

Sentinel BG-4 Test Procedures Check List

STEP	RZ TESTER SETTING	PROCEDURE
1. Visual Inspection		Facepiece, Hoses, and Refillable Canister
2. O ₂ Cylinder		Cylinder pressure greater than 2600 PSI
3. Low-Pressure Warning	Zero Adjust Screw Test Adapter into RZ Pos. Pressure Pumping	Low-pressure warning should activate at less than 1.4 mbar.
4. Inhalation Valve	Pos. Pressure Pumping	Tightly pinch Exh. Hose, pump slowly until 10 mbar is indicated.
5. Exhalation Valve	Neg. Pressure Pumping	Tightly pinch Inh. Hose, pump once until -10 mbar is indicated.
6. Drain Valve	Pos. Pressure Pumping	Fit sealing cap over relief valve - pump until 10 mbar is indicated.
7. Leak Test w/Positive Pressure	Leak Test Neg. Pressure Pumping	Press button to reduce pressure to 7 mbar - Start Stopwatch. Pressure should not change by more than 1 mbar in one minute. Remove sealing cap.
8. Relief Valve	Pos. Pressure Pumping	Pump until relief valve opens - Should be between 2 and 5 mbar.
9. High Pressure Leak Test	Leak Test	Open Cylinder Valve (must have 2600 psi). Bodyguard Displays (Close Cylinder Icon) Close Cylinder Valve. Bodyguard Displays (Open Cylinder Icon) Open Cylinder Valve.
10. Constant Metering Valve	Pos. Pressure Pumping Red Dosage 0.5 - 2 L/min	Fit sealing cap over relief valve - Pump until breathing bag is inflated. Constant dosage should lie between 1.5 and 1.9 L/min.
11. Minimum Valve	Neg. Pressure Pumping	Breathing circuit will vent automatically. Remove sealing cap from relief valve. Pump slowly until hissing sound is heard. Minimum valve should open between 0.1 and 2.5 mbar.
12. Bypass Valve	Leak Test	Press Red Bypass Valve Button - Oxygen must be heard to flow into the circuit. Breathing bag inflates.
13. Residual Pressure Warning	Leak Test	Close Cylinder Valve - Watch Bodyguard Display Unit - Warning should be generated at approx. 700 psi. Unplug coupling from RZ and replace sealing cap on plug-in coupling when pressure reaches 0 psi.
14. Battery Check		On activation and deactivation the Sentinel automatically checks and displays battery capacity. Battery Warning 1 (When Benching) - Replace Battery Battery Warning 2 Replace Battery before any new operation. Turn unit off by simultaneously pressing right and left buttons.