

27. MAINTENANCE

NOTE

All routine and special maintenance operations must be carried out exclusively by qualified staff.

Before starting any servicing operation or cleaning, be sure to disconnect the power supply to the unit.

All appliances are subject to inevitable wear and tear over time.

Maintenance makes it possible to:

- Maintain the efficiency of the unit
- Reduce the speed of deterioration
- Gather information and data and understand the status of efficiency of the unit in order to prevent possible breakdowns.

It is therefore fundamental to envision periodical controls:

- **YEARLY**
- **SPECIAL CASES**

Keep a maintenance log on the machine (not supplied with the unit, the user's responsibility) that enables you to keep track of the servicing carried

out on the unit. This makes it easy to organise the work appropriately and facilitates troubleshooting on the machine.

In the log, record the date, type of work carried out (routine maintenance, inspection, or repair), a description of the work, any measures taken, and so on....

• **Yearly checks**

Cooling circuit

- Verify the watertight integrity of the cooling circuit and that the pipes have not been damaged.
- Perform an acidity test on the oil of the cooling circuit.
- Verify the operation of the high and low pressure pressure switches; in the event of poor operation, replacement is recommended.
- Check the status of furring on the dehydrator filter; replace the filter if necessary.

• **Electric controls**

- Check the condition of the electrical wires and their insulation.
- Verify the functioning of the resistance of the evaporator and of the compressor sump.

• **Mechanical checks**

Check the tightness of the screws on the fan grids and on the fan bodies, the compressors and the electric box, as well as the exterior panelling of the unit. Incorrect fastening can lead to anomalous noise and vibrations.

Check the condition of the structure. If there are any oxidised parts, treat with paint suitable to eliminate or reduce oxidation.

• **Hydraulic controls**

- Clean the water filter
- Bleed the air from the circuit.
- Verify that the water flow rate to the evaporator is always constant.
- Verify the status of the thermal insulation of the hydraulic piping
- Where envisioned, check the percentage of glycol.



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