

# Case study 507

## X-Ray Storage Needs Andrews Dehumidification Hire

When handling X-ray films in areas of high humidity, it is crucial to provide dehumidification to prevent any excessive moisture causing irreversible damage. High humidity can promote mould growth and ferrotyping which will deteriorate and decolour the filmed sheets.

A specialist document storage company was requested by one of its existing clients to control the humidity levels within set parameters whilst storing x-ray films. The requirement was to ensure long term protection for these radiographs. The storage area - located in Somerset - had created a special area within their building, which was sectioned off to prevent unauthorised access and designed specifically for this type of storage.

Andrews Dehumidification Hire was contacted to help provide the perfect solution. Once the call had been received a full site survey was conducted to advise the ideal solution. Our model FD40 portable dehumidifier, with humidistat and condensate pump was specified due to its automatic and economical operation. The unit was positioned within the storage area, the humidistat enabled automatic trouble free operation and the condensate pump enabled the condensation to be pumped to a convenient drainage point.

Additionally, Andrews Dehumidification Hire set up Tiny Tag humidity and temperature recording devices to provide a print out of temperature and humidity levels over a set period of time. As a result this provided the storage company with a printed proof of the humidity control.

Our customer was very pleased, not only did the company retain the contract for storing x-rays for one of their biggest clients, but a successful result concluded with a request for further projects. Andrews Dehumidification hire have a considerable amount of knowledge on the requirements for any type of storage environments, from normal day to day humidity issues to tailored solutions, we are the number one dehumidifier hire company.



Air flow (max) 420 m<sup>3</sup> per hour  
Control Manual  
Power supply 230/110v 1ph 50Hz  
Run 5.7/11.94 amps  
Nominal extraction duty at 75% 37 litres per 24 hours  
Noise level (max) 53dBA @ 3 metres  
Keep dry area (typical) 940 m<sup>3</sup>  
Weight 48 kg  
Dry out area (typical) 470 m<sup>3</sup>  
Dimension 491 x 510 x 920 mm  
Plug type BS1363 230v BS4343 16A 110v



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