

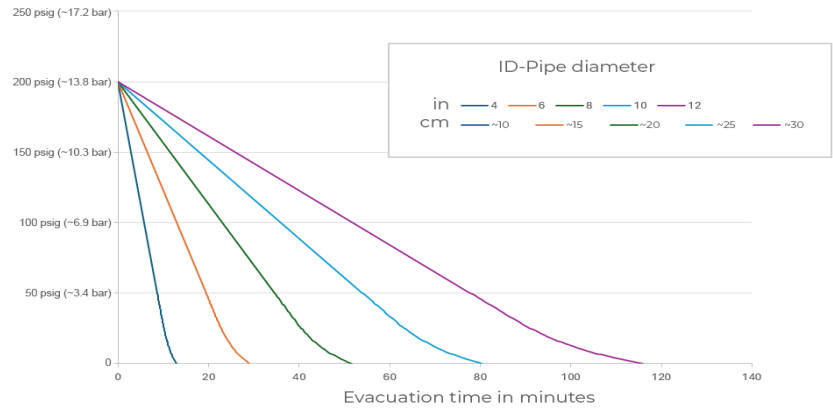


SYSTEM TECHNICAL SPECIFICATIONS

The GoVAC® FLEX system gives natural gas operators the ability to adopt best practices for performing natural gas capture and recovery during pipeline maintenance and other applications. In addition, the system can be used for natural gas vehicle refueling, station backup and filling tube trailers.



Expected evacuation times with varying pipe diameters
1,000ft (304.8m) of pipe



Power Sources

In normal operations, the GoVAC® FLEX system is powered by a portion of the natural gas being evacuated. 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 as an optional fuel source
- » Plumbed for external CNG supply

Remote Monitoring

Full access by Onboard Dynamics professionals to remotely monitor system performance

- » Option available for customer access to remotely monitor system operation
- » Utilizes standard cellular networks



Automated Controls and Data Capture

- » Temperature and pressure sensors, electronic valves, and flow meters throughout the system for safe control and data collection
- » Intuitive control system provides operators with validated environmental reports and operational metrics

Temperature and Elevation Criteria

- » Operating temperature range
-29°C to 45°C (-20°F to 113°F)
- » Optional cold weather package for temperatures down to -40°C (-40°F)

Connection Specifications

- » **Suction –**
 - » The GoVAC® FLEX system can accept up to 1250 psig (~86 bar) inlet. Higher pressures can be accommodated via an accessory regulator (not included in the standard package)
 - » 1 ½" (3.81 cm) NPT connection directly on system
- » **Discharge –**
 - » Pressures up to 3600 psig (~248 bar)
 - » 1/2" (1.27cm) compression fitting directly on system

Onboard Dynamics

(541) 550-3632
info@onboarddynamics.com
<https://www.onboarddynamics.com>





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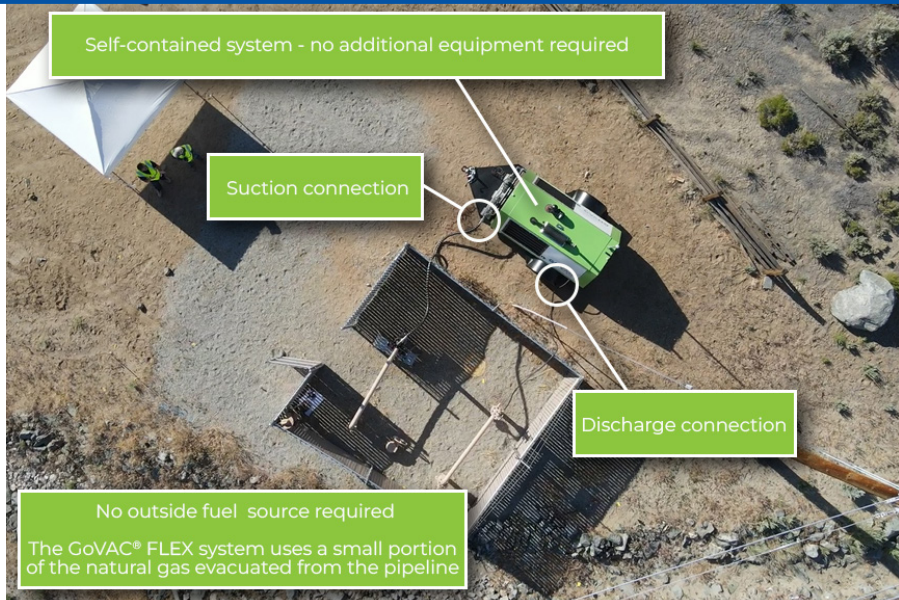


Site Requirements

- » Compliant to operate in hazardous areas
- » The system measures:
 - » Length: 15' 10" (~4.8m)
 - » Width: 7' 10" (~2.2m) including wheels and fenders
 - » Height: 8' 1" (~2.5m) to top of exhaust vent

Tow Vehicle Requirements

- » GVW less than 5600 lbs (2630 kg)
- » Electric brakes, standard 7-pin flat blade connector
- » Towable by a standard pickup



Routine Maintenance

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

Available Maintenance Services

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

Training

- » **Operators:** Training to perform standard operational procedures, equipment inspections, and handling of basic faults
- » **Technicians:** Training for repair and maintenance offered either at the customer site or in Bend, Oregon



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