



CASE STUDY

HARVARD MEDICAL SCHOOL

THE CUSTOMER

The Harvard Medical School community, located in the historic Mission Hill neighborhood of Boston, is dedicated to excellence and leadership in medicine, education, research, and clinical care. Since the School was established in 1782, faculty members have improved human health by innovating in their roles as physicians, mentors and scholars. Harvard Longwood is a large campus that encompasses over four million square feet of building environments covering approximately 14 buildings.

PURE-STEAM IS A VALUABLE SERVICE TO ENSURE OPTIMAL IAQ AND HVAC PERFORMANCE FOR IMPROVED BUILDING HEALTH AND ENERGY SAVINGS!



THE ISSUE

Director of Facilities Peter Stroup, PE, oversees all aspects of maintenance and operations, including energy procurement and use for the school's Longwood Campus. Mr. Stroup and his team faced increasing energy costs and aging infrastructure, including HVAC equipment with air flow issues and resulting IAQ concerns. At this point, they turned to Pure Air Control Services* through Kjelgaard Engineering, LLC. Harvard and Kjelgaard Engineering had heard of the PURE-STEAM Coil Cleaning process as a result of being one of the only green certified coil cleaning processes in the U.S.

*Now WTI/Pure Air Control Services



Roofing & Building Maintenance



A service offering of Weatherproofing Technologies, Inc.
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THE SOLUTION

PURE-Steam Coil Cleaning operates at high temperatures and low pressures to safely disinfect and clean air handler units (AHUs). PURE-Steam Coil Cleaning was initiated through the four million square foot Harvard Longwood campus, covering 100 large AHUs during the winter/spring of 2016. All large AHUs were environmentally cleaned over a five month period. Peter Stroup, PE, Director of Facilities, presented at the 2017 NFMT Conference on Double Digit Energy Reduction, a Harvard Medical School Case Study. Mr. Stroup's presentation included the PURE-Steam Coil Cleaning work performed for Harvard, stating...

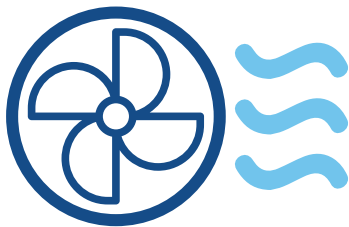
“ We saw dramatic results, as much as 30% change in pressure over the coils and that hadn't been cleaned that well in some time... and very happy with the investment. ”

BENEFITS OF PURE-STEAM COIL CLEANING PROCESS

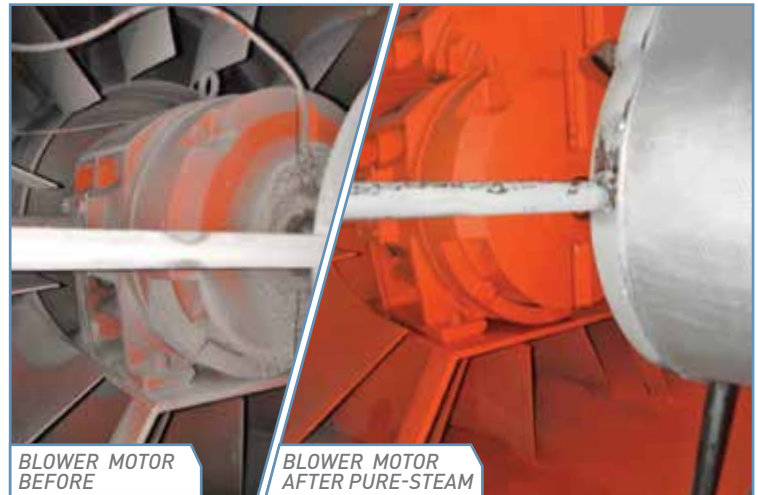
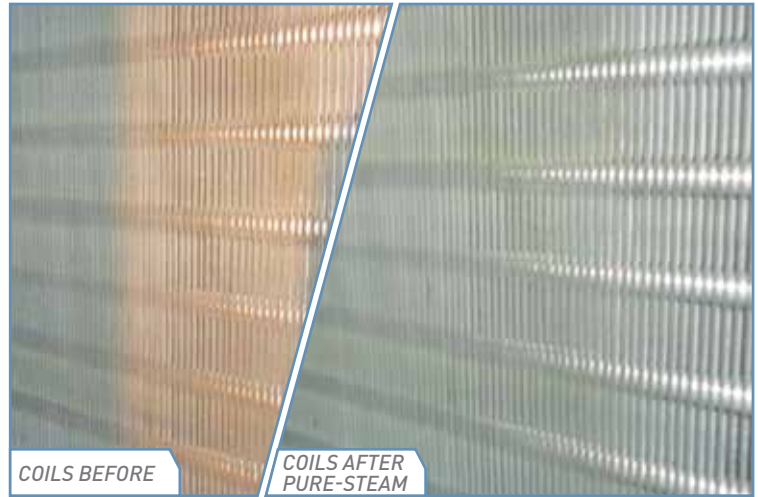
PURE-Steam Coil Cleaning is an eco-friendly process that uses no chemicals. Instead, it utilizes a proprietary (up to) 350° Fahrenheit steam to deeply cleanse the coils.

BENEFITS INCLUDE:

- Sanitizes the Coils, Blower and interior cabinet
- Removes debris from deep within the condenser coils
- Improves air flow and cooling capacity
- Optimizes energy efficiency
- Extends HVAC equipment life



**8 PASCAL
or 30%
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