Case Study Chem-Aqua® Services

Coil Cleaning Improves Air Flow At Medical Facility

Problem
A medical office building in the Southern U.S. was experiencing air flow problems that were causing increased energy costs. The facility manager had tried to deal with the issue internally and have his own personnel clean the building’s air handling units (AHUs). He quickly encountered setbacks due to lack of manpower. A majority of the units had not been properly cleaned in over 10 years.

Analysis
Chem-Aqua Services surveyed the site and recommended professional steam coil cleaning work for the building’s AHUs. Steam was recommended rather than chemical cleaning as the facility’s layout would easily enable the Chem-Aqua Services team to reach each AHU with the steam generator.

Solution
The customer agreed to the steam cleaning and Chem-Aqua Services performed the work. After the AHUs were cleaned, the increase in air flow ranged from 30-80% higher than prior to cleaning. The improved air flow due to the clean coils significantly decreased the customer’s energy costs. The customer was very pleased and arranged to have Chem-Aqua Services clean four additional locations under his management. Each of these subsequent cleaning jobs also resulted in huge increases in air flow. The customer has around 65 additional locations, including four hospitals, and has asked Chem-Aqua Services to survey more sites due to the wonderful results he has seen so far.

The customer was so pleased with the steam coil cleaning work, and the subsequent increase in air flow, that he scheduled additional surveys and cleanings with Chem-Aqua Services for the 70 locations he manages.