



**GPL**  
ODORIZERS  
planet-friendly solutions  
that just make scents!



# GPL 10000

**Superior High-Volume Odorization for Transmission Systems**

**THE FUTURE OF ODORIZATION NOW**

*Patented Technology for High-Pressure Applications*



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## ENGINEERED FOR HIGH-PRESSURE TRANSMISSION SYSTEMS

### GPL 10000 NATURAL GAS ODORIZER

The GPL 10000 delivers precision odorization for demanding high-pressure, high-volume applications at transmission companies and large city gate stations. This flagship odorizer maintains continuous odorant injection proportional to the gas flow rate across wide operating ranges.

### ZERO EMISSIONS, ZERO COMPROMISE

Unlike conventional systems, the GPL 10000 operates with a patented ventless design and sealed-loop system that eliminates gas and odorant discharge into the atmosphere—making it the industry's first zero-emission odorizer for high-volume applications.

### THE GPL STANDARD OF EXCELLENCE:

- Zero-emission design
- Odor-free operation & maintenance
- Streamlined operation & maintenance
- Advanced technology
- Reliable, safe & precise
- 24/7 technical support

### SMART CONTROL, SIMPLE OPERATION

The industry-leading PLC features a 7-inch touchscreen interface, providing seamless SCADA integration through Modbus compatibility. Built-in reporting tools streamline audit trails and compliance documentation, making it easier to maintain accurate records.

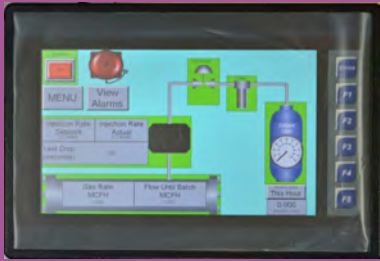
### PROACTIVE MONITORING

Real-time alerts via wireless modem keep operators informed through smartphones and computers, enabling quick response before issues impact operations.

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# ADVANCED PERFORMANCE MADE SIMPLE



## GPL 10000 FEATURES & BENEFITS

### ENVIRONMENTAL LEADERSHIP

- **Zero-emission technology** eliminates gas and odorant discharge
- **Sealed-loop design** ensures odor-free operation & maintenance
- **No pipeline gas actuation** conserves resources and prevents false leak reports

### PRECISION ODORIZATION

- **Continuous odorant injection** synchronized with gas flow
- **Superior 500:1 turndown ratio** maintains accuracy from 0.2 to 10,000 MSCFH
- **Prevents under- and over-odorization** across all flow conditions

### SIMPLIFIED OPERATION

- **Dual-stroke electric pump** for continuous injection
- **Hot-swap modular design** with few moving parts
- **Minimal maintenance** reduces operational costs

### INTELLIGENT MONITORING

- **Industry-leading PLC** with 7-inch touchscreen
- **Modbus compatibility** for SCADA integration
- **Wireless connectivity** with instant mobile alerts
- **Built-in data storage** and integrated software platform

### CUSTOMIZABLE CONFIGURATIONS

- **Safety Classifications:** Class I Division 2, Groups C and D (standard)
- **Installation Options:** Turnkey packages
- **Optional Equipment:** Thermoelectric generator, heater assembly, odorant pressure control

## GPL ODORIZERS

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# GPL 10000 TECHNICAL SPECIFICATIONS

## PERFORMANCE SPECIFICATIONS

- **Gas Pipeline Pressure:** Up to 1480 PSI (102 Bar)
- **Odorant Injection Range (Continuous):** 100 to 10000 MSCFH (at 0.5 lb./MMSCFH)
- **Odorant Injection Range (Batch):** 20 - 100 MSCFH (at 0.5 lb./MMSCFH)
- **Turndown Ratio:** 500:1
- **Operating Temperature:** 0 to 140°F (-18 to 60°C)
- **Optional Heater:** Available for below 0°F (-18°C) operation

## PHYSICAL SPECIFICATIONS

- **Weight:** 94 lb. (43 kg)
- **Overall Dimensions:** 32.5"H x 25.625"W x 10.875"D (82.55 x 65.09 x 27.62 cm)
- **Enclosure:** 304 stainless steel construction
- **Hazardous Area Classification:** Class I Div 2, Groups C and D

## ELECTRICAL SPECIFICATIONS

- **Power (Typical):** 24 VDC; 0.036 HP; 27.05 W
- **Power (Maximum):** 24 VDC; 0.193 HP; 124.8 W
- **Optional:** AC power configuration available

## SYSTEM SPECIFICATIONS

- **Odorant Blanket Pressure:** 20 PSI (1 to 2 Bar)
- **Data Logging:** Hourly archives with audit trail; FTP data retrieval; internal micro SD storage
- **User Interface:** 320x240 LCD Color Graphics Display with Touch Screen
- **Communication:** IP Remote Communication capabilities

## CONNECTION SPECIFICATIONS

- **Myers Hub:** (2) 3/4 in NPT; (1) 1/2 in NPT
- **Odorant Connections:** 1/4 in compression fittings (inlet, outlet, return)

Complete turnkey GPL 10000 system with integrated odorant tank, containment, and weather protection on mobile skid with extension platform.



