

O-MEGA

Odor Control System

Eliminates Odors,
Reduces Grease,
Prevents Low pH Corrosion

**Lift/Pump Stations • Covered Tanks
Headworks • Wet Wells**

O-MEGA
C-Series



O-MEGA
V-Series



 **VAPEX**
ENVIRONMENTAL TECHNOLOGIES

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Wet Well Diagram

The Vapex O-MEGA hydroxyl radical fog odor control system uses a patented air atomizing 3-fluid nozzle. Vapex combines ozone with a rapid application of micron-size water particles to create a hydroxyl radical fog that is dispersed throughout the entire odorous air space, generating a large reaction surface area. No foul air extraction is needed.

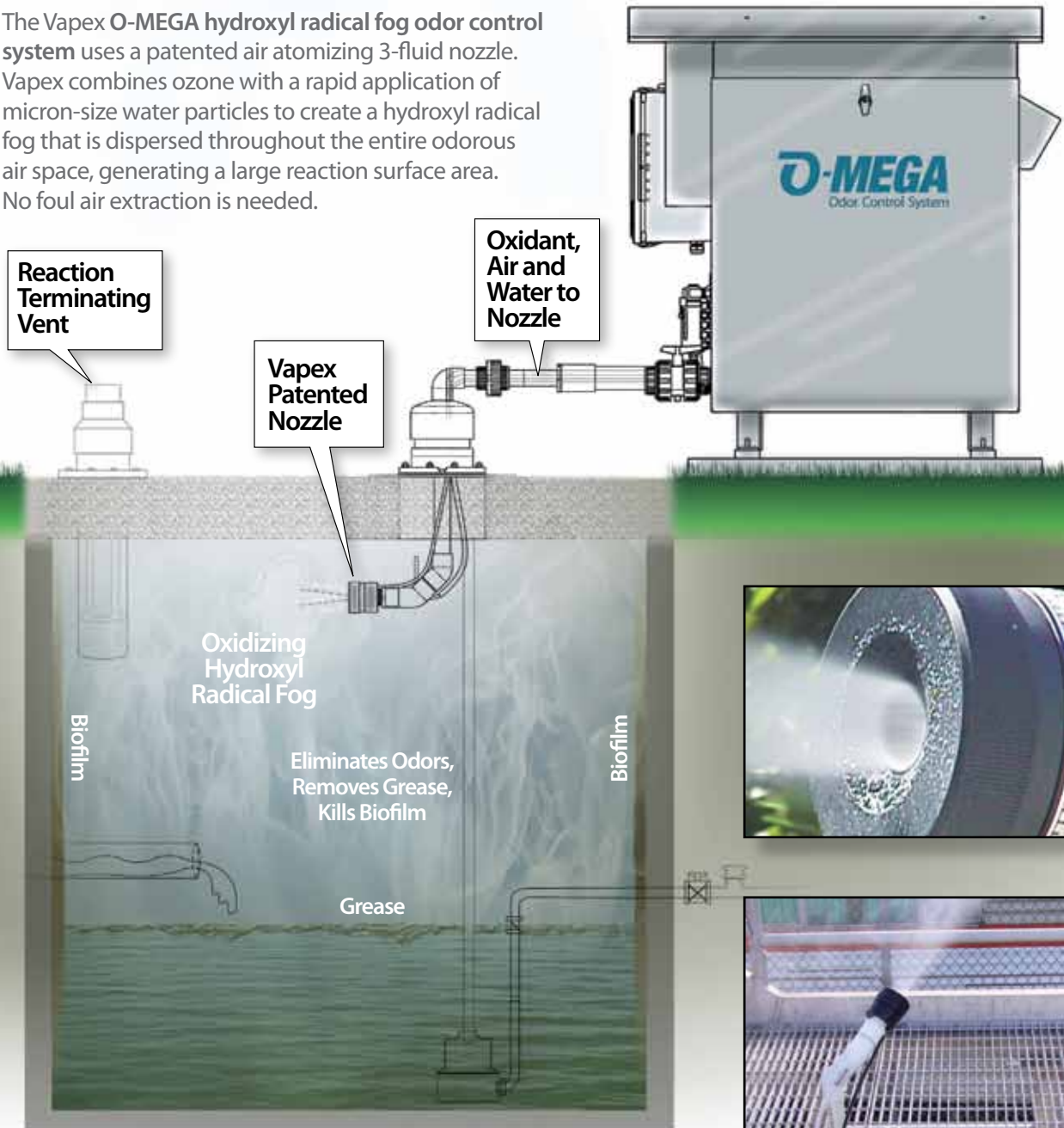


Diagram not to scale.

Top-right photo: Pictured is the patented Vapex Standard nozzle. Low-Volume nozzles are available for treatment areas less than 1,000 cubic feet. Bottom-right photo: The nozzle mount assembly allows for easy access to the nozzle for adjustment and cleaning.



Benefits

- Destroys emitting H2S and associated odors
- Eliminates odor complaints
- Breaks down grease
- Kills biofilm
- Helps prevent H2S corrosion within the wet well
- Helps prevent pH corrosion by raising pH level
- No chemical storage and handling
- Hydroxyl radicals react faster than other oxidizing agents
- Reacted chemistry is condensed back into water stream

Features

- Simple installation
- Low maintenance
- Online fault monitoring
- Prepackaged modular design for easy access
- Safety switches automatically turn off the system if loss of air or water is detected
- Three year warranty on parts and labor with extended warranty packages available
- Dispersion of hydroxyl radical fog allows chemical reaction with odorous gas
- Corrosion-resistant epoxy coated aluminum enclosure designed for outdoor installation



6-inch thick grease



After 2 weeks of
O-MEGA
 Odor Control System

Choose the Best Solution for Lift Station Odor Control

	Vapex O-MEGA	Biofilter	Carbon Vessel	Iron Sponge	Chemicals
Five Year Cost	\$\$	\$\$\$\$	\$\$	\$\$\$	\$\$\$
High H2S Load Control	✓	✗	✗	✗	✓
No Media Disposal	✓	✗	✗	✗	✓
No Chemical Storage	✓	✓	✓	✓	✗
Small Footprint	✓	✗	✓	✗	✓

O-MEGA

Hydroxyl Radical Fog Odor Control System

Specifications	V400	V800	V1500	C2500
# of Nozzles	1	1 to 2	2 to 3	3 to 4
Daily Oxidant Output	≤ 0.4 lbs	≤ 0.8 lbs	≤ 1.5 lbs	≤ 2.5 lbs
User Interface	Manual			Touch-Screen PLC
Power Requirements	115 vac (standard) 220 vac (optional)			220 vac
Product Dimensions (rounded)	38" L x 29" W x 37" H (without sun shield or air filter)			43" L x 34" W x 45" H (without sun shield)
Weight (average)	170 lbs to 220 lbs			290 lbs to 340 lbs
Minimum Installation Area	3' x 3' solid, level surface			3' x 3' solid, level surface
Minimum Clearance Area	58" L x 88" W x 90" H			77" L x 93" W x 63" H

Site-Specific Product Options:

- Sun Shield - Reduces heat from direct sun exposure.
- Sound Enclosure – Designed for noise-sensitive areas.
- Raiser Stand (3 foot) – Used in areas prone to flooding.
- Cold Weather Package – Protects nozzle tubing in freezing conditions.
- Reaction Terminating Vent – Allows wet wells to “breathe” without exhausting any reaction fog.
- Exhaust Air Duct Package – Required for indoor installation.

Contact your Vapex sales representative or call 1-888-907-0004 to find out what O-MEGA system is best suited to eliminate collection system odors and air quality issues in your area.



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