



Calorex takes centre stage

The prized Wurlitzer organ at the State Theatre in Sydney, Australia is hitting all the right notes again thanks to the installation of specialist Calorex dehumidifier.

The iconic organ has been located in a round enclosure below the stage at the heritage listed theatre since 1929 and can be raised and lowered during performances.



Prior to the installation of the Calorex dehumidifier, the high humidity level in the organ pit was steadily destroying the instrument. To safeguard the organ from further damage, Prime Heating Group Pty Ltd – an agent of Calorex’s distributor Australian Climate Agencies – was called to assess the problem and offer a solution.

“Humidity was around 80 to 90 in the organ pit, which also sits very close to the old Sydney Tank Stream,” explains David Powell of Prime Heating Group.

“Since it was installed, the system has outperformed our expectations. The goal was to achieve a gradual decrease to around 55 per cent RH, but we actually achieved 50 per cent humidity the very next day.”

“We opted for a TTR300 unit and fitted a 100mm PVC pipe for moist air intake towards TTR unit and flex 100mm for dry warm air return.”

TTR dehumidifiers are extremely durable and lightweight, the lightest machines within their performance class. They are designed to be universal all-purpose adsorption dehumidifiers, particularly useful in industry and construction, laboratories or areas that are low temperature and require low humidity. This range is fully compliant with Fan Directive ERP2015 and the units are fully adjustable, giving complete user control.

David adds: “Since it was installed, the system has outperformed our expectations. The goal was to achieve a gradual decrease to around 55 per cent RH, but we actually achieved 50 per cent humidity the very next day. Not gradual, but extremely effective!”