SPARTAN CONTROLS

Auto Bypass Odorizer

Odorant Injection

No more manually adjusting the sweep system.

Accurately adding odorant to natural gas is a critical process in a safe distribution system. Unfortunately, injection systems are typically cost and maintenance prohibitive for smaller applications.

For these lower flow rates, industry has relied on bypass or sweep odorizers. They are simple to operate with minimal maintenance requirements, but significant operations costs and performance limitations. As typical systems don't automatically adjust to varying flow rates and other factors, the odorant concentrations are often inaccurate. This leads to frequent visits to adjust a manual valve in hopes of closer concentrations.

The Automated Bypass Odorizer solves this and other challenges and applies to most applications that have or would typically use a bypass odorizer.

- Automatic adjustment of odorization based on flow rate – no external meter required
- Simple operation based on familiar principles
- Minimal and simple maintenance
- Remote tank level visibility
- Injection data and alarm history
- Passive bypass mode on power failure
- Can be retrofitted or installed as a new package
- Able to operate on solar

Technical Specifications

Environment	-40 to 54°C
Pressure Rating	150 psig (options available up to 1440 Psig)
Flow Rate	Up to 100,000 SCFH
Dimensions – Control Panel	24"H x 20"W x 11"D
Dimensions – Odorant Skid	33"L x 16"W x 28"H
Area Classification – Panel	Class 1 Division 2, Groups C&D, T3
Area Classification – Skid	Class 1 Division 1, Groups C&D, T3
Mechanical Connections	3/8 in. / 9.5 mm OD Tube fitting (single ferrule)
Power Requirements	24VDC, solar package available