

Humidifier hire for Nottingham Hospital

When the estates team for a well-known Nottingham hospital contacted us in search of some temporary humidifier units, our regional engineer was on hand to provide a suitable hire arrangement. The team leader responsible for two wards at the hospital had become concerned by the low level of relative humidity within patient areas, which needed to be addressed immediately.

Scientific research has shown that influenza and norovirus, to name two, survive longer when RH is between 20-30%. In fact, the infectivity of influenza is increased by both low and very high relative humidity – with a minimum infectivity at 50% RH – proving that a controlled moisture content in the air can greatly alter a virus' ability to live and spread.

There is also a proven correlation between low relative humidity and personal health and comfort, with dry air routinely responsible for increasing respiratory problems and affecting the eyes, skin, nose and mouth. When RH is at 40% and below, moist tissues dry out and leave the body more vulnerable to developing infections. The use of a humidifier inside a ward not only reduces the survival rates of viruses and bacteria, but also supports the body's infection resistance.

With patient welfare a pressing concern, it was important that our local expert could visit the site in order to propose a practical humidifier hire package. After assessing the wards and liaising directly with key decision makers at the hospital, it was decided that eight Century Series 4 humidifiers would be located within the two wards requiring our attention.

These units have an average power consumption of just 150W/h, with their cost-effective operability providing critical applications with a near-silent source of humidification to increase the air's moisture content. The client was very complimentary of the service we provided and the effectiveness of our equipment, which raised relative humidity to a desired level throughout the time in which our units were needed.



- Duty Rated** 20% rh. 25°C 1.8 l/h
- Air flow (max)** 500 m³/h
- Power supply** 230 V 1 ph 50 Hz Run 0.65 A
- Noise level** 57 dBA @ 3 metres
- Weight** 11 kg
- Dimensions (L x W x H)** 550 x 345 x 610 mm
- Reservoir capacity** 19.5 litres
- Average power consumption** 150 W/h
- Control** Integral humidistat

