



## CarbonPure Adsorption Systems

### High Control Efficiency

APC Technologies' activated carbon systems can provide 98-99%+ control efficiency for many volatile organic compounds (VOCs), hydrogen sulfide, mercaptans, odors, mercury, Cl<sub>2</sub>, HCl, other acid gases, siloxanes, and other gaseous contaminants.

### Pre-Filter Extends Carbon Life

In cases where fine particulate, oil mist, or aerosol are also present, exhaust gases are first drawn through APC's exclusive Ultra High-Efficiency Filter (UHF®) unit. This filter removes all fine solid- and liquid-phase contaminants from the gas stream, ensuring high removal efficiency and greatly extending the life of the activated carbon bed.

### Solvent Recovery or Destruction

If solvent recovery is desired, the saturated carbon bed is periodically regenerated in situ with steam. After the steam has cleaned the bed, solvents are separated from the condensed steam and recycled back to process. Activated carbon can also be regenerated in situ by hot flue gas, and the concentrated VOCs from the regeneration process are oxidized in a small fume oxidizer.

### Broad Range of Applications

APC's CarbonPure systems provide high-efficiency removal of gas-phase contaminants such as VOCs, hydrogen sulfide, mercaptans, odors, mercury, Cl<sub>2</sub>, HCl, other acid gases, siloxanes, and other gaseous contaminants.

Applications for CarbonPure systems include: asphalt plants, chemicals, coatings, digester gas cleaning, electronics, foods, groundwater stripping, waste processing, laboratory exhausts, landfill gas treatment, lubricants, oil storage tank vent gas control, oil refineries, petrochemicals, pharmaceuticals, plastics, polymers, resins, printing, roofing manufacture, rubber, siloxane removal, wastewater treatment plants, indoor air quality improvement, and more.

### Proven Through Performance

CarbonPure systems have a proven record of reliability and consistent performance across a variety of industries and demanding environments.



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