



## Eagle Eye Anesthesia

11233 St John's Industrial Parkway S.  
 Jacksonville, FL 32246  
 800-760-6976  
 www.eagleeyeanesthesia.com

<u>Observation / Problem</u>	<u>Possible Cause</u>	<u>Solution / Corrective action</u>
Not holding pressure / leaking during pressure test.	Breathing circuit, breathing bag not attached securely or has a hole.	Confirm parts are securely attached, check breathing circuit and bag for leaks by replacing and retesting.
	Absorber canister not tightened, or upper / lower gaskets have absorbent particles / powder preventing a complete seal.	Confirm absorber knob is tightened securely. Confirm upper / lower gaskets are present and free of absorbent particles / powder.
	Vaporizer adapters loose / not securely attached.	Confirm adapters are securely pressed on and tight.
	Connections and hoses.	Confirm all connections are secure and all hoses are undamaged.
	Pop-off / Scavenging valve not closed completely.	Confirm valve is completely closed.
Difficulty in inducing and/or maintaining proper anesthetic depth. "Patient will not go to sleep or stay asleep as expected."	CO2 absorbent	Replace soda-sorb from a new unopened source every 6-8 hours of use.
	Leaks: leaks at breathing circuit, bag, absorber, connections, hoses.	Pressure test machine to determine if leaks are present. (see: Functional Tests)
	Vaporizer causes: Calibration low, vaporizer leak.	Vaporizer requires service. Call for assistance.
	Check Valves warped or not closing completely	Replace check valve disks. Call for assistance.
	Single limb breathing circuit damage or separation of inner tube.	Discard and replace breathing circuit.
	Flush valve leaking.	Replace faulty valve. Call for assistance.
	Active scavenging system providing too high vacuum pressure. Bag remains flat and does not fill appropriately.	Confirm scavenging air inlet valve is in place and clean (not restricting free air passage into scavenging system).
Flow meter will not shut off completely.	Needle valve worn or adjustment needed	Valve may be worn and need replacement or adjustment needed. Call for assistance.
Oxygen flush valve will not shut off completely.	Faulty valve.	Replace Faulty valve. Call for assistance.



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<p>Moisture / condensation observed in breathing circuit, exhalation check valve and / or absorber canister.</p>	<p>Moisture comes from the patient's exhale and condenses on the internal surfaces of the machine. Larger patients (or multiple patients in a row) and lower ambient room temperature are factors which can increase condensation. The larger the patient and the cooler the ambient temperature, the more condensation will develop.</p>	<p>Removing the breathing circuits and breathing bag from the machine at the conclusion of surgery will allow the machine to air out and evaporate the condensation overnight. Severe cases may be caused by a pool of moisture retained in the check valve that should be manually dried. Once dried and nightly removal of components are employed, the accumulation of condensation should lessen.</p>
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