Maintenance and Cleaning of the AirCool system

The Air Cooling Unit (ACU) is pre-set by Flexmort to achieve your specific temperature requirements. Please do not alter any settings without first consulting Flexmort.

The ACU requires annual preventative maintenance. If this falls within your rental period Flexmort or it's approved agents will contact you to make a mutually agreeable appointment to attend at the installation site.

Please report any faults to Flexmort.

IMPORTANT NOTE: All cleaning and maintenance operations of the ACU must only be performed when it's switched off and disconnected from the power supply.

info@flexmort.com

The Flexmort AirCool

Daily Checks

- When the equipment is being used, the ACU should be checked to ensure it is running at the correct temperature. This is done by looking at the ACU's LED screen. In normal operation the temperature will vary approximately 1.5°C to 2.0°C +/- setpoint.
- The mortuary insulation should be checked to ensure there's no tears or gaps.
- Ensure all side grilles around the ACU are clear of dust and debris and not obstructed with air flow available to all the grilles. We recommend a minimum of 50cm of space around the unit for optimal air flow.
- Ensure the top fan grille and air gap around the base of the ACU are free of obstruction.

- If required, gently wipe or brush the side grilles clean. Do not spray cleaning liquids directly on to any part of the unit.
- The body boards should be cleaned/ decontaminated after each use using plasticsafe disinfectant such as *BioGuard* (common in mortuaries).

Monthly Checks

It's recommended that the insulation and racking should be cleaned/ decontaminated at least monthly using plastic friendly disinfectant such as BioGuard. Body fluid spills should be cleaned immediately following your company procedure.

Quarterly Checks

Racking should be checked to ensure that it is structurally sound and that brakes/ screws are properly tightened.

The mortuary insulation should be checked to ensure there's no tears or gaps

Annual Checks – Refrigeration Specialist Required

The refrigeration system should have a preventative maintenance visit. This should be carried out by a qualified person. An electrical safety check (PAT inspection) may also be required as per your internal procedures.

NB. Maintenance access inside the unit is gained by removing the handle assembly and the 2 screws behind the top fan grille and carefully pulling the cover panel rearwards and away from the main body.

Troubleshooting

There is condensation dripping from the bottom of the ACU and/or the ACU displayed temperature is not reaching setpoint:

- The ACU contains a condensation management system which could become overwhelmed in extreme circumstances. To mitigate this, ensure that there is sufficient air gap around the ACU.
- Check that there are no kinks in the two grey ducts connecting the ACU to the mortuary and they are connected securely with no gaps.
- Thoroughly check there are no gaps in the mortuary insulation, paying special attention to the doors.
- Ensure sufficient room ventilation by opening doors and windows. The use of an electric fan can help air circulation.

The compressor operates uninterruptedly or for long periods

Check for ice build-up on the evaporator:

1. Remove the top grey ducting tube from the front of the ACU and ensure that the evaporator fins are clean and that there is no build-up of ice. **Safety note: do not touch the evaporator, use a soft brush only, as the fins are sharp.**
2. If the evaporator is clogged with ice, after the manual cleaning tasks have been completed and the unit is powered back ‘on’, carry out a manual defrost cycle by holding down the ‘UP’ button of the control panel for more than 10 seconds.
3. Repeat this procedure until the evaporator is completely clean. Check after 12 hours.

Disposal of the System

Once the ACU has come to the end of it's useful life the gas remaining in the chiller unit **must be recovered by a qualified technician**. Once this has been completed the unit can be dismantled and recycled.

The insulation, racking and boards, once completely decontaminated, can be dismantled and recycled where possible.

Servicing

Flexmort offer fully comprehensive service agreements to maintain all aspects of the AirCool system.

Contact service@flexmort.com for all your service requirements.