

# Case study 535

## Andrews provide dehumidification hire package for local city council

When a Hampshire based city council experienced difficulties in controlling humidity levels in their archive store, our specialists were drafted in to provide them with an effective dehumidification solution.

The council has an archive store which suffers from dampness due mainly to the age of the building. Subsequently, relative humidity levels within the archive's basement are very high which in turn has led to mould building up on important documents – causing avoidable damage.

In order to protect these irreplaceable documents from further decay, a specialist visited the site to conduct a site survey and calculate the volume of moisture that required to be extracted from the basement in order to provide desirable relative humidity levels. A tailored solution was recommended which included the hire of two DH150 refrigerant dehumidifier dryers, accompanied by condensate containers.

Our experts positioned the units in opposing corners of the basement, with all moisture collected being drained into the condensate containers provided. This air helped dry the area and maintain a relative humidity of 50%, while giving protection against additional moisture entering the basement.

Without this tailored dehumidifier hire, our client could not have dried out the basement, which would have eventually led to the complete deterioration of thousands of priceless documents.



Extraction rate 210 litres/ 24h  
Air flow (max) 12500 m<sup>3</sup>/h  
Weight (kg) 497 kg  
Power supply 415 V 3 ph 50 Hz Run 7 A  
Noise level (max) 63.83 dBA @ 1 metre  
Dimension 660 x 660 x 1,313 mm  
Control Manual Humidistat Option  
Nominal extraction duty at 75% 150 litres / 24 h  
Keep dry area (typical) 3200 m<sup>3</sup>  
Dry out area (typical) 1500 m<sup>3</sup>  
Plug type Hard wire  
Average power consumption 2.7 kW/hr



 **ANDREWS**  
**DEHUMIDIFICATION**

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