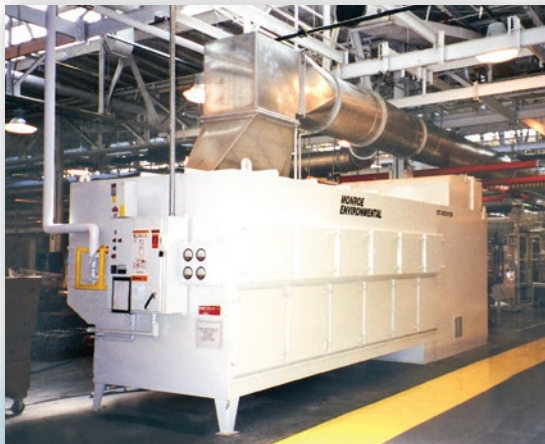




MONROE
ENVIRONMENTAL
Liquid Clarification & Air/Gas Cleaning Systems

AIR POLLUTION CONTROL & GAS TREATMENT

SYSTEMS, SERVICES, & SOLUTIONS



www.mon-env.com

AIR POLLUTION CONTROL SYSTEMS & EQUIPMENT



Monroe Environmental® offers a broad range of air pollution control systems and equipment for eliminating and minimizing a wide spectrum of air pollutants and regulated emissions such as acid gases, particulate matter, fumes, hazardous air pollutants, volatile organic compounds, oil mists, and objectionable odors from virtually all types of emission sources and applications. These systems include both standard, stand-alone systems for more conventional applications and custom-designed, multi-stage systems for specialized, high-temperature, or unique applications.

Monroe's air pollution control systems are engineered, designed, and fabricated to the highest possible standards for meeting or exceeding facility-specific requirements, site conditions, and regulatory standards. Our complete in-house fabrication capabilities and intensive quality control measures serve to ensure that each system is manufactured correctly and as needed for achieving successful, long term, and reliable performance.

Air Pollution Control Systems

Monroe's air pollution control systems typically comprise any or a combination of the following technologies:

- Quench Towers
- Packed Bed Scrubbers
- Venturi Scrubbers and Cyclonic Separators
- Carbon Adsorbers
- Multi-Stage Scrubbing Systems
- Dry Dust Collectors
- Mist Collectors

Monroe's experienced engineers ensure that the air pollution control technologies, components, stages, configurations and orientations, arrangements, materials of construction, and the like are correct and properly designed for each application and the site-specific requirements of each customer on an individual basis.

Auxiliary Equipment, Components, and Devices

In addition to providing air pollution control systems, Monroe offers an array of equipment, components, and devices typically needed for enabling a complete turn-key installation. These include but are not limited to the following:

- Ductwork, dampers, and stacks
- Control and instrumentation systems
- Chemical storage and feed systems
- Blowdown and water treatment systems
- Carbon and filter media
- Pumps, piping, valves, and fittings

Spare/Replacement Part Supply

- Stocked inventory of spare/replacement items; Monroe and others
- On-demand inventories and deliveries
- Expedited emergency replacement deliveries
- And more

SERVICES & SOLUTIONS



Monroe Environmental is an exceptional air pollution control firm, and our excellent reputation and unqualified success are largely due to our integral combination of offerings comprising superior quality air pollution control systems, an encompassing array of services, and in our proven ability to identify optimum solutions to challenging air pollution problems.

Monroe's ability to ensure successful, cost-effective installations with long-term reliable performance is mostly attributable to our full menu of service offerings. Such services range from technical and engineering design to support through startup, commissioning, and post-acceptance. Additional support such as maintenance and repair plans, spare parts and component replacement, and turn-key installation services make Monroe Environmental a valuable partner for your air pollution control project. Our services include but are not limited to the following:

Technical and Engineering Support Services

- Evaluations and troubleshooting of existing systems and problems
- Assessments for new and replacement systems
- Environmental permitting and compliance assistance
- System sizing and general arrangement drawings
- Mechanical, electrical and structural requirements
- PLC programming and HMI interfacing
- Cost estimating and budgeting
- Testing and gas stream analysis
- Air quality impact analysis
- And more

Turn-Key Construction-Related Services

- Construction management and administration oversight
- Startup and commissioning
- Operator training and O&M Manuals
- Performance and compliance testing
- And more

On-Site Services, Maintenance, and Repair

- Annual or as-needed service and preventative maintenance
- Emergency service support
- On-site servicing, adjustment, repairs, and replacements
- Extended warranties
- And more

Piloting and Testing Programs

- Pilot scrubbers and collectors available for rent
- Installation and operation services
- On-site support
- System optimization
- Data and analysis reports



