Coil Cleaning Improves Air Flow At Hospital

Problem
A hospital in the Midwestern U.S. had never had the facility’s air handling units (AHUs) professionally cleaned and was subsequently experiencing difficulty properly cooling the building. Furthermore, the hospital had seen an increase in energy costs and a decrease in their equipment’s efficiency since the facility’s systems were working harder than necessary due to decreased air flow from the AHUs.

Analysis
Chem-Aqua Services surveyed the site and recommended professional chemical coil cleaning work for the building’s AHUs. There were over 100 units at the facility that were all very dirty. The Chem-Aqua Services Technician shared before/after pictures along with before/after air flow readings from other coil cleaning jobs and detailed the reporting that would be provided as part of the work.

Solution
The customer was impressed with the before/after documentation from other jobs and agreed to the chemical cleaning on four AHUs as a trial. The four units selected for Chem-Aqua Services to clean were surgical and cafeteria units, approximately 48-60 square feet in size, with both hot and chill coils. After the AHUs were cleaned, the increase in air flow ranged from 12-21% higher than prior to cleaning. The improved air flow from the clean coils increased system efficiency and also decreased the facility’s energy costs. The customer was very pleased and immediately arranged to have Chem-Aqua Services clean 30 additional AHUs at the hospital, with the go-ahead to continue cleaning the remaining coils once that work has been completed. Furthermore, the customer recommended Chem-Aqua Services to another major hospital in the area.

The customer was so pleased with the chemical coil cleaning work, and the subsequent increase in air flow, that additional coil cleaning work was immediately scheduled.