



ALPS Leak Detection Equipment: Operation Checks + Maintenance Timeline

Your purchase of ALPS leak testing and inspection equipment is setting your business up for cost savings and success! But to keep your machinery performing at its best, it is critical to follow the manufacturer’s recommended operation checks and routine maintenance. While your manual will provide you with the exact breakdown required for your unique machine, here is a general overview you can print out and use to get started.

DAILY OPERATION CHECKS

Task	Completion Time (Minutes)	Date Completed	Notes / Further Attention Required
Test Head: Review and evaluate the test head data to identify any problem test heads.	5		
Operation: Check for smooth container handling with no interference from the tooling components and guide rails.	2		
Windows and Controls: Check function of window safety device. Opening of any window, while in any running condition, should result in an immediate shut-down of the machine. Check function of all emergency stops.	15		
Probe Retract Limit Switch: Confirm all limit switch LEDs are ON when the probe is retracted.	1 per probe		
Additional Tasks	Completion Time (Minutes)	Date Completed	Notes / Further Attention Required

WEEKLY MAINTENANCE

Task	Completion Time (Minutes)	Date Completed	Notes / Further Attention Required
General Machine Review			
Conveyor: Wipe down flights with a clean, dry cloth. Inspect the conveyor for broken and or bent links, which may cause instability. Inspect upper and lower surfaces of conveyor belt links for excessive wear.	10		
Container Sensors/PE's: Use clean, filtered shop air (50psi max) to remove dust.	5		
Photo-Eyes: Clean all photo-eyes with a clean, dry cloth and confirm that the photo-eye is firmly secured and correctly aligned with the reflector.	5		
Test Head			
Probe Seals: Check for wear or damage and wipe down with soap and water.	5		
Probe Valves: Check for leaks and obvious malfunctions.	10		
Cylinder Rod: Check for bends and or excessive wear.	5		
Valve Review: Check valves for any leaks and obvious malfunctions.	5		
Air Lines: Check air lines at test probe and test head for signs of wear or leakage and check for loose or broken fittings.	5		
Pneumatic			
Air Regulator and Filters: Confirm the correct main air regulator setting. Check the condition of the primary element and change if necessary.	3		
Air Setting: Confirm correct main air regulator setting.	2		

Task	Completion Time (Minutes)	Date Completed	Notes / Further Attention Required
Miscellaneous			
Guards: confirm all fixed guards are in place.	5		
Inspection Area: Clean away all foreign materials from conveyor or turntable and wipe surfaces with a clean, dry cloth.	10		
Tooling components: Wipe all tooling components with a clean, dry cloth.	10		
Additional Tasks	Completion Time (Minutes)	Date Completed	Notes / Further Attention Required

MONTHLY MAINTENANCE

Task	Completion Time (Minutes)	Date Completed	Notes / Further Attention Required
Air Filters: Wash and replace as necessary.	5		
Drive Belts: Check the drive belts for excessive wear and proper tension. (If applicable)	30		
Timing Screw Drive Shaft: Inspect U-joints and boots. (If applicable)	5		
Gearboxes: Check for leaks in the main gearbox and timing screw gearbox.	5		
Lubrication: Lubricate the shaft bearings. (If applicable)	5		

Task	Completion Time (Minutes)	Date Completed	Notes / Further Attention Required
Vacuum Motor (Optional): Keep the unit clean to avoid overheating. Check for unusual noise and loose or worn components. Check the two filters and replace as necessary.	10		
Container Movement: Look for any obstructed movement during the inspection process. Container transition into and out of the testing phase should run smoothly.	2		
Container Handling: Check the function of the star wheels and infeed timing screw clutches. (where applicable)	10		
Test Head: Check the function of each Test Head by using the Self-Test function of the HMI. After selecting self-test, verify that the appropriate container is ejected from the line.	10		
Additional Tasks	Completion Time (Minutes)	Date Completed	Notes / Further Attention Required



ALPS IS PROUD TO OFFER 24/7 SUPPORT AS WELL AS ONGOING SERVICE SUPPORT.

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