

Case study 514

Andrews aid power station mothballing

As experts in all aspects of dehumidification rental, Andrews Dehumidification regularly provides power stations and refineries with temporary hire solutions. Our unrivalled knowledge of your sector combined with the experience of our engineers means we can handle enquiries on any scale, 24 hours a day. With desiccant dryers ranging from 300m³/h right through to high capacity 6000m³/h units, we guarantee to have the resources necessary to accommodate all industrial processes.

Our commitment to this pledge was exemplified when a power station in the South East approached us during a period of shutdown. Once offline, the site's pipe network and turbines faced exposure to ambient air which could have potentially resulted in unwanted moisture entering the plant's system. In order to protect metal components from corroding, a dehumidification system was urgently required.

Following a thorough assessment of the premises, a technician recommended installing a KT6000 desiccant dehumidifier accompanied by an FV900 ventilation fan. We ducted the KT6000 into the power station's pipework, allowing the collection of any residual moisture while pumping dry air back through the system. The fan was deployed alongside the conduits to assist airflow and these are frequently used in industrial applications where sufficient air circulation is otherwise limited.

This was the most economical response available and helped control relative humidity within an extremely sensitive environment. As such, the customer was able to complete its scheduled maintenance programme and went back online shortly after, without any complications.



Power supply 415 V 3 ph +E 50 Hz Run 72 A
Noise level (max) 94 dBA @ 3 metre
Weight 550 kg
Dimension 1,600 x 1,000 x 1,800 mm
Control Humidistat Option
Plug type Hard wired
Average power consumption 50 kW/hr
Generator size 75 kVA



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