



# Z9000

## Optical Odorization System

*Accurate odorization at all flow rates*



**Z9000 OPTICAL ODORIZATION SYSTEM**

### Features

- Only two moving parts exposed to odorant, keeping maintenance and operation simple
- Each drop is counted as it falls, allowing precise control of the process
- No exhaust gas, no smell, and no noise keeps the neighbors happy

### Description

The Z9000 is a feature-rich, complete odorization package that lets you avoid the operational and functional complexities associated with other odorizers or the odorization process. Every action is intuitive and predictable. The Z9000 is a proven system, working reliably in some of the most sensitive areas imaginable, including major cities that experience blizzard conditions year after year! Because of the communication features, remote locations are also accommodated. With only two moving parts exposed to odorant, virtually everything can be taken care of remotely.

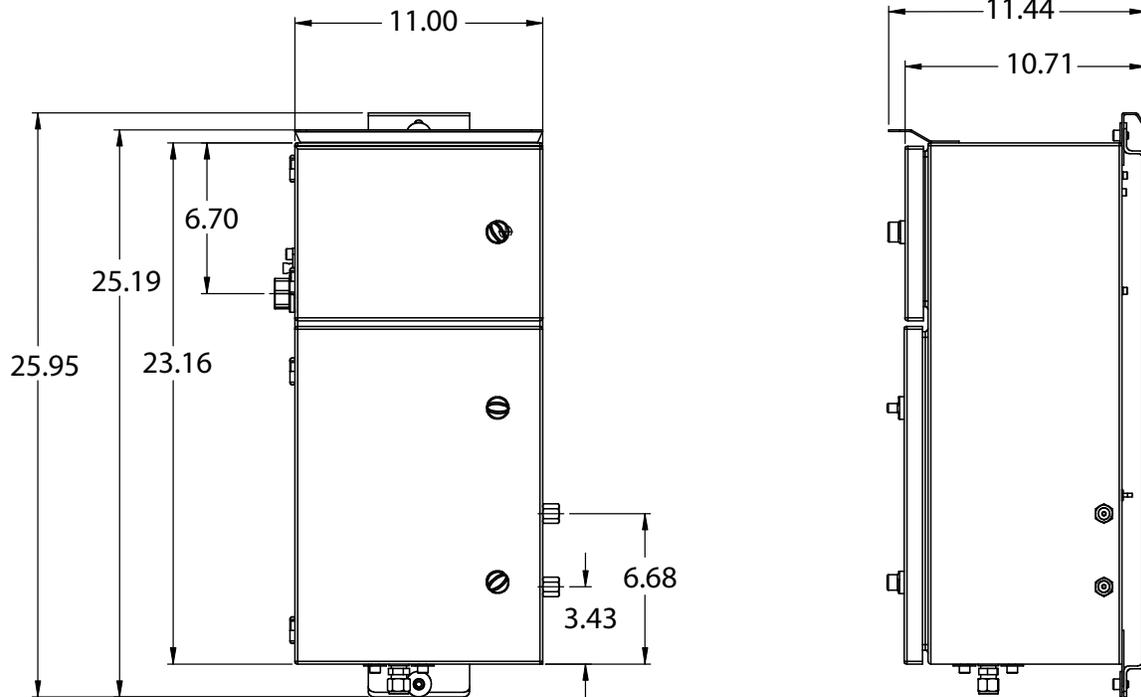
### Principles of Operation:

1. An odorant storage vessel is pressurized to a pressure above pipeline pressure. An upstream regulator or nitrogen source is commonly used.
2. Odorant moves from the vessel probe through the filter to the isolation valve.
3. When the controller opens the isolation valve, odorant flows to the metering valve.
4. As the controller opens the metering valve, drops fall past the optical sensors into the gas stream.
5. As they fall past the optical sensors, information is communicated to the controller. Every drop is accounted for in our odorizer unit.
6. The system controller interfaces with the metering valve servo, optical system, gas flow information, local interface, remote interface, etc. to maintain a constant odorant injection proportional to the gas flow rate.



Primary overview of Techview software

## Z9000 Technical Data



### SPECIFICATIONS

Power	12-30VDC; 75W (max)
Pressure	350 psi standard; special available
Connections	Myers Hub (2): 3/4" NPT Actuation Gas: 1/4" NPT Odorant Inlet: 1/4" NPT Odorant Outlet: 1/2" Swagelok tubing fitting
Data Logging	Hourly archives; Audit trail; TechView Remote
User Interface	4 line by 20 character LCD display
Enclosure	304 Stainless Steel
Overall Dimensions	25.95 x 11 x 11.44 in
Ambient Temperature	-20 to 120°F
Shipping Weight	~50 lbs
Agency Approvals	CSA Class 1 Div 2 Groups B,C,D

**⚠ WARNING**

It is solely the responsibility of the end-user, through its own analysis and testing, to select products and materials suitable for their specific application requirements, ensure they are properly installed, safely applied, properly maintained, and limit their use to their intended purpose. Improper selection, installation, or use may result in personal injury or property damage.



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