

## HUMIDITY SOLUTIONS PROTECTS PRIVATE CLASSIC CAR COLLECTION

### OVERVIEW



Car  
Storage



50%RH



70m<sup>3</sup>

Because of its close relationship with temperature, humidity levels can change drastically throughout the year. Seasonal British weather can result in a wide range of humidity conditions which can be difficult to guard against without the proper equipment.

Unprotected classic cars risk the degradation of many of the iconic materials which characterise their models. High humidity levels can promote mould growth, rust and corrosion, decaying statement leather upholstery and wooden veneers. Low humidity levels can cause rubber to crack, risking leaks and fluid loss.

When our client noticed condensation build-up on his vehicle, a well-loved Jaguar, and other surfaces in his garage during the long Winter storage period he turned to us for help. One of our specialists conducted a site visit and recommended he control the garage's humidity using a Mobile Cotes dehumidifier, a compact powerful range which deliver results without requiring floorspace.



### GREAT HUMIDITY PROTECTION FROM A SMALL PACKAGE

Following detailed sizing, specification and further consultation with one of our specialists, the client purchased a [Cotes CR240 Lightweight](#), with installation and after-sale care provided by Humidity Solutions. This model could reach the target extraction rate of 0.55kg/h, with its maximum extraction rate at 0.8kg/h to handle the worst British weather could throw. The client then chose to enhance their humidity protection using a DR10 Humidistat, a constant humidity monitor which can react to changes in relative humidity levels and automatically activate the unit without human interference.

Thanks to the unit's small size and robust, lightweight materials installation was possible by a single engineer, reducing the cost of installation significantly. Additionally, the unit encourages air movement, providing a recirculation rate of 240m<sup>3</sup>/hr. This internal air movement grants the benefits of ventilation without introducing fresh, untreated air from outside the environment.

The desiccant silica wheel requires a small amount of fresh air to regenerate its drying qualities. In this application, a small flow of fresh air is channelled to the dehumidifier through a small, discrete vent. The vent is specifically designed to prevent air leakage and allows removal of waste, wet air from the control environment without the complication of adding drain feed or the need to manually drain the unit regularly.

### QUALITY RESULTS ARE WORTH REPEATING

Running from a single 230V input, the Cotes CR240B didn't require any intrusive changes to the facility's power grid. The desiccant technology used in the model recommended by our specialist ensures the unit's effectiveness even in low temperatures typical of British wintertime. Year-round protection now prevents the stored Jaguar from rusting, corrosion and mould damage across the worst of British weather.

Since the success of this installation and the excellent results achieved by the Cotes CR240B, the client has gone on to choose a model from the same range to protect an even larger garage hosting a Ferrari and an AC Cobra.

“ I am delighted with the service we provided, the after-sales support and the Cotes dehumidifier. The range is straightforward to install and operate. I can rest easy knowing they will keep client's investments safe or years to come.

- Freddie Kar,  
Dehumidification Specialist

### BENEFITS

- + **11kg** dehumidifier capable of single person installation.
- + **24/7** humidity control through the DR10 Humidistat.
- + **Minimal** floor space.
- + **240m<sup>3</sup>/hr** air movement ensuring good air recirculation