



Linden's Unique Patented Gas Infusion Unit Continuously Monitors and Updates the Level of CO₂ Gas Entrainment in the Polyurethane Foam.



The Introduction of CO₂ Into Polyurethane Foam Results In:

- Reduce Part Weight & Material Usage Up To 20%.
- Improve Acoustical - Sound Absorption Properties

Ideal for use in:

- Auto Interiors
- Floor Coverings
- Firewall Insulation
- Sound Absorption applications



The Linden Industries CO₂ Gas Infusion™ Blending Unit is designed to entrain gaseous CO₂ into Polyurethane

Homogeneous dissolution and distribution of CO₂ into the Polyol component of a Urethane formulation results in minimum consumption of CO₂.

A sensor continuously monitors and updates the level of CO₂ in Polyol

The CO₂ is introduced automatically based on control presets. Polyol is circulated from the material day tank through the sensor by a magnetically coupled auxiliary pump. The set point is "continuously"

compared to a feedback signal from the kidney-loop sensor and CO₂ gas loading is corrected automatically.

Superb Accuracy compared to Intermittent CO₂ sampling units

Processing is possible with day tank blanket pressures as low as 40 psig and CO₂ tank pressures as low as 100 psig

CO₂ is nonflammable, environmentally friendly, and an abundant natural resource

The Gas Infusion unit can be provided as an addition to new foam equipment or can easily be adapted to existing processing equipment as a stand-alone add-on module.

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Linden Industries, Inc.
Polyurethane Processing Equipment

