

ATRIUM[®]
WINDOWS AND DOORS

SERIES 8100

VINYL
REPLACEMENT
WINDOWS



AN EXCEPTIONAL VALUE

IN QUALITY CRAFTED WINDOWS

Atrium Series 8100 single hung windows offer an exceptional value, with outstanding strength, energy efficiency and lasting beauty.



A+ QUALITY

- + **Bottom sash tilts in** for easy cleaning
- + **Insulated glass panels** with optimum thermal air space featuring a warm-edge spacer system
- + **Aluminum-reinforced** lock and meeting rails enhance structural integrity
- + **Double sash locks** provide extra security (2 locks standard at 27 1/4" or wider)
- + **Block & tackle balance** system keeps lower sash stationary when opened to any position
- + **Beveled exterior frame** makes a stylish design statement
- + **DP rating 50** (window size tested 36" x 74")
- + **Integrated slim-line lift rail** allows you to easily operate sash
- + **Factory applied wrap-around foam** enhances thermal efficiency around the frame's exterior
- + **Fusion-welded frame** and sash corners ensure frame durability
- + **Sloped sill** accommodates easy water run-off
- + **Factory-installed half-screen standard***
- + **Head expander and sill angle** are included
- + **Jamb depth: 2.624"**
- + **Transferable limited lifetime warranty**

CUSTOM Options

- + **Low-E Glass**
- + **Low-E Glass + Argon Gas**
- + **Ultra Low-E Glass + Argon Gas**
- + **Obscure glass**
- + **Double strength glass**
- + **Optional 5/8" or 1" contoured grid and 5/8" or 3/4" flat grid available**
- + **Custom sizes cut on 1/8" width and height**
- + **Factory mulling of twins and triples**
- + **Lifetime glass breakage warranty**

White

Almond

+ **COLOR**
OPTIONS**



value

MAKE A STATEMENT

WITH COMPLEMENTARY STYLES & SPECIALTY SHAPES

Choose from our wide selection of complementary styles and specialty shapes to enhance your home with truly distinctive window designs.



Series 8100 Sliding Windows

Series 8100 sliding windows offer the same stability, efficiency and design features of our Series 8100 single hung windows, plus:

- + Tandem rollers ride easily along friction-free slide channel
- + Integrated glide rail for easy sash opening and closing
- + Available in $\frac{1}{4}$ - $\frac{1}{2}$ - $\frac{1}{4}$ or $\frac{1}{3}$ - $\frac{1}{3}$ - $\frac{1}{3}$ configurations
- + XO or OX 2-lite styles available
- + Half screen comes standard*
- + 2-lite DP rating 30 (window size tested 72" x 48")
- + 2.75" jamb depth

Specialty Shapes
(shown with optional grid)



Full Round



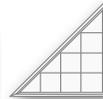
Half Round



Octagon



Trapezoid



Triangle

A Sampling of
Complementary Styles



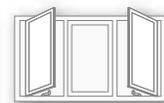
Bow Window



Awning
Window



Slider Window



Casement
Window

Scan this QR code to
see our manufacturing
facility in action.



Proudly Made in the USA 

style

Note: Manufacturer reserves the right to substitute components as necessary for continued product improvement.

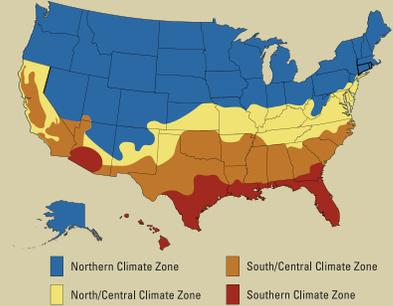
*Screens are not meant to restrain a child from falling through an open window.

**Printing process may affect color shown. Please refer to actual window sample when selecting colors.

ENERGY SMART OPTIONS FROM ATRIUM

Atrium Series 8100 windows are engineered with state-of-the-art glass technology to give you outstanding thermal efficiency. It all starts with premium insulated glass: two sturdy panes separated by an optimal air space to create a wide thermal barrier. Between the glass panes is a special insulated spacer designed to flex with the glass in hot or cold temperatures to resist sealant failure. The insulated spacer also helps keep the edges of the glass warmer, dramatically reducing condensation while keeping cold air out and warm air in.

Energy Star Climate Zone Map



Criteria for Windows

Climate Zone	U-Factor	SHGC	
Northern:	≤ 0.27	Any	Prescriptive
	≥ 0.28	≥ 0.32	Equivalent Energy Performance
	≥ 0.29	≥ 0.37	
	≥ 0.30	≥ 0.42	
North/Central:	≤ 0.30	≤ 0.40	
South/Central:	≤ 0.30	≤ 0.25	
Southern:	≤ 0.40	≤ 0.25	
Air Leakage Rating:	≤ 0.3 cfm/ft ²		



Low-E Glass

Low-E glass is coated with a microscopic layer of silver that reflects radiant solar energy while permitting visible light to pass through the glass, providing more comfort and lower energy costs.



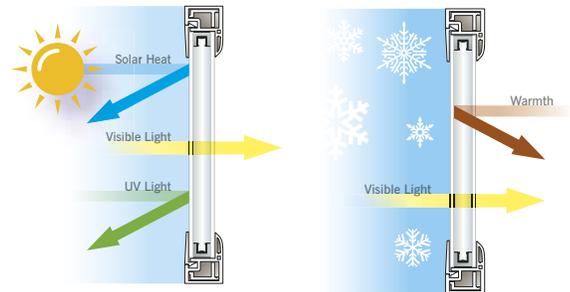
Low-E Glass + Argon Gas

Argon gas works like an insulating blanket between two panes of glass to further improve thermal efficiency and decrease outside sound levels.



Ultra Low-E Glass + Argon Gas

Choose our ultimate glass package for optimal energy efficiency and maximum cost savings. Ultra Low-E glass offers three invisible layers of silver coating in addition to the superior thermal performance of argon gas.



+ Low-E glass reduces heat gain from the sun in the summer, keeping your home cooler.

+ In the winter, Low-E glass lets the warm solar rays in while blocking the heat in your home from getting out.



ENERGY STAR compliance available in all series. Verify product specifics before ordering.

energy efficient

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