air flow into the device is not impeded.
	4 Internal Tubing Kinked/Leaking	Check all internal tubing for leaks. Verify that there are no leaks and that all connections are secure. Replace any tubing or parts if necessary.
	5 Solenoid Valve Malfunction	Verify the operation of the 4-way solenoid valve. Replace if necessary.
	6 Compressor Malfunction	Verify that the compressor is operating properly. Replace if necessary.
	7 Sieve Bed Failure	Replace the sieve beds assembly.
Overheating	1 Poor Concentrator Location	Verify that the concentrator is in a well-ventilated location and that air flow into the device is not impeded.
	2 Cooling Fan Malfunction	Verify that the cooling fan is connected properly to the circuit board and check the continuity of the connection. Replace the cooling fan if it is not functioning.
Outlet Pressure Out of Acceptable Range (4.3 - 4.9 psi).	1 Internal Tubing Kinked/Leaking	Check all internal tubing for leaks. Verify that there are no leaks and that all connections are secure. Replace any tubing or parts if necessary.
	2 Regulator Out of Adjustment	Adjust the regulator.
	3 Regulator Malfunction	Replace the regulator.
	4 Sieve Bed Failure	Replace the sieve beds assembly.

Symptom	Possible Cause	Corrective Action
Constant Audible Buzzer With Red Light (Alarm Code: AL-P02)	1 Power Failure	Verify that the electrical cord is plugged into an outlet and that there is power being supplied to the outlet. Replace the electrical cord if necessary.
	2 Blown Fuse	Replace fuse on circuit board.
Will Not Turn On When Power Switch is "ON" (I)	1 No Power Being Supplied	Verify that the electrical cord is plugged into an outlet and that there is power being supplied to the outlet. Also check the household circuit breaker.
	2 Power Switch Malfunction	Verify that the power switch is plugged into to the main circuit board. Replace the power switch if necessary.
	3 Electrical Cord Malfunction	Verify that the electrical cord is plugged into to the main circuit board. Replace the electrical cord if necessary
	4 Blown Fuse	Replace fuse on circuit board.
LED Lights Will Not Illuminate	1 No Power Being Supplied	Verify that the electrical cord is plugged into an outlet and that there is power being supplied to the outlet.
	2 Circuit Board Malfunction	Verify that all connections to the circuit board are intact. Replace the main circuit board if necessary.
	3 Blown Fuse	Replace fuse on circuit board.
Audible Alarm Does Not Sound	1 Circuit Board Malfunction	Verify that all connections to the circuit board are intact. Replace the main circuit board if necessary.