



SUMMIT MEDICAL

Equipment Company

Premiere inhalant anesthesia systems for research and private practice veterinarians

10 SECOND TEST

Before each use, "leak check" the machine, and also ensure that the WAG's (Waste Anesthetic Gases) have a patent way through your WAG management system

1. Close pop-off valve and cover the Y-piece (or NRB system) with your palm or thumb.
2. Use O₂ flush or turn on oxygen until the RB (or NRB) bag is fully distended.
3. Bag should be pressurized to approximately 30 - 40 cmH₂O.
4. Turn the O₂ off and watch the manometer, or the bag if your machine does not have a manometer.

If the manometer reading drops rapidly, or the bag deflates rapidly, or if you hear a hissing sound, you have a leak. The faster the needle on the manometer drops, the bigger the leak you have.

5. Check hoses, bag, vaporizer inlet and outlet, or any screw down fittings. Check the seals at the top and bottom of your soda sorb container for leaks.
6. Continue to inflate the bag to find leaks. The use of Windex[®] will aid in the detection of leaks because it bubbles up to show where gases are escaping the anesthesia system.
7. When the pressure remains fairly constant with the oxygen turned off, your machine can be considered leak free on the low pressure side.
8. Reopen the pop-off to the fully open position.
9. Squeeze the bag (with your thumb still over the Y-piece) to ensure the gases have a patent way out of the anesthesia system and through your scavenging system.
10. Please note: The use of 30 – 40 cmH₂O to pressurize the system and stress it to find leaks should NOT be used with a patient. This high pressure is reserved for testing purposes only.