• Saves Energy
• Improves Indoor Air Quality
• Adds Comfort
• Extends Equipment Life
HVAC Training Lab
Pure Air Control Services Inc. is a licensed mechanical contractor. All of our service techs receive highly specialized practical training in our state-of-the-art HVAC Lab (one of few in the U.S.) in conjunction with classroom curriculum through our IAQ Learning Institute located at our headquarters in Clearwater, FL. Since PURE-Steam and HVAC New Life™ restoration are proprietary processes, it is essential that our crews effectively learn the PURE-Steam procedures techniques and safety precautions before working in the field.

Conventional HVAC Coil Cleaning
- Not a “Green” or Eco-Friendly Process
- Chemicals can Corrode the Interior of Coils
- Chemicals Rinse to the Water System or Roof
- Only Cleans the Surface of the Coils (60 psi)
- Marginally Improves System Performance
- Very Little to no Measurable Energy Savings
- Minimal IAQ Improvements

Pressure washing uses up to 3000 psi

IAQ Benefits of PURE-Steam
- Chemical Free Process
- Disinfects Coils at 280-350° F
- Destroys Bacteria & Fungi
- Eliminates Musty Odors
- Improves Fresh Air Exchange
- Low pressure up to 350 psi

Institutional Benefits of PURE-Steam
- Optimized System Performance
- Estimated Energy Savings of 17-22¢ per foot
- Improved Cooling Capacity
- Reduced Work Orders
- Extended Equipment Life

Here’s how it works

Preparation
Depending on where the AHU is located we choose and deploy the specific equipment required for job. Then, as a licensed mechanical contractor we shut down the unit following all lockout and tag-out procedures. If the AHU is located in a Mechanical Room a containment area is established to prevent steam and moisture from affecting the indoor environment. Next, all electrical components and ducts are masked to keep them dry.

Testing
Pure Air Control Services Inc. performs their own proprietary Coil Cleanliness Verification Test (CCVT). This test is repeated across the span of the coils measuring the Delta P (DP) to determine which zones of the coil are most fouled. This is helpful to report the before state of the coil, as well as letting the tech know which areas of the coil will require the most attention. The data is logged and then cleaning commences.

Cleaning
The entire interior of the AHU is first HEPA vacuumed, then steam cleaned top to bottom. Next, the coils are worked with a precise method that ensures all debris is dislodged until steam eventually comes through to the opposite side. During the PURE-Steam service, water extraction is maintained. After the coil has been thoroughly steamed it’s completely flushed with clean water at 50 gallons a minute (if necessary). Finally, another CCVT is performed to see the results. If an area still show signs of fouling it is reworked until clear.

M&V Reporting
After the job is completed a detailed Measurement & Verification (M&V) Report is provided for each AHU that was cleaned with PURE-Steam. This report not only contains before and after performance data recorded with the CCVT, but also includes a QA checklist of the job specification, a complete photo log, and recommendations for any additional issues that might still need to be addressed. This valuable, proprietary, report is a useful archive to track historical data on the equipment.

For more information or to request a complimentary consultation
Please call the Indoor Air Quality Experts at
1-800-422-7873
or visit PureAirControls.com

HVAC Hygienic Cleaning

PURE-Steam™ HVAC coil cleaning is an innovative method to restore not only the evaporator coils, but the entire interior of an air handling unit (AHU) to near factory specification from both a performance and cleanliness perspective. The PURE-Steam service excels beyond where other conventional and steam methods stop. It is a chemical-free process that uses only water and is the only Green Clean Institute certified HVAC cleaning process in North America.

PURE-Steam is a comprehensive indoor air quality and energy efficiency forward solution. It operates at temperatures up to 350°F to disinfect the coils and AHU, effectively killing bacteria and fungi (mold) to remove allergen triggers and musty odors. PURE-Steam also deeply cleanses at up to 350 psi pushing dust and debris completely through the coil to improve airflow and Delta P (pressure) for real operational savings. The recommended PM is generally performed on an annual or bi-annual basis.

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Institutional Benefits of PURE-Steam
- Optimized System Performance
- Estimated Energy Savings of 17-22¢ per foot
- Improved Cooling Capacity
- Reduced Work Orders
- Extended Equipment Life
PURE-Steam™ is the Natural, Green Certified & Economical Choice for HVAC Air Handling Unit & Coil Cleaning.

Coils Before

Coils After

Blower Fan Before

Blower Fan After

Ask about HVAC New Life™ and find how you can restore aging equipment for 1/10th the cost of new replacement!

HVAC NEW LIFE™

1-800-422-7873
PureAirControls.com