Unit Maintenance

14. Suggested Maintenance on the DH Unit

Preventive maintenance is the best way to avoid unnecessary expense and inconvenience. Have this system inspected at regular intervals by a qualified service technician. The required frequency of inspections depends on the total operating time and the indoor and outdoor environmental conditions. Routine maintenance should cover but not limited to the following items:

EVERY MONTH

AIR FILTERS: Check for cleanliness and replace if necessary

Directions for the replacing of filters:

Replace only with filters designed for a minimum airflow of 500 FPM.

Replace only with the quantity and sizes stated on the unit nameplate or per the unit drawing.

Filters may need to replace more often or less often if the air quality conditions around the unit dictate so.

EVERY 3 MONTHS

ROTOR CHAIN: Check for chain wear, chain tension, chain alignment.

ROTOR ROTATION SWITCH: Check control to insure proper operation (Make sure switch is closing when it comes in contact with the magnetic sensor).

EVERY 6 MONTHS

BLOWER FAN: Check Fan alignment and bolt tightness (Do Not Over Tighten)

PILOT ASSEMBLY: Inspect and clean pilot assembly if necessary, check spark electrode flame rod and/or UV site glass (Site glass must be cleaned with soft tissue).

DESICCANT ROTOR: Examine desiccant media and seals for physical damage and cleanliness. (Clean rotor with 100 PSI air if necessary – refer to Rotor Cleaning Section of Manual).

ONCE A YEAR

ELECTRICAL COMPONENTS:	Turn the Main disconnect switch off and then open the electrical panel door. Make sure all controls are clean and free from dust and grease. Inspect for loose wires and terminals (Tighten as necessary).
ELECTRIC HEATER:	Inspect the wiring leading to the electric heaters for cracks, frays or melted wire coating or shielding. (Replace as necessary)
	Inspect the ceramic insulators for cracks (replace as necessary).
	Check for any broken heater wires (replace as necessary).
	Inspect the electric heater terminals for tightness. (Be sure not to over tighten them as this may crack the ceramic insulators).
BURNER:	Check for any rust accumulation in burner orifices (Clean as necessary making sure not to use a tool that will make the holes larger).
	Inspect the burner looking for any cracks or distortion in the burner baffle plates.
	Clean the burner with compressed air and follow with a clean rag to remove any debris.
	Check gas supply pressure to insure that the pressure matches the Name Plate.
	Check to make sure you have a good pilot flame.
	Check burner operation to make sure it modulates properly.
	Inspect the gas train and check for any gas leaks.
DESICCANT ROTOR:	Examine desiccant media and seals for physical damage and cleanliness. (Clean with 100 PSI air if necessary – refer to Rotor Cleaning Section of Manual).

FIVE YEAR INTERVAL

DESICCANT ROTOR: Thoroughly examine rotor and inspect for damage. If rotor face is damaged repair or replace rotor. (Refer to “Desiccant Rotor Repair” under the Maintenance Of The Rotor section)

Examine seals for wear, and replace if required.

The above is only a suggested maintenance schedule for the unit.

If you have any questions please contact the Customer Service Department at Climate By Design International. by phone at 507-451-2198 or by E-mail at “customerservice@cdihvac.com”