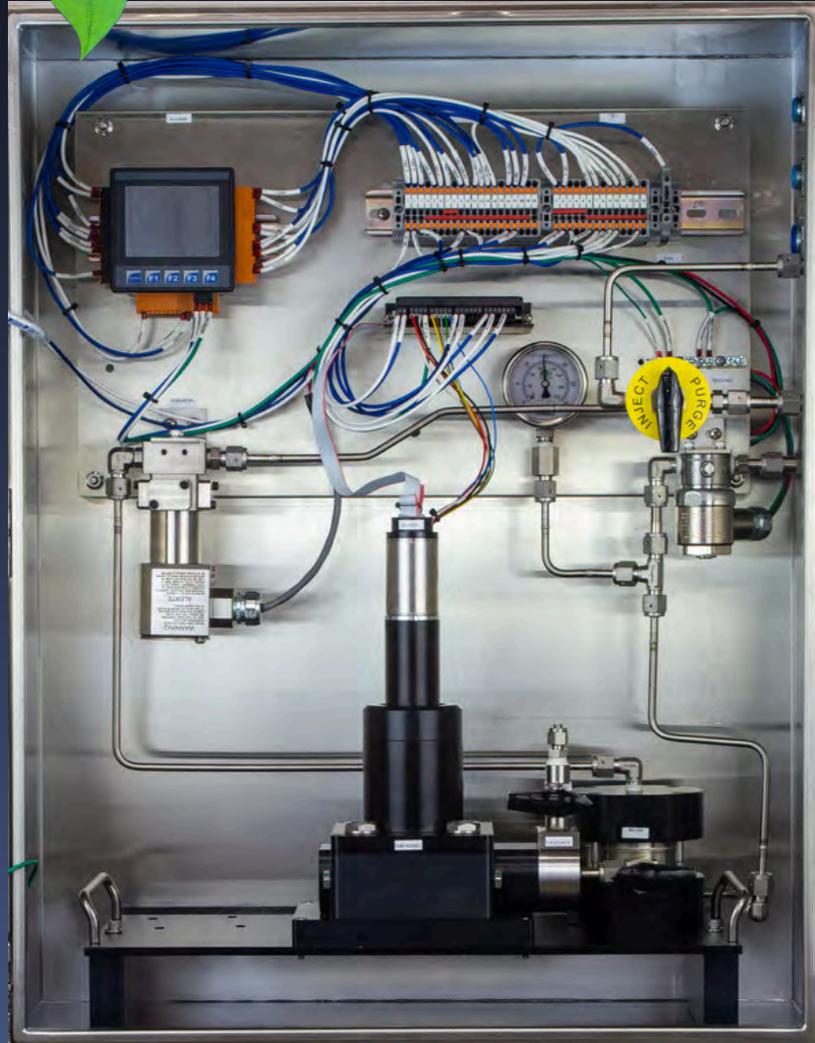


GPL

ODORIZERS

planet-friendly solutions
that just make scents!



GPL 510 ODORIZER

High-Pressure Odorization for
Low- and Medium-Flow Applications

REVOLUTIONIZE YOUR GAS ODORIZATION PROCESS

SETTING THE INDUSTRY STANDARD IN ODORIZATION



GPL 510 NATURAL GAS ODORIZER

The GPL 510 is an advanced odorizer ideal for high-pressure natural gas and post-compressor RNG odorization in low—and medium-flow applications. It utilizes proprietary technology and offers significant savings versus larger units, including the GPL 10000, without compromising high rangeability, delivering extraordinary high- and low-flow accuracy.

ZERO EMISSIONS, ZERO ODOR

Unlike other traditional systems, the GPL 510 operates using an electric-powered bellows pump instead of pipeline gas - eliminating gas waste and emissions. Its innovative sealed-loop design prevents both gas and odorant discharge, ensuring odor-free operation and maintenance while protecting the environment.



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 system features an industry-leading PLC with a 7-inch touchscreen interface that simplifies monitoring and control. Modbus compatibility enables seamless SCADA integration while built-in reporting tools streamline audit trails and compliance documentation. A Spanish-language interface is available.

PROACTIVE MONITORING

Real-time alerts delivered via wireless modem or Modbus keep operators informed through smartphones and computers, enabling quick response to potential issues before they impact operations.

