

IGAL™

Introducing the world's most efficient gas filling system for insulated windows



Benefits and Features

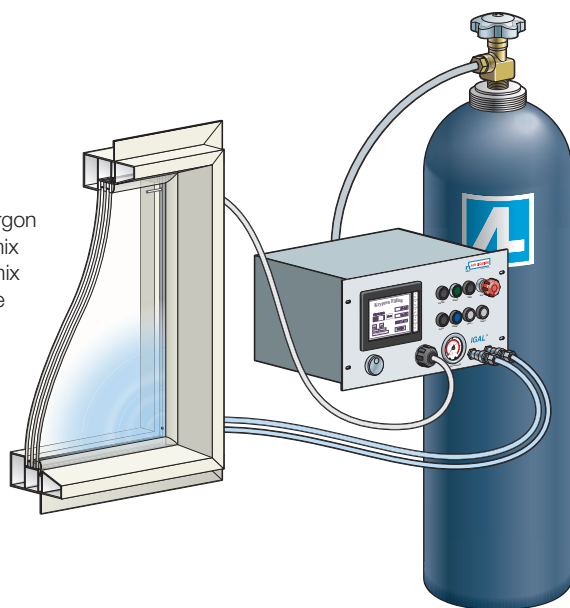
- Reduces typical fill gas loss by 50% thus reducing gas consumption.
- Faster fill process speeds production, enabling more units to be produced daily.
- Variable gas flow based on window size optimizes fill rate for maximum fill efficiency.
- Gas usage display accurately indicates when window reaches intended gas content.
- Display of dispensed gas volume (per fill and cumulative) documents gas usage for better inventory management.
- Programmable fill duration with auto shutoff prevents accidental over-filling and associated wasted gas.
- Easy, one-minute/once-a-month calibration reduces labor.
- One-stop shopping for equipment and gas needs simplifies procurement and administrative labor.
- Cost-effective leasing terms eliminate concerns about equipment maintenance and repairs.
- Can be used out-of-the-box with all types of rare gases.

IGAL™

Insulated window filling system significantly reduces rare gas consumption

Gases for Insulation

Pure krypton, xenon and argon
90% krypton/10% argon mix
50% krypton/50% argon mix
Customized mixes available



IGAL Insulated Glass Window Filling System

The IGAL insulated glass window filling system from Air Liquide provides many advantages over existing window filling systems. Most importantly, based on extensive studies, IGAL empowers window manufacturers to reduce their krypton and other rare gas loss by at least 50% as compared to other systems currently on the market. Quite literally, IGAL prevents expensive rare gases from flying out the window, resulting in savings that can easily total into the hundreds of thousands of dollars.

IGAL also offers other innovative features that help reduce gas consumption while minimizing labor. Based on window dimensions programmed into the unit, IGAL automatically selects the optimal flowrate to achieve the fastest most efficient fill. Unlike other units, IGAL calibration is typically necessary only once a month—and takes less than a minute to complete. In addition, a unique optical-based sensor automatically indicates when calibration is needed.

IGAL helps achieve more effective gas inventory management by accurately displaying the volume of gas used during each fill, and by maintaining a running cumulative gas usage total. Combined with a programmable gas-saving automatic shutoff in the event a fill takes longer than it should (such as a leaky seal between panes), this provides manufacturers with a new tool to help achieve better quality control.

IGAL is engineered to improve the quality and performance of insulated glass windows and is based on over 20 years of experience working with leading window manufacturers worldwide. As the world's premier supplier of rare gases, Air Liquide is able to offer cost-effective leasing terms that can include supply of rare gases such as pure krypton, argon and xenon, as well as custom gas mixtures. Other high-performance gas handling equipment such as pressure regulators, valves and manifolds are also available.



Founded in 1902, Air Liquide is the world leader in industrial and medical specialty gases and related services, providing innovative solutions for the manufacture of everyday products and for the protection of life.

NOTE: This brochure is intended for general information purposes only and is not intended as a representation or warranty of any kind, or as a statement of any terms or condition of sale. The information herein is believed to be correct, but is not warranted for correctness or completeness or for applicability to any particular customer or situation.

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Exclusive Air Liquide IGAL Offer

- One-stop shopping
- Efficient window filling system
- Window-grade pure rare gases
- Bulk argon supply
- Custom gas mixtures



Specifications

- Dimensions:
10" h x 19" w x 20.125" d
(254mm x 483mm x 511mm)
- Power requirement:
100–240V single phase AC
50–60hz, 2 amp
- Maximum flowrate/line:
15 liter/minute (per line)
- Weight: 55 lbs. (25 kg)
- Number of fill lines per unit: 2
- Easy-to-read digital display
- Flexibility to use for vertical or horizontal filling
- Calculates most efficient flowrate based on window dimensions
- Use for double and triple pane windows of all sizes



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