

# World-famous museum seeks humidifiers hire to preserve artefacts

With precious artefacts on public display all year round, it is critical that museums continuously monitor the environment surrounding their exhibits. A controlled indoor climate will ensure the preservation of treasured historical and cultural pieces and this includes maintaining relative humidity within a very specific range.

This universal requirement prompted the estates team of the Louvre Museum in Paris to contact our local expert, with a temporary humidifier hire solution deemed essential. A significant proportion of the artwork contained within the Louvre is made of wood, cotton and paper – all hygroscopic materials that can be severely affected by moisture content in the surrounding air.

Failure to address fluctuating or incorrect levels of relative humidity can cause materials to swell or contract and cause irreversible damage. Additionally, the unavoidable issue of people arriving and departing can cause temperatures and humidity to constantly change. It was therefore critical that any equipment we proposed would keep relative humidity between the widely accepted optimal range of 45-65%.

Having assessed the dimensions of the exhibits requiring attention, our engineer suggested the use of several H60 humidifier units to be situated within the desired areas. With humidification outputs of up to 2.5 litres per hour, these units – which have been specifically designed with museums and art galleries in mind – were the ideal solution for ensuring that moisture content in the air was kept at the required level.

The client was very satisfied with our response to their humidity issue which significantly reduced the likelihood of wooden sculptures cracking, paintings flaking or textiles stretching. Our humidifier hire units remained in position for approximately four months and were very effective in maintaining a stable relative humidity.



- Duty Rated** 30% rh. 21°C 2.5 l/h
- Air flow (max)** 800 m3/h
- Power supply** 230 V 1 ph 50 Hz Run 0.23 A
- Noise level** 29 dBA @ 1 metres
- Weight** 18.8 kg empty / 52.8 kg full
- Dimensions (L x W x H)** 625 x 316 x 720 mm
- Reservoir capacity** 34 litres
- Average power consumption** 53 W/h
- Control** Integral humidistat

