

# Case study 512

## Sweet production line seeks drying

The conditions of a manufacturing plant must be carefully monitored at all times to ensure that the final product is sale-worthy and of the expected quality. When this falls short, it can affect your income streams and wider reputation so it's important to have an efficient climate control system operating continuously on site. At Andrews, we have been supporting production processes for over fifty years and have both the knowledge and resources necessary to reduce relative humidity in line with your industry's requirements.

A well-known confectionery company based in Northamptonshire suffered the consequences of steam being given off from cooking pans. This culminated in excessive condensation and caused interference with the overall preparation due to humidity levels surpassing the norm. They were therefore in desperate need of a hire solution which could function unremittingly without further disrupting the procedure.

Following a site survey, we recommended deploying a total of six FD40 fast dryer dehumidifiers around the problem area. The factory itself was huge but by placing our units around the cooking facilities we managed to bring relative humidity down to the correct working measurement. At the request of our client, technicians also carried out regular maintenance checks on the products to ensure that filters were clean and that leftover water was being taken away as should be the case.

Interestingly, it transpired that there was a direct correlation between the weather outside and the indoor environment. Hot, sunny days were found to exacerbate the problem and so we kept a constant watch on patterns and forecasts. Following installation, the situation improved dramatically to the point where the production line could finally work at full capacity - much to the client's delight.



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



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