

# Case study 703

## Chocolate manufacturer kept operational

A world-renowned chocolate spread producer recently required a temporary cooling solution in their largest production factory in the world. This factory produces 800,000 jars of its famous produce per day – equating to 18,000kg of chocolate spread – as well as 2.4 million bars of chocolate.

An unexpected summer heatwave led the factory's maintenance team to contact Andrews Sykes, with a hired air conditioning arrangement required immediately. Unusually high temperatures had caused the transformer to overheat meaning action needed to be taken quickly to avoid any halts in the production line.

Andrews were contacted on a Friday evening and our team took the needs of the client into consideration to ensure delivery of the necessary equipment the following morning.

Our solution was to propose hiring a series of high-powered ventilation fans in order to circulate cool air around the transformer, thus lowering its temperature and avoiding any further overheating. Each FV900 unit is capable of distributing up to 16,500m<sup>3</sup>/h of air flow, and with numerous deployed around the application, we were able to effectively combat unfavourable conditions.

The equipment remained on hire for 4 weeks and allowed all production to continue as normal without interruption – something the client initially feared might not be possible.



Air flow (max) 16,500m<sup>3</sup>/h  
Power supply 415V versions  
Plug type BS4343 3ph 415V 16A  
Generator size 35kVA  
Noise level (max) 86.6 dBA @ 1m  
Weight 295kg  
Dimensions (mm) 1,230 x 1,170 x 1,500  
Control Manual  
Average power consumption 7.1 kWh



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