**IMPORTANT:** The end user assumes responsibility for analyzing, testing, and selecting products and materials appropriate for their specific applications. Proper installation according to manufacturer guidelines and adherence to maintenance recommendations are essential, and the end user must ensure compliance with both. Incorrect product selection, improper installation, or misuse may result in personal injury or property damage and will void the warranty.





## SETTING THE ZERO-EMISSION STANDARD

### PIONEERING ENVIRONMENTAL RESPONSIBILITY

GPL Odorizers leads the industry in emissions-free gas odorization technology. Built on over 20 years of proven engineering principles, the GPL 10000 features a sealed-loop design that eliminates gas and odorant discharge, ensuring odor-free operation and maintenance. Though powered by advanced technology, the system remains straightforward to operate and maintain while handling the most demanding applications.

### EXPERT SUPPORT AVAILABLE 24/7

When you call GPL Odorizers' technical support line, you'll speak directly with an experienced technician or engineer—never a help desk or answering service. Our team of professionals provides knowledgeable, friendly assistance focused on resolving your concerns quickly and effectively.

**LincEnergy**Systems  
making a measurable difference

### AUTHORIZED DISTRIBUTION PARTNER

Linc Energy Systems serves as GPL Odorizers' primary distributor, certified equipment trainer, and authorized service provider. Their comprehensive 1-Source Odorization Program delivers complete turnkey solutions that streamline project management and minimize client oversight. The program encompasses:

- Planning & Engineering
- Equipment Acquisition
- Operations Support
- Maintenance Services
- System Decommissioning
- Equipment Disposal

### LINC ENERGY SYSTEMS

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# GPL MODEL COMPARISON

## Advanced Odorization

GPL Odorizers Models	GPL 750	GPL 5000	GPL 510	GPL 10000
 Appropriate Flow Conditions	Low, intermittent, & no flow	low & high flow, medium pressure	High-pressure, low and medium flow	High-pressure, high flow
 Gases	Natural gas, RNG, biogas	Natural gas, RNG, biogas, propane (LP)	Natural gas, RNG, biogas, propane (LP)	Natural gas
 Applications	Municipalities, small city gate stations	Municipalities, small to large city gate stations*	City gate stations, transmission lines, municipalities, RNG*	Large city gate stations, transmission lines
 Odorant Injection Type	Batch	Batch	Batch or continuous	Continuous
 Actuated By	Differential Pressure	Differential Pressure	Electric-powered bellows pump	Electric-powered dual bellows pump
 Zero Emissions				
 Odor Free Operation and Maintenance				
 Gas Pipeline Pressure	1 to 225 PSI	1 to 400 PSI	Up to 1480 PSI	Up to 1480 PSI
 Odorant Injection Min - Max Flow Rate (MSCFH) [ <small>@0.5 lbs./MMSCFH</small> ]	750 (std); 1000 (HC model)	0-21,366.67	0.2 to 5000	0.2 to 10000
 Turndown Ratio	180,000:1	512:1	25,000:1	50,000:1
 Operating Temp Range	0 to 120°F (-18 to 49°C)	0 to 120°F (-18 to 49°C)	0 to 140°F (-18 to 60°C)	0 to 140°F (-18 to 60°C)
 Horner Controller 7" color touchscreen				
 Tank Sizes	60, 120, 250 gal	60, 120, 250, 500, 1000 gal	60, 120, 250, 500, 1000 gal	60, 120, 250, 500, 1000 gal
 Hazardous Area Class	CL I Div 2 Groups C & D CL I Div 1 (optional)	CL I Div 2 Groups C & D CL I Div 1 (optional)	CL I Div 2 Groups C & D	CL I Div 2 Groups C & D

# GPL ODORIZERS

## Design Configuration and System Types

### Design Configuration:

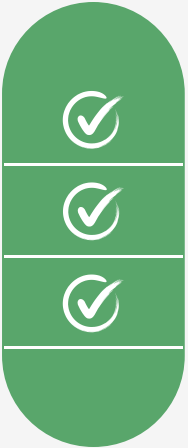
- Odorizer only
- With tank and containment skid
- With skid extension

GPL 750

GPL 5000

GPL 510

GPL 10000



GPL 750

GPL 5000

GPL 510

GPL 10000

### Complete System Types:

- Permanent
- Temporary or pickling
- Portable system (easy to move)
- Turnkey system (movable)

