



GAS MIX™ LIQ MIX



Generate Gas Standards from liquids

Today more and more analytical laboratories require calibration standards from compounds which are liquid at room temperature. Aromatics such as Benzene, Toluene, and Xylene (BTX), along with many other organic solvents or Siloxane can be difficult to acquire.

GasMix™ LiqMix is perfect for these applications: it can evaporate a liquid standard in a controlled way into a gas stream, providing the ability for lab personnel to generate a range of standards at different concentrations.

Dedicated software

The custom designed software continuously monitors and controls mass flow controllers (MFCs) and allows an automatic generation of gas mixtures in a programmed sequence. Automation of the process provides real time saving for the operator. The dilutor can be remotely controlled, or driven by an analyzer.

The GasMix™ LiqMix software controls the temperature set points for the evaporator and the heated lines. This ensures that the newly generated gas standard is kept in a gaseous phase up to the injection point of the analyzer or any other delivery point.

Designed for ease of operation, system operators will easily master the GasMix software; the built in audit trail function ensures total traceability of each operation. Regular automatic sequences may be saved and recalled at any time.

BENEFITS

- Calibration curves for each used gas
- Heated line up to the analyzer
- Reduced operator time
- Automation
- Unique solution
- Return on Investment in less than one year

Application spotlight: Biogas Valorization

Siloxanes are transformed into silicon oxides at high temperature. These oxides are very hard materials which can damage the metal surfaces of an engine. Gas chromatography is used to evaluate the efficiency of a siloxane remover process. The analyzer must be calibrated and gas standards containing Siloxanes are not commercially available. LiqMix is used to vaporize octamethylcyclotetrasiloxane (D4) which is liquid at room temperature.

KEY APPLICATIONS

- Calibration laboratories
- Renewable energy - Biogas
- Air treatment performance control
- Petrochemical, Oil & Gas
- VOC analysis
- Automotive industry
- Gas chromatography



Technical specifications*:

Dimensions: L x W x H (cm): 42x22x46 (16.5"x8.5"x18")
 Weight: 16 kg – 35 lbs
 Connectors: 1/8" Swagelok
 Accuracy: less than 2% of the flow all over the scale
 USB communication: Windows 7 recommended
 Power Supply: 230 V / 2A / 50-60 Hz (115 V available)
 Supply pressure: 3 bar for gases – 3.2 bar liquid blanketing
 Max outlet pressure: Atmospheric, higher pressure possible on request (contact us)

* Note Specifications subject to change without notice

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