



INDUSTRIAL COOKING

Industry Application Spotlight



Controlling emissions is an important issue for industrial food processing facilities. Finding pollution control solutions that will capture visible cooking emissions and odor in an effective, safe and economical manner is essential. Key considerations include:

- Regulatory compliance
- Controlling emissions and nuisance odors
- Enhanced performance of existing equipment

ACHIEVE REGULATORY COMPLIANCE

As federal and local regulations for air quality become more stringent, food processing facilities are feeling the impact. Whether these regulations come from the EPA, zoning boards, the health department or another authority having jurisdiction, it is increasingly important to control emissions generated during cooking processes. Emissions include particulate matter such as smoke, oil or grease and may also include odor. Identifying effective solutions that will help food processing companies achieve regulatory compliance is critical.

CONTROL EMISSIONS & NUISANCE ODORS

Since food processing facilities are located in both urban and rural areas, uncontrolled cooking emissions can coat facility roofs, cars in proximate parking lots and even neighboring buildings or homes. Associated odors may migrate throughout nearby neighborhoods causing issues with tenants or homeowners. In some cases, municipalities are asking food processors who have been in business at a location for many years to now address and control their emissions in order to support other development projects going on around them.

ENHANCE EXISTING OPERATIONS

Cooking emissions are sometimes controlled through the use of incinerators which are costly systems to purchase, operate (due to natural gas usage) and maintain. By reducing the emissions with an air pollution control device, incinerators can be reduced in size or even eliminated which can save operating costs and extend maintenance intervals all while reducing emissions. There are inherent risks of fire when collecting some cooking emissions so proper collection is essential to keep both workers and facilities safe.



UAS CLEAN AIR SOLUTIONS

As a leading solutions provider within the air pollution control industry, United Air Specialists (UAS) has the products, expertise and experience with cooking applications to meet your specific air pollution control needs. UAS has provided Smog-Hog® system solutions for a wide variety of industrial food processing applications for customers including Evans Food Group as well as for high-profile commercial kitchen applications including the World Trade Center, Rockefeller Center and Yankee Stadium.

PROVEN TECHNOLOGY, OPTIMUM PERFORMANCE

UAS' Smog-Hog electrostatic precipitator (ESP) technology is ideally suited for controlling emission for industrial cooking applications. The ESP process charges particles and strips them from the airstream, capturing even sub-micronic contaminants, and leaves only clean air to be exhausted from the unit. This technology offers high levels of efficiency with low pressure drop for a proven combination of performance with low energy consumption. The ESP collection cells can be cleaned so there is no need for recurring filter replacement purchases.



FLEXIBLE SYSTEM CONFIGURATION FOR SMOKE, GREASE AND ODOR CONTROL

Applications vary greatly based on the process or method of cooking involved. UAS offers configurable systems that can accommodate a wide range of airflows along with customizable options to tackle your most challenging processes. For heavy particulate loading such as wood-fired cooking or smoking applications, multiple passes can be used to achieve higher levels of removal efficiency. For grease or "sticky" particulate, in-place cell washing systems are available



which also extend maintenance intervals. To control odor, UAS offers carbon or potassium permanganate filters. UAS systems are ETL listed and for an additional safety measure, the units can be equipped to work with Ansul fire suppression systems.

To find your local UAS distributor, contact us:

www.uasinc.com
sales@uasinc.com
800-252-4647



a CLARCOR company

Clean air. It's what we do.®