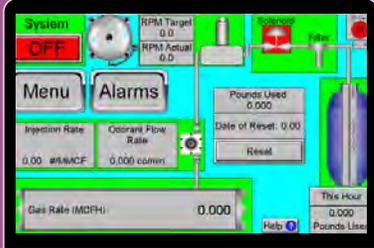
VERSATILE APPLICATIONS

While optimized for low- to medium-flow and high-pressure natural gas operations, the GPL 510 adapts perfectly to post-compressor RNG applications. Its capabilities include large city gate stations, transmission lines, municipalities, and small city gate stations.



ADVANCED PERFORMANCE MADE SIMPLE

GPL 510 FEATURES & BENEFITS



ENVIRONMENTAL LEADERSHIP

- Zero-emission technology eliminates gas and odorant discharge
- Sealed-loop design ensures odor-free operation & maintenance
- Prevents false leak reports through controlled containment
- Bellow pump actuation conserves pipeline gas

PRECISION ODORIZATION TECHNOLOGY

- Exact odorant injection synchronized with gas flow
- Prevents both under and over-odorization scenarios
- Exceptional 25,000:1 turndown ratio
- Maintains accuracy across a wide range of flow conditions

SIMPLIFIED OPERATION

- Clean operation eliminates the maintenance of odorous pneumatic pumps
- Few moving parts design ensures reliable, long-term performance
- User-friendly interface reduces training time
- Minimal maintenance requirements

INTELLIGENT MONITORING

- Horner PLC system with 7-inch color touchscreen
- Built-in data storage for compliance reporting
- Modbus compatibility for SCADA integration
- Optional Spanish language interface
- Wireless connectivity for remote monitoring
- Instant alerts to mobile devices and computers
- Integrated software platform requires no additional programs

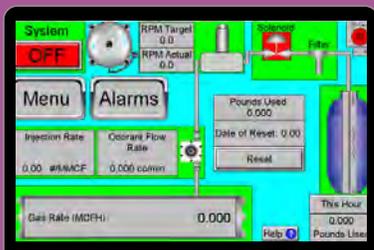
CUSTOMIZABLE CONFIGURATIONS

Safety Classifications

- Class I Division 2 hazardous location rating (Groups C and D)
- Optional heating system
- GPL 100 thermal mass flow capability
- Thermoelectric generator integration

Installation Options

- Standalone odorizer unit
- Tank integration (60-1000 gallon capacity)
- Complete turnkey system on moveable skid



GPL 510 SPECIFICATION SHEET



Weight

85 lb. (38.5 kg)

Power

Typical: 2 amps DC w/ wireless modem

Optional: 3 amps is typical w/ heated display and wireless modem

Optional: TEG

Gas Pipeline Pressure

Up to 1480 psi (102 bar)

Odorant Blanket Pressure

20 to 25 psi (1.5 bar)

Data Logging

Hourly archives with audit trail;

FTP data retrieval; internal micro SD storage

Enclosures

304 stainless steel

Hazardous Area Classification

Class II Div 2, Groups C and D

Dimensions

32 1/2" (H) x 25 5/8" (W) x 10 7/8" (D);

82.55 cm x 65.09 cm x 27.62 cm

Odorant Injection Rate, Batch

0.2 to 5000 MSCFH [at an injection rate of 0.5 lb./MMSCFH]

Connections

Myers hub: (2) 3/4 in NPT; (1) 1/2 in NPT

Odorant outlet, odorant return, odorant inlet: 1/4 in comp

Operating Temperature Range

0 to 140° F (-18 to 60°C)

Optional: heater assembly available for below 0° F (-18°C)

User Interface Options:

- 320x240 LCD color graphics display with touchscreen
- IP remote communication, WebMI

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 20+ years of proven differential pressure principles, our systems feature a sealed-loop design that eliminates gas and odorant discharge while ensuring odor-free operation and maintenance. Though powered by advanced technology, our systems remain 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.

LincEnergySystems
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

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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) [@0.5 lbs./MMSCFH]	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	'500:1
 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
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✗	✗
✓	✓	✓	✓

Complete System Types:

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

GPL 750	GPL 5000	GPL 510	GPL 10000
✓	✓	✓	✓
✓	✓	✓	✓
✓	✗	✗	✗
✓	✓	✓	✓