



MLEE EQUIPMENT RENTAL SYSTEMS

MANUFACTURED GAS PLANT REMEDIATION SYSTEM: MGP-SERIES

The MLEE Manufactured Gas Plant Remediation System (MGP-Series) is a large-scale rental system tailored to treat off-gas at manufactured gas plant (MGP) sites where bioremediation, soil remediation and excavation are being applied. Each MGP-Series system consists of inlet particulate filters, a process blower, vapor phase carbon for off-gas treatment, and an automated control system. Each MGP-Series system is wired and tested before leaving the MLEE manufacturing facility, allowing for a turn-key system to arrive on site.

Some key features that set MLEE apart from other manufacturers of similar systems include: mounting the process equipment and off-gas treatment media in a single enclosure; and implementing a low pressure drop design across each system. Having the entire system fully enclosed within a single container eliminates the number of piping connections required on site while providing the process equipment with shelter from the elements and sound attenuation. Compared to other manufacturer's systems MLEE's low pressure drop design requires less energy for system operation and could save up to \$2000 in monthly electrical costs (based on 15 cents/kWh).



The MGP-Series system is an ideal, cost effective solution for treating off-gas vapors at manufactured gas plant excavation and soil tilling sites.

Process Specifications:		Power Specifications:	
Performance	27,000 CFM at 1" WC Maximum inlet vacuum: 8" WC	Approx Full Load Amps:	115 A at 460V/3P Power
Approx. Weight	20,000 lbs (excluding carbon media)	Service Required:	150 A at 460V/3P Power
Carbon Capacity	Standard Capacity: 16,000 lbs Maximum Capacity: 32,000 lbs	System Approvals:	UL Panel Approval MET System Approval
Approx. Dimensions	8'W x 40'L x 9'6"H (excluding stack height)	Area Classification of Process Equipment:	Class 1 Division 2
Acceptable Ambient Operating Temperatures	-22°F to 104°F (-30°C to 40°C)	Area Classification of Control Panel:	General Purpose, Outdoor

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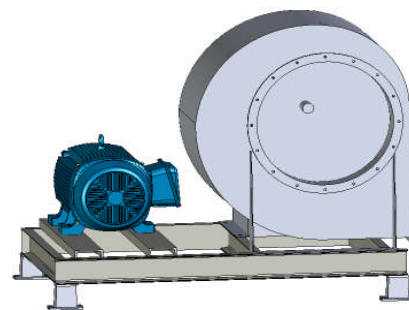
PROCESS BLOWER MODULE:

This module consists of a centrifugal blower with a two-stage inlet filter to protect the blower and maximize off-gas treatment efficiency. The blower does not require any separate connections to be made on site, as it arrives pre-piped to the filtration unit. This module includes the following standard components:

- 75 HP, 460V/3P motor
- 20,000 CFM flow at 16" water column pressure
- Minimal pressure drop across system

Available options include:

- Transmitters for monitoring purposes
- Multiple units for larger flow rates
- Variable Frequency Drive (VFD)



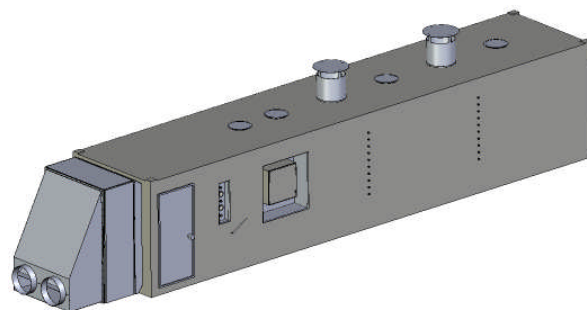
ENCLOSURE AND CARBON FILTRATION MODULE:

Each MGP-Series system is completely enclosed in a building with two separate rooms. The first room is used to house the process blower equipment, while the second room contains the vapor phase carbon media for off-gas treatment. The system enclosure is designed with the following standard features:

- Maximum carbon capacity: 32,000 lbs
- Retractable discharge stacks (no rigging required)
- Equipment wired and tested before shipping
- Roof top access hatches
- Carbon bed sample ports

Available options include:

- Hoses for tent source capture
- Sound attenuating insulation on interior walls



CONTROL SYSTEM MODULE:

The control system is mounted to the system enclosure exterior and is pre-wired and tested before shipping. This allows for a turn-key system to arrive on site. Some basic features of the control system include:

- NEMA 4 panel enclosure and main disconnect
- UL approval

Available options include:

- Generator for power supply at remote sites
- Web-based remote telemetry packages

