

2015
BIOPAK 240-R BENCH



JUDGE'S PACKET

Visuals

Diaphragm Spring
Facepiece
Vent Spacer
Vent Valve
Breathing Diaphragm

Cut short
Magnetic Wiper (Damaged Felt)
Up-side Down
Red Spring
Cut

Tester

RMS Battery	Missing	Constant Flow Test
Constant Add Line	Plugged	Constant Flow Test
Constant Flow Restrictor	Plugged	Constant Flow Test
Vent Valve Seat	Small Hole	Leak Test
High Pressure Line (Cu)	Loose near Regulator	Leak Test

VISUAL APPARATUS CHECKS		CONNECTIONS	
Check if ok			Vent Valve Assembly - Hand Tight
UPPER HOUSING			Diaphragm Worm Gear - Wrench Tight
LOWER HOUSING			Flow Restrictor - Wrench Tight
Harness Assembly			Breathing Hose Worm Gear - Wrench Tight
External Gage			Add / Constant Fittings - Hand Tight
O2 Regulator / Seal			Center Section Lid - Hand Tight
RMS			Center Section Push Pins - Hand Tight
CENTER SECTION ASSEMBLY			Cylinder Connection - Hand Tight
Diaphragm			Adapter to Facepiece - Hand Tight
O-Ring for damage / lubrication			Test Fixture Connections - Hand Tight
Sealing Edges	✓		Check if ok
Demand Valve Assembly			Zero Adjust the Mag. Gauge
Moisture Pads			CONSTANT FLOW TEST
PCM			Flow Between 1.6 and 2.4 Lpm - State Reading
CARBON DIOXIDE SCRUBBER			DEMAND VALVE TEST
Defects / Damage			EMERGENCY BYPASS TEST
Gasket			VENT VALVE TEST
Expiration Date			At or below 2 inches wg - State Reading
CENTER SECTION LID ASSEMBLY			LOW PRESSURE LEAK TEST
Examine for defects / damage			RMS GAUGE AND TRIM TEST
Sealing Edges			Observe lights/gauges +/- 10% - State Reading
Ice Canisters			HIGH PRESSURE LEAK TEST
Coolant Lids			LOW PRESSURE ALARM TEST
CYLINDER TEST			Alarm 650-1000 psig - State Reading
Hydrostatic Test Date			Power down below 25 psig
Cylinder Pressure on Gauge			
Pressure Rating on Cylinder	VI	C	VISUAL APPARATUS
			Diaphragm Spring - Cut Short
Sealing Edges			Face Piece - Magnetic Wiper (damaged felt)
Stretching of Hoses for Pliability			Vent Spacer - Up-side Down
Adapter Assy O-ring damage & lubrication			Vent Valve - Red Spring
FACEPIECE TEST			Breathing Diaphragm - Cut
Head Strap Assembly	VI	C	TEST APPARATUS
Mask Body / Nose Cup			RMS Battery - Missing
Sealing Edges			Constant Add Line - Plugged
Speech Diaphragms			Constant Flow Restrictor - Plugged
Lens / Anti-Fog Insert			Vent Valve Seat - Small Hole
Magnetic Wiper			High Pressure Line (Cu) - Loose near Reg.