



## CASE STUDY

### INDUSTRY: EDUCATION



**CUSTOMER:** Columbia College

**LOCATION:** Columbia, Missouri, USA



**BACKGROUND:** Armstrong International's representative affiliate, Mead O'Brien, visited Columbia College along with a local specifying engineer to determine a solution to the customer's humidification problems in campus science labs.

The site was experiencing fluctuations in relative humidity levels due to having only one Dri-Steam GTS-600 (450lbs/hr.) installed. Because the unit was oversized for application, the swings in humidity were causing the relative humidity to exceed the spec.

**SCOPE OF WORK:** To meet the customer's demand for a larger capacity, Armstrong International supplied two (2) Gas-Fired HumidiClean™ humidifiers at 310lbs/hr. and header the units together to feed the AHU. The GFH-300s provided accuracy and turndown required to remain in spec.

**BENEFITS:** Columbia College recognized the real benefits of supplying two appropriately sized units to accomplish reliable and accurate levels of humidity in the science labs. The customer also has enjoyed the 82% efficiency rating of the GFH-300 as well as the modulated control of steam output. Because of Armstrong's ionic bed technology, both units have required minimal cleaning and maintenance. Since installation, Columbia College has not experienced any issues with both units.



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