

Benefits of Argon Gas Windows

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Builders use argon gas windows to increase energy-efficiency and comfort in the residential and commercial spaces they develop. These thermal windows, also known as Insulated Glass Units (IGUs) are typically double-pane construction. This means they're built with two or three glass layers with a sealed space between those panels. The spaces between the glass layers are filled with argon or another gas type, to help slow the process of heat transfer through the glass, among other important benefits they provide.

What are the Benefits of Using Argon Gas Windows?

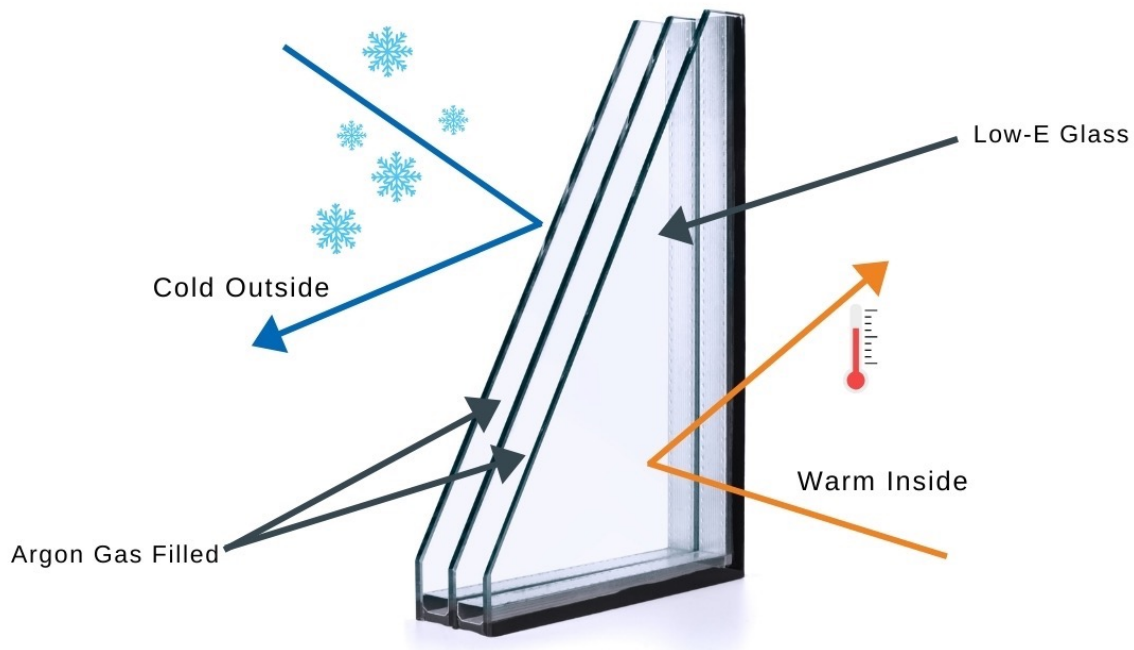
Nearly all modern thermal windows utilize a gas fill. There are important benefits of using argon gas windows compared with other thermal window types. The United States and Canada both offer tax credits to homeowners and businesses, to encourage the use of this window type, by offsetting the cost of argon gas windows for increasing energy efficiency. Argon is naturally occurring, odorless, colorless, and non-toxic. It's also relatively inexpensive.

Argon delivers significant advantages over air filling in windows. Air inherently contains moisture, which can transform into condensation between glass window panes, which can cause windows to have a cloudy appearance. Argon is also a superior insulator, compared with air. It improves a window's thermal efficiency to perform comparably to wall insulation R-value.

Here are some of the many impressive benefits of filling windows with argon gas:

- Argon gas filling improves a window's U-value and its thermal effectiveness.

- Argon is a harmless, non-toxic gas that presents no risk to building occupants or the environment due to gas leak.
- Using argon gas filling helps minimize condensation on window glass.
- Argon does not promote damage to window frames, making argon gas windows an ideal long-term solution for energy-efficient windows.
- Using gas filling minimizes loss of warmth due to heat exchange through the glass.
- Argon filling will not cause corrosion to windows, as oxygen filling can.
- Argon can be used in conjunction with low-E coatings, to optimize energy efficiency.
- Gas-filled multiple-pane windows are popular with builders for helping in soundproofing.
- Argon gas windows can be used in any climate.
- Filling with argon is highly cost-effective, adding under \$50 to the cost of a new window.
- Argon windows are inexpensive to buy but can return large energy cost savings.
- Gas-filled windows are available in both commercial and residential styles and sizes.



Frequently Asked Questions About Argon Gas Windows

How Do I Know if My Windows Have Argon Gas?

Check the corners of the window to locate the NFRC rating sticker, manufacturer identification, descriptions such as low-E glass, Argon, Energy Star, among other information.

How Long Does Argon Gas in Windows Last?

Does Argon Gas in Windows Reduce Noise?

How Much Do Argon Gas Windows Cost?

Which Is Better – Argon or Krypton Gas Fill in Windows?

Advanced Window Products, Salt Lake City Utah

We are the leading window company in the state of Utah. We sell high-efficiency windows and perform windows installation services directly from our factory. This allows us to provide major cost savings to our customers. It also prevents common warranty issues customers often experience with third-party sellers.

All Advanced Window Products professional installers hold lead-safe, Energy Star, NFRC, AAMA certifications and are deeply committed to excellence in customer service.

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