

**ATRIUM**<sup>®</sup>  
WINDOWS AND DOORS

**SERIES 8900**

VINYL  
REPLACEMENT  
WINDOWS





## A COMMITMENT TO EXCELLENCE SINCE 1948



Brighten every room in your home with precision-crafted windows and doors from Atrium. We control each step of the manufacturing process to ensure that every product we sell is of the highest quality, right down to its smallest component. Our commitment to quality—and to exceptional customer service—allows us to create energy efficient, easy care windows that lower energy costs and lend lasting, classic beauty to any home.



Proudly Made in the USA 

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





## THE VINYL ADVANTAGE

If you're looking for high-performance, energy efficient windows that are virtually maintenance-free, vinyl is the answer. It never needs painting or refinishing, and it creates tight seals that eliminate leaky drafts, reducing your energy costs all year long.

### Easy Care

Both sashes on our Series 8900 double hung windows tilt in for easy cleaning and maintenance, and optional grids come between the panes so they never need cleaning.

### Energy Efficiency

Our thermally fused frames and Low-E glass options offer optimal insulation against air, water and outside noise. Series 8900 windows offer top of the line energy efficiency, and will help pay for themselves by lowering your heating and cooling bills year-round.

### Exceptional Craftsmanship

Performance-tested Series 8900 windows feature exclusive InsulKor™ technology including standard fiberglass-enriched polyurethane sash reinforcement for exceptional strength, lasting durability and outstanding thermal performance. Choose the optional multi-cavity foam-filled frame for even greater energy efficiency.

### Quality Guaranteed

Series 8900 windows are backed by a transferable limited lifetime warranty, and glass components feature a **lifetime glass breakage warranty**. Each Series 8900 window is individually registered to expedite parts identification and replacement. See warranty for complete details.

DO NOT REMOVE  
MAKE DATE: 4/9/2012 WARRANTY: 02589514  
SALES ORDER: 00735962

# 8900

DOUBLE HUNG VINYL REPLACEMENT WINDOWS





## AN INNOVATIVE DESIGN FOR INDUSTRY-LEADING PERFORMANCE

Series 8900, Atrium's top-of-the-line replacement window family, includes double hung, picture window and horizontal sliding models that offer premium enhancements as standard features, along with an array of options for cosmetic, thermal and functional upgrades.

- + **Exclusive InsulKor™** polyurethane fiberglass-enriched sash reinforcement for superior thermal and structural performance
- + **¾" constant force coil balance** offers incredibly easy sash mobility
- + **Fusion-welded sashes and frame** add strength and boost insulation
- + **Low-E glass** with insulating argon gas yields outstanding thermal efficiency
- + **DP 60 rating** (window size tested 36" x 74")
- + **Beveled mainframe** offers a stylish exterior appearance
- + **Dual push-button night latches** position sashes for optimal ventilation
- + **Integrated slim-line lift rail** allows you to easily operate sash
- + **4 ¼" frame thickness** enhances appearance as well as structural integrity
- + **External accessory groove** accommodates nail fin option
- + **Full screen** is standard and removable from the inside\*
- + **Dual low profile, positive-action** cam locks increase security (2 locks standard at 27 ¼" width or wider)
- + **Full interlocking lock and meeting rail**
- + **Full vinyl sash dam on sill** and high-performance weather stripping protect against air infiltration
- + **3.25" jamb depth** for ideal window sizing
- + **Transferable limited lifetime warranty**
- + **Lifetime glass breakage warranty**



A+ QUALITY

For advanced performance and cosmetic appeal,  
the 8900 offers a wealth of options:

- + Low-E Glass
- + Ultra Low-E Glass + Argon Glass
- + Triple-pane, R-5 compliant glass panels with Low-E Glass + Argon Gas or Ultra Low-E Glass + Argon Gas
- + InsulKor multi-cavity foam-filled frame
- + Nail fin accessory for use in remodeling or new construction applications
- + Exclusive locking half screen\*
- + Today's eight most popular painted exterior colors (on white interiors)
- + Three interior wood finishes in cherry, light oak or dark oak grains
- + Additional lock colors to complement any interior color
- + Window Opening Control Device (WOCD) for fall prevention
- + Obscure or double-strength glass



External accessory groove



Nail fin accessory



Full interlocking lock and meeting rail



Scan this QR code to watch a video about our Series 8900.



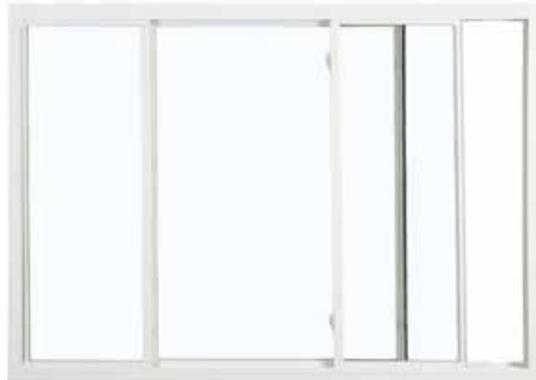
performance

Manufacturer reserves the right to substitute components as necessary.  
\*Screens are not meant to restrain a child from falling through an open window.

