

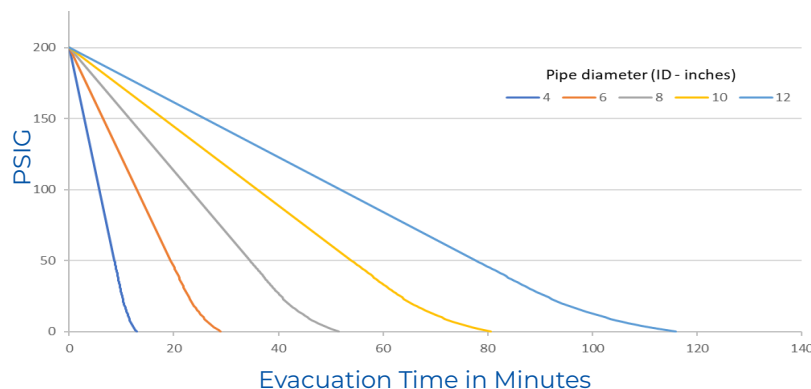


TECHNICAL SPECIFICATIONS

The GoVAC™ FLEX is a self-contained natural gas recovery system powered by natural gas. Operators can use this system to evacuate gas from a pipeline and transfer that gas into an adjoining pipeline, or compress the gas up to 3600 psig and put into a tube trailer.



Expected Evacuation Times With Varying Pipe Diameters
1000 Feet of Pipe



Power Sources

In normal operations, an onboard fuel tank is filled by a portion of the natural gas being evacuated. This tank is used as the fuel source for the engine and at startup. External ports are also provided for both LPG and CNG which could provide fuel from an adjacent tank or tube trailer. The fuel to be consumed is selected from the menu on the user panel.

- No outside fuel or power required, fully self-sustaining.
- Plumbed for propane fuel.
- Plumbed for external CNG supply.

Remote Monitoring/Reporting

- Full access by Onboard Dynamics professionals to remotely monitor system performance and troubleshoot issues.
- Option available for customer access to remotely monitor system operation.
- Utilizes standard cellular networks.
- Temperature and pressure sensors, electronic valves, and flow meters are installed throughout the system to enable automatic control of operation, to facilitate remote monitoring capabilities and to provide data collection for reporting purposes.

Temperature and Elevation Criteria

- Operating temperature range
-40° C to 45° C (-40° F to 113° F).
- Optional cold weather package for temperatures
-20° C (-4 °F) and below.
- Operation up to 12,000' in elevation.
 - System throughput could be potentially reduced at higher elevations based on project-specific parameters.

Connection Specifications

- Suction –
 - The GoVAC FLEX can accept up to 1250 psig inlet. Higher pressures can be accommodated via an accessory regulator (not included in the standard package).
 - 1 ½ NPT connection directly on system.
- Discharge –
 - Pressures up to 3600 psi
 - 1/2" Compression fitting directly on system.



Onboard Dynamics

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Site Requirements

- See NFPA requirements associated with individual use case.
- The system measures:
 - Length: 190" (15' 10")
 - Width: 94" (7' 10") including wheels and fenders
 - Height
 - 97" (8' 1") to top of exhaust vent

Tow Vehicle Requirements

- GVW less than 5,800 lbs.
- Electric brakes, standard 7 pin flat blade connector.
- Can be towed by a standard ½ ton pickup.

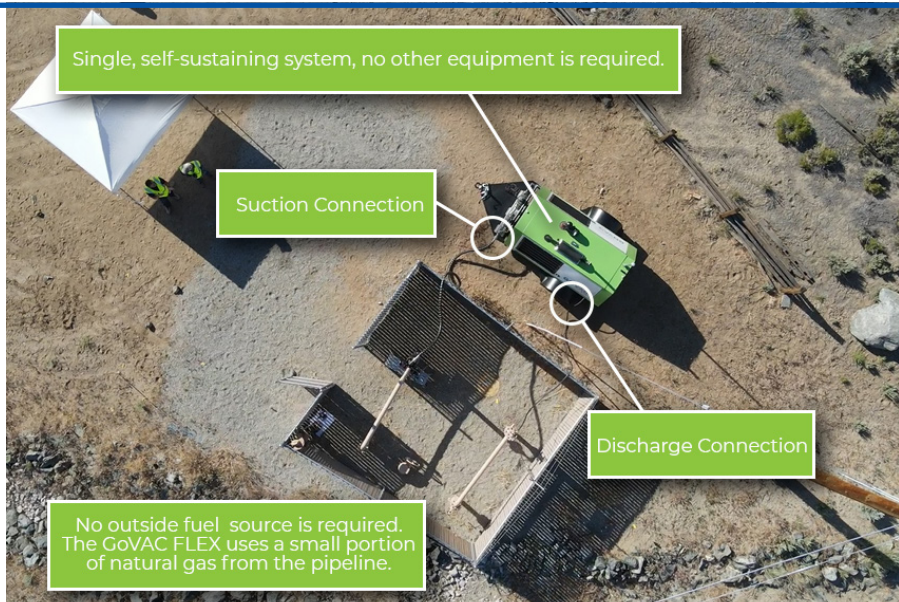
Routine Maintenance

General Requirements

- Standard engine maintenance with commercial off the shelf parts.
- Scheduled compressor maintenance (valves and piston seals available from Onboard Dynamics).
- Weekly maintenance and safety checks (fluids, filters, etc.).
- Standardized safety and maintenance checklists prior to use.

Available Maintenance Services

- Services engagements – maintenance provided by technicians qualified by Onboard Dynamics
- Lease engagements – maintenance provided by technicians qualified by Onboard Dynamics.
- Operator-owned GoVAC –
 - Maintenance packages available from Onboard Dynamics.
 - Self-support option available with training package from Onboard Dynamics.



Required Operator Training (if not operated by Onboard Dynamics)

- Operators: Training to perform standard operational procedures, equipment inspections, and handling of basic faults requires 3 hours of training.
- Technicians: Training for repair and maintenance requires 3 full days of hands-on training, offered either at the customer site or in Bend, Oregon.



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