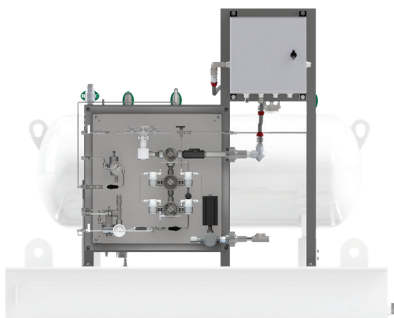


ECOsysteM™ Liquid Pumpless Injection System



Reduce methane emissions with Welker's proven technology! The ECOSysteM™ Liquid Pumpless Injection System is based on the zero-emission design of our standard ECOSysteM™ and incorporates the accuracy and verification of the Accu/Line™ family of smart liquid odorant injection systems.

This ECOSysteM™ is a turnkey odorant injection system designed to inject liquid odorant proportional to flow into natural gas pipelines with flow rates from 1 Mscfh up to 8.5 MMscfh with no adjustments.



Features

- Zero-emission design
- Pumpless
- Accuracy measured to 0.002 cc
- Low pressure differential required for injection
- Intuitive touch screen controller with Welker program automatically adjusts the injection volume and rate to changing flow conditions
- Remote monitoring and communication using Modbus or Ethernet
- Audit trail and alarms log backed up to microSD card
- Redundant solenoids with automatic failover
- Low-pressure odorant supply tank with 110% containment sloped to drain

Benefits

- No methane is released to the atmosphere during normal operation
- Eliminate vapor lock for dependable odorant delivery
- Reduced maintenance
- Reduced pneumatic supply pressure required compared to pump injection systems
- Know the injection volume of each actuation
- No manual injection volume adjustment
- Continuous proportional to flow odorization
- Off-site system monitoring and troubleshooting
- Time- and date-stamped historical records for accurate reporting, planning, and scheduling
- Skid containment protects the ground from contamination

SPECIFICATIONS

ECOSYSTEM™ LIQUID SYSTEM

ECOsysteM™ Liquid

Materials of Construction	316/316 L Stainless Steel, Painted Carbon Steel, PTFE, Kalrez®, Viton®
Ambient Temperature	-4 °F to 120 °F
Power	DC 24 V, AC 120 V, Optional Solar Panel
Injection Outlet Connection	¼" Tubing
Injection Pressure	Up to 200 psig
Odorant Inlet Pressure Required	15 psig – 50 psig
Instrument Gas Pressure Required	> 5 psig Over Injection Pressure
Flow Rate	5 Mscfh – 10 MMscfh
Tank Volume	60, 120, 250, 500, 1000 US Gallons

Weight and/or dimensions are approximate. Specifications subject to change without notice.

