

OdrPRO™-DOSA

ODORANT INJECTION

Smarter Odorant Injection. Reliable Performance.

Advanced Odorant Injection with Emerson's Dosaodor Technology

The OdrPRO™-DOSA system, powered by Emerson's Dosaodor technology, delivers precise, low-maintenance odorant injection—offering a modern alternative to traditional sweep and liquid injection systems.

With solenoid valve technology and a wick-based distribution system, OdrPRO™-DOSA ensures accurate, consistent odorant levels even during variable flow conditions. Its small, frequent injections minimize waste and optimize safety.

Key Benefits

- Reliable Performance across seasonal flow fluctuations—from low summer to high winter demand
- Redundant solenoid valves for built-in reliability and precise dosing
- Remote access for easier operation and monitoring
- Low maintenance mechanical design with no complex components
- Consistent odorant delivery reduces nuisance alarms and enhances system safety
- Whether preventing excessive odorant or ensuring enough for safety in the event of a downstream leak, OdrPRO™-DOSA delivers the accuracy and peace of mind operators demand



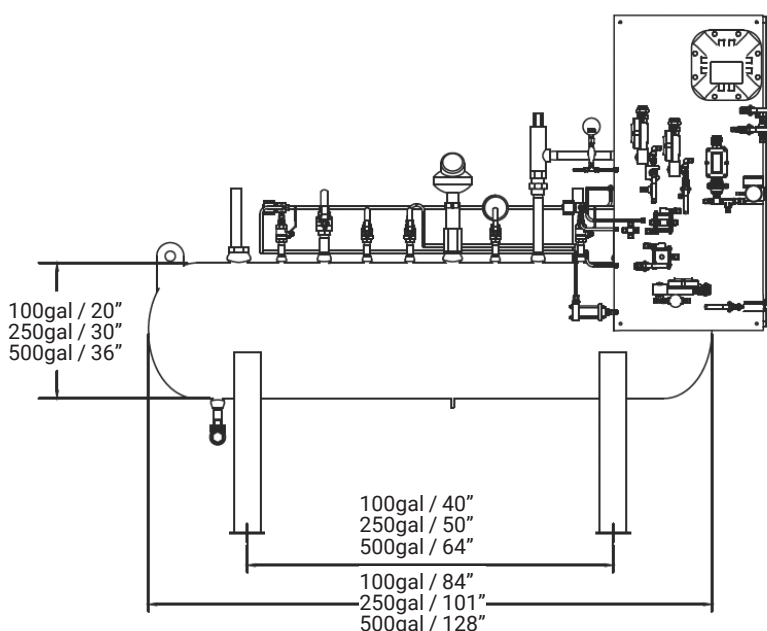
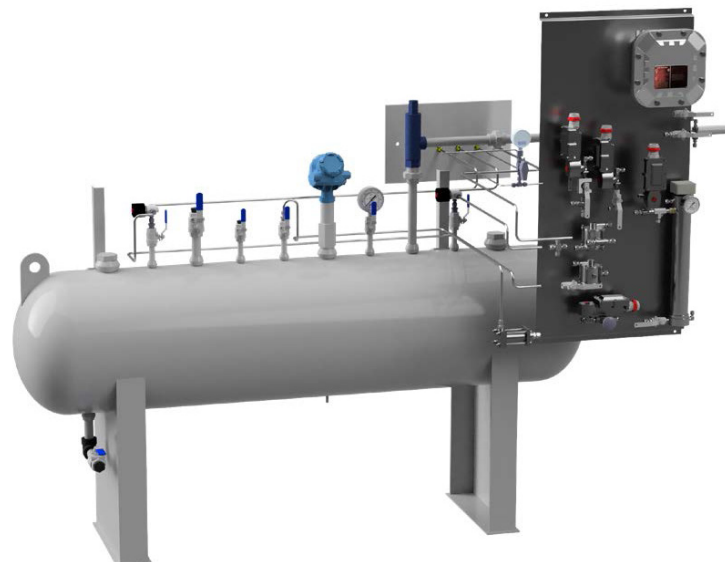
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- ✓ Extremely low maintenance cost
- ✓ Uniform odorant distribution
- ✓ Automatic calibration of injection system
- ✓ High turn-down ratio
- ✓ Environmentally friendly (no venting)
- ✓ Reduced installation costs
- ✓ Standard and scalable hardware platform
- ✓ Variety of redundancy and backup options

Application

A constant differential pressure is used to push odorant from a calibrated cylinder through a set of redundant fixed orifice solenoid valves and finally injected into the downstream pipeline through a slow dispersion wick assembly.

The ROC809 automated controller proportionally injects odorant relative to the mainline gas flow. The injector valve pulse time and time between pulses provide 2 degrees of freedom the system automatically adjusts providing for a high turndown ratio. The system then auto calibrates itself based on the calibrated cylinder readings to ensure the user entered concentration setpoint is maintained.



Vessel Dimensions

Technical Specifications

Environment	-10° to 60°C (low temp option down to -40°C)
Maximum Injection Pressure	1440 psig (100 bar)
Flow Rate - Average	Up to 500,000 SCFH
Flow Rate - Peak	2 MMSCFFH+
Vessel Sizes	100gal, 250gal, 500gal (custom sizes available)
Area Classification - Electrical Control Panel	Class 1 Division 2, Groups C&D, T3
Area Classification - Skid	Class 1 Division 1, Groups C&D, T3
Power Requirements	120 VAC 50/60 Hz
Mechanical Connections	3/8 in./9.5mm OD tube fitting and 1/4 in. in tube fittings