

Case study 519

Poultry farm seeks dehumidification

Excessive quantities of condensation and high humidity levels can have drastic consequences on a production process, but when these problems arise Andrews Dehumidification can help. We understand the importance of companies adhering to stringent health and safety guidelines, and the repercussions of failing to do so – which is why we pledge to respond to emergency callouts within four hours.

So when a poultry farm encountered humidity issues within their premises, we were tasked with providing an appropriate hire solution. Poultry on site pass through a hot water container as part of the plucking phase, but the heat and moisture subsequently created was causing relative humidity to reach undesirable levels. This in turn caused water to drip onto floors, work surfaces and nearby equipment, contravening hygiene regulations.

Our response was to recirculate air from within the vicinity by deploying four KT2000 desiccant drying units. These were selected because of their suitability for environments where very low relative humidity is required. Once commissioned, the dehumidifiers sucked vapour-laden air from inside the building, dried it, then forced it back inside. Desiccant products are ideal for industrial processes and come equipped with mounted particulate and oil-removal pre-filters – helping to restore the desired conditions inside the facility.

One of our dehumidification specialists visited the location to conduct an assessment, and this extended to strategically evaluating where would be best to situate each of the four units. This overall procedure proved successful by eliminating all condensation and enabling production to continue as it had been before.



Extraction rate (max) 450 litres/24hr
Nominal extraction duty at 75% RH @ 20°C 300 litres/24hr
Power supply 415V 3ph 50Hz
Plug type BS4343 5 pin 32A
Noise level (max) 82.75 dBA @ 1 metre
Weight 225kg
Dimensions (LxWxH) mm 1,290 x 890 x 1,050
Control Manual (humidistat option)
Average power consumption 20 kW/h

