

nano | micro | milli

GOVAPEX™
GUARDIAN OZONE + VAPEX ENVIRONMENTAL

The GOVAPEX™ NANO, MICRO, and MILLI are odor control solutions designed to eliminate H₂S, mercaptans, amines, and other odorous compounds in enclosed spaces. Our patented three-fluid atomizing nozzle combines ozone, water, and air to create a hydroxyl radical mist—the *most potent vaporized oxidant used in odor treatment*. As the oxidant mist covers infrastructure surfaces, it also kills the bacteria that cause microbial induced corrosion (MIC). Additionally, our technology oxidizes fats, oils, and grease (FOG), preventing them from clogging pumps and reforming downstream.

SPECIFICATIONS

SYSTEM

Maximum Oxidant Output:

NANO: 20 g/hr

MICRO: 50 g/hr

MILLI: 60 g/hr

Number of Nozzles:

NANO: 1 to 2

MICRO: 1 to 4

MILLI: 3 to 6

Maximum Treatment Volume:

**Maximum treatment volume is dependent on application.*

NANO: 10,000 ft³

MICRO: 26,000 ft³

MILLI: 42,000 ft³

Maximum Distance Between Nozzle & Unit: 300 ft*

**Maximum distance based on a straight line. Actual distance may be affected by elevation and bends.*

NOZZLE PROPERTIES

LV Nozzle

Average Air Output: 1.5 CFM

Water Usage: 1.5 gal/hr

HV Nozzle

Average Air Output: 30-40 CFM

Water Usage: 8 gal/hr

PHYSICAL PROPERTIES

Enclosure

TGIC Polyester Powder Coated Aluminum

Unit Dimensions, with Pedestal (LxWxH):

50 in x 33 in x 69 in

Clearance Dimensions (LxWxH):

86 in x 69 in x 122 in

Minimum Installation Pad: 72 in x 72 in x 4 in

Unit Weight: 200-400 lbs

OPERATING TEMPERATURE

20°F to 100°F

POWER SUPPLY

208-240 VAC, 30A, 60 Hz, Single Phase

WATER SUPPLY

Quality: Potable

Minimum Supply: 10 gal/hr per nozzle

Minimum Water Pressure: 25 psi

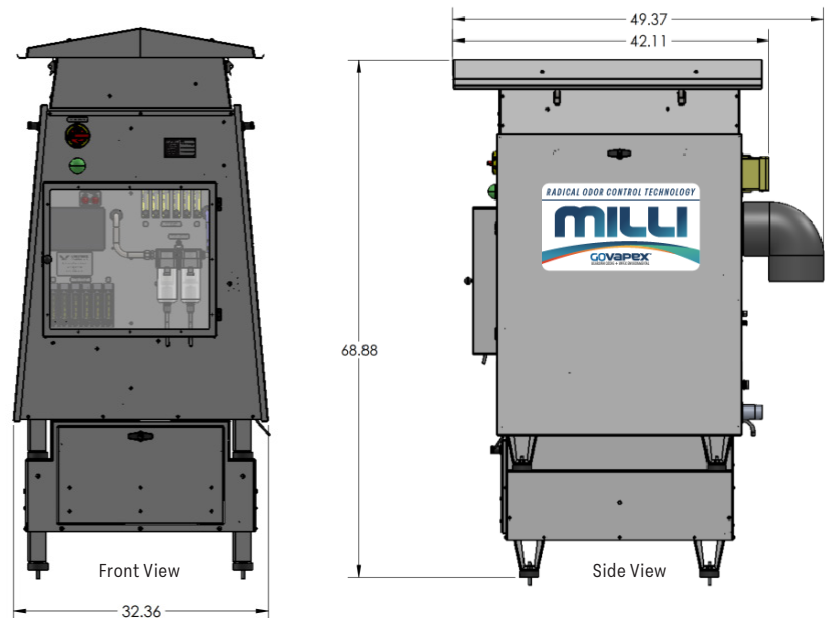
Maximum Water Pressure: 75 psi

MAIN FEATURES

- Eliminates H₂S and other odorous compounds
- Eliminates biofilm or bacterial growth in the treatment area
- Reduces the rate of MIC associated with low pH
- Reduces or eliminates FOG
- Reduces or eliminates surface FOG removal frequency and disposal

APPLICATIONS

- Lift Stations/Pump Stations
- Wet Wells
- Holding Tanks
- Headworks
- Covered Clarifiers
- Junction Boxes
- EQ Tanks
- Influent Channels
- Interceptors



Product Cut Sheet. Pictures may contain optional equipment. Actual unit configuration may be different. Specifications subject to change without notice.

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