



MERCER TECHNOLOGIES, INC. PREVENTATIVE MAINTENANCE PROGRAM

Our program covers an initial twelve (12) month period:

- * Helium leak detection of each unit four (4) times during the period. (Approx. every three (3) months).
- * General observation of furnace system.
- * Check for external inert gas leaks.
- * Check water hose condition and verify flow.
- * Check door hinges on front load and lubricate.
- * Check operation of cylinders, fill line oiler and lubricate packing with vacuum grease.
- * Check & lubricate all external motors.
- * Check belt condition on all pumps, Replace as necessary.
- * Check oil level in mechanical pumps, change four (4) times during the period, change valves and springs four (4) times during the period and check for proper operation.
- * Check condition of each Hot Zone's insulation, heating element assembly, insulators, hearth, and contamination level.
- * Check power supply for proper water flow and check terminals for cleanliness.
- * Check power cables for insulation integrity, connection tightness and water flow where appropriate.
- * Provide written report of condition of each unit including recommendations for any additional requirements.
- * M-Tech to supply oils and pump components except customer to supply diffusion pump oil.
Note: Materials included are vacuum pump oils, belts, and pump valves, springs, gaskets, and o-rings. Customer is to supply all other furnace components. Any items needed repaired will be performed after customer approval and will be added to the next quarterly payment.

**1600 Savannah Ave. Terre Haute, IN 47804 (812) 466-0440 phone (812) 466-0445 fax
sales@mercerc-tech.com**