



Eagle Eye Anesthesia

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Checking for leaks

It is recommended that before each use, a pressure test or "leak check" is performed on the machine to confirm that the machine is leak free and also ensure that the waste gases have a patent way through your evacuation system.

- 1) Confirm that your oxygen supply is connected and turned on.
- 2) Confirm that a breathing circuit and breathing bag are securely in place.
- 3) Close the Pressure Relief (Pop-off / Scavenging) Valve.
- 4) Occlude the end of the breathing circuit with your palm or thumb.
- 5) Turn on the oxygen flow meter until the bag fills and the manometer reads 30cmH₂O.
- 6) Once the manometer indicates 30 cmH₂O, turn off the flow meter.
- 7) If the pressure remains constant with the flow meter turned off, your machine, breathing circuit and bag can be considered leak-free.
- 8) Open the Pressure Relief (Pop-off / Scavenging) Valve to its usual setting.
- 9) Gently squeeze the bag (while still covering the end of the breathing circuit) to ensure there is a patent exhaust route from the machine to your scavenging system.
- 10) The machine, breathing circuit and breathing bag are now ready for use.
- 11) If the manometer pressure drops, either the machine, the breathing circuit or breathing bag has a leak.
- 12) Determine the amount of leakage by slowly turning the flow meter back on and pressurizing the system back up to 30cm H₂O as indicated on the manometer.
- 13) Once the manometer indicates 30cmH₂O, slowly turn down the flow meter just enough to maintain a constant reading of 30cmH₂O. The flow rate needed to maintain a constant reading is the amount of the leak.
- 14) If the manometer indicates increasing pressure with the flow meter turned off, see: Functional Tests / Checking the Oxygen Flush; Checking the Flowmeter and Needle Valve.