

LVO Odorizer System

Low-Volume Odorization. Engineered to Perform.

Services: Operations, System Design | Industries: Gas Utilities, Renewable Natural Gas, Gas Refineries

The LVO Odorizer System is a precision injection odorizer engineered for applications requiring accurate odorant addition at low to moderate gas flow rates. Available in single (30-gal) and double (120-gal) tank configurations for RNG and utility applications, the LVO delivers consistent odorant concentration across varying flow conditions without requiring constant operator attention.

LVO Single — 30-Gallon RNG (MRR-LVO30)

Performance	
Capacity (Single LVO)	0–200 mscfh @ 0.5 lbs/mmscf
Odorant Output	0.38 GAL/day (1.44 L/day)
Operating Temp Range	0 to 140°F (–17°C to 60°C)
Power & Setup	
Carbon Filter Motor	1/2 hp — 3450 rpm — 115/230V — 790A — Ph 1 — Class B — Des N — Code K
Space Heater	Norseman 475W / 120V / 1PH T-STAT
Max Meter Pulse Sinking	Output: current sinking, 20mA max. Power: 5–26 VDC.
Features	
Odorant Injection	Dual — LVO 610G YZ Item, connected to interior pipe
Tank	30-gal tank with stand
Containment	LVO 120GAL 58×88×12 (110%+ capacity)
Active Carbon Filter	30 GAL, 115V
Flow Detection	Switch, Micro Flow Autoflow
Accessories	Central valve panel, passive filter (15 gal), active filter (30 gal), space heater, odorant flow measurement via Max Meter, flow signal detection via flow switch
Enclosure	
Cover	Fire-rated insulated cover (CAN/ULC-S114)
Electrical Certification	
LVO	CID1, Group C,D T3C EExia IIB Zone 0 T4C
Filter	CL I GR D, CLII GR F&G, CI ZI GR-IIA SOLAR CID2
Part Number	
Model	MRR-LVO30 — Spec Sheet ID 4210

LVO Double — 120-Gallon RNG (MRR-LVO120)

Performance

Capacity (Single LVO)	0–200 mscfh @ 0.5 lbs/mmscf
Odorant Output	0.38 GAL/day (1.44 L/day)
Operating Temp Range	0 to 140°F (–17°C to 60°C)
Power & Setup	
Carbon Filter Motor	1/2 hp — 3450 rpm — 115/230V — 790A — Ph 1 — Class B — Des N — Code K
Space Heater	Norseman 475W / 120V / 1PH T-STAT
Max Meter Pulse Sinking	Output: current sinking, 20mA max. Power: 5–26 VDC.
Features	
Odorant Injection	Dual — LVO 610G YZ Item, connected to interior pipe
Tank	120-gal tank with stand
Containment	LVO 120GAL 58×88×12 (110%+ capacity)
Active Carbon Filter	30 GAL, 115V
Flow Detection	Switch, Micro Flow Autoflow
Accessories	Central valve panel, passive filter (15 gal), active filter (30 gal), space heater, odorant flow measurement via Max Meter, flow signal detection via flow switch
Enclosure	
Cover	Fire-rated insulated cover (CAN/ULC-S114)
Electrical Certification	
LVO	CID1, Group C,D T3C EExia IIB Zone 0 T4C
Filter	CL I GR D, CLII GR F&G, CI ZI GR-IIA SOLAR CID2
Part Number	
Model	MRR-LVO120 — Spec Sheet ID 3530

Why MRR

MRR supplies, installs, and services the LVO Odorizer System as part of a fully supported odorization program. Our technicians are familiar with the system across all configurations and provide calibration, maintenance, and troubleshooting support in the field.

Contact MRR to determine whether the LVO is the right fit for your application.