Pressure Test Instructions:
This pressure test kit will help determine if there is a hazardous leak in the breathing head, breathing tube or breathing bag. A pressure test should be performed before each anesthetic procedure and after the soda lime is changed.

Follow these steps for a quick and easy check of your breathing head:

- Occlude the inspiratory, expiratory and rebreathing bag port.
- Close the pop-off valve.
- Using the flowmeter (**DO NOT USE THE FLUSH VALVE**), increase the pressure on the manometer to 30cm/H₂O. Turn the oxygen off.
- Observe the manometer for 30 seconds.
  - If the manometer remains at 30cm/H₂O, the equipment is safe to use. If the manometer increases in pressure, there is a significant oxygen leak in the flowmeter or flush valve and needs to be corrected before using the machine.
  - If the manometer pressure begins to drop, set the oxygen flow at 200cc/minute and observe the manometer. The pressure on the manometer should remain constant or rise. If the manometer continues to drop there is a leak in the equipment which needs to be isolated and corrected before using the machine.
- If a leak is detected, turn off oxygen cylinder or disconnect equipment. Contact your Vetamac service technician for assistance.
- **VERIFY THE POP-OFF VALVE IS OPEN AFTER PRESSURE TESTING IS COMPLETE!!**
- Perform individual tests on breathing circuit & bag to detect possible leaks in these components.

If interested in machine service, please call (800)334-1583 to determine if Vetamac has a technician in your area.
Pressure Testing of Breathing Bags and Tubes

A pressure test of the machine should be performed FIRST to verify there are no significant leaks in the machine.

**Pressure Test of Breathing Bag:**
- Occlude the inspiratory & expiratory ports using the longer tubing.
- Place bag on re-breathing bag port.
- Close the pop-off valve.
- Since the bag is compliant, use the flush valve until the manometer reads 20cm/H$_2$O. Use flowmeter to bring pressure up to 30cm/H$_2$O.
- Set the oxygen flow at 300cc/minute. Observe the manometer.
- The pressure on the manometer should remain constant or rise. If the pressure begins to drop, the bag has a leak and should be discarded.
- **Release pressure by opening pop-off valve.**

**Pressure Test of Breathing Tubes:**
- Occlude the re-breathing bag port using the short piece of tubing with the red stopper in the end.
- Place breathing circuit tubing on inspiratory & expiratory ports. Occlude the end of the tube that goes to the patient with your hand.
- Close the pop-off valve.
- Use flowmeter to bring pressure up to 30cm/H$_2$O. **Do Not Use Flush Valve.**
- Set the oxygen flow at 300cc/minute. Observe the manometer.
- The pressure on the manometer should remain constant or rise. If the pressure begins to drop, the circuit has a leak and should be discarded.
- **Release pressure by opening pop-off valve.**