NJEX® Odorant Injection System

Models 8300 and 8302

NJEX 8300 and 8302 odorant injection systems inject precise amounts of liquid odorant into cubic feet or meters of gas that flows down a pipeline to ensure detectability. Designed for high-volume applications, these odorizers provide proportionalto-flow odorant injection, onboard metering of the odorant injected, system monitoring and alarm notification. Additionally the system will document and verify the performance of each system component, parameter changes, alarms and injection rates. Available in a single or dual-unit configuration, the systems are capable of accurately injecting up to 257 liters/day (68 gallons/day).

Features and Benefits

- Patented, pneumatically-actuated, positive-displacement reciprocating plunger pump
- Teflon diaphragm isolates all dynamic seals from the odorant
- 257 liters/day (68 gallons/day) maximum odorant output
- Versatile, electronic controller for proportional-to-flow or time-based operation
- Real-time system monitoring and alarm notifications
- Remote communication via ModBus or Sentry4 Software
- Intrinsically safe electronics
- Single or Dual Configuration to meet application requirements
- Weatherproof enclosure for protection from the elements

Specifications

Maximum odorant output	257 liters/day (68 gallons/day)
Maximum operating pressure	99.28 bar (1,440 psig)
Operating temperature range	17°C to 60°C (0°F to 140°F) ¹
Power supply	
Standard	SPS-12 solar panel
Optional	LPS 120/240 volt, 50/60 Hz AC charger
Battery reserve	Approximately 30 days
Gas flow rate input signal	1-5 VDC, 4-20 mA or pulse

¹At temperatures below 0°C (32°F) conditioning of the actuation gas supply may be required.





System Flow Schematic