# 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 8900 Sliding Windows

Series 8900 sliding windows offer the same deluxe design and efficiency features as 8900 double hung windows, plus:

- + Integrated glide channel for easy sash opening and closing
- + Tandem rollers ride easily along friction-free glide channel
- + Available in  $\frac{1}{4}$  -  $\frac{1}{2}$  -  $\frac{1}{4}$  or  $\frac{1}{3}$  -  $\frac{1}{3}$  -  $\frac{1}{3}$  configurations
- + XX 2-lite configuration (both sashes operate)
- + DP 50 (window size tested 72" x 48")

Specialty Shapes  
(shown with optional grid)



Full Round



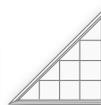
Half Round



Octagon



Trapezoid



Triangle

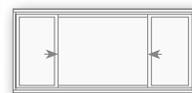
A Sampling of  
Complementary Styles



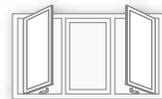
Bow Window



Awning Window



Slider Window



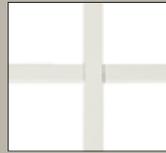
Casement Window

### A Wide Range of Grid Styles

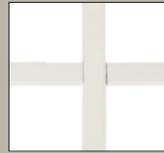
Our between-the-panes and simulated divided lite (SDL) grid options enhance the cosmetic appeal of any home and make cleaning simple.



### + GRID Styles



5/8" flat



3/4" flat



1-1/8" Simulated Divided Lite (SDL)

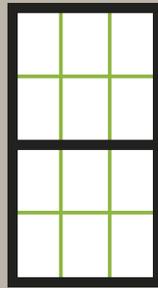


5/8" contoured



1" contoured

### + GRID Patterns



Colonial



Diamond



Prairie (8 Point)



3 Leg Prairie/Perimeter (4 Point)

### + COLOR OPTIONS\*

Available with Series 8900 windows, casements, awnings, bays and bows

Note: Grid offering limited to 5/8" contoured or SDL on exterior painted windows.

#### Vinyl Colors:\*



#### Paint Exterior Colors:\*



#### Laminate Color Options:\*



### + LOCKS

Available with Series 8900 windows



\*Printing process may affect color shown. Please refer to actual window sample when selecting colors. Only use mild, water based household cleaner on painted product and rinse immediately with water. See full cleaning instructions for details.

\*\*Grid offering limited to 5/8" contoured or SDL on exterior painted windows.

# INSULKOR™ FRAME TECHNOLOGY

FOR OUTSTANDING ENERGY EFFICIENCY

InsulKor™ technology is a system of sash and frame enhancements that dramatically improves the performance of the Series 8900 double hung window.



Our exclusive InsulKor fiberglass-enriched polyurethane sash reinforcement replaces aluminum rebar traditionally placed in lock and meeting rails. With structural integrity equal to or better than metal alternatives, the InsulKor insert also reduces thermal conductivity and yields better energy efficiency.

The optional InsulKor multi-cavity foam-filled frame injections add thermal-enhancing insulation in specific hollows to increase the frame's R-values. The combination of foam-filled and dead air chambers optimizes each window's thermal properties for the most energy efficient window system available.

When combined with either of our R-5 rated, triple-pane glazing systems, these InsulKor sash and frame enhancements help make the Series 8900 one of the most energy efficient, strongest window systems available on the market today.



1. Exclusive InsulKor fiberglass-enriched polyurethane sash reinforcement
2. Triple-pane, R-5 compliant glass
3. Super Spacer® sealant system\*
4. Optional InsulKor multi-cavity foam-filled frame injections

# ENERGY SMART OPTIONS FROM ATRIUM

Atrium Series 8900 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.

Between the glass panes is a special insulated spacer designed to flex with the glass in hot or cold temperatures in order 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 <sup>2</sup>	



### 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.



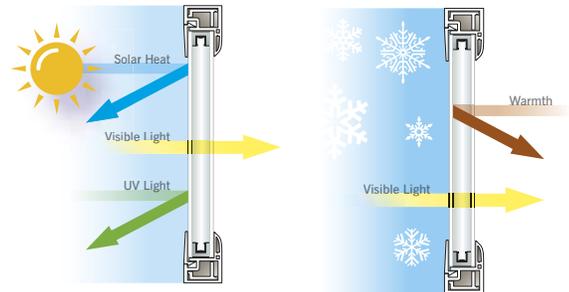
### Ultra Low-E Glass + Argon Gas

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.



### Triple-Pane, R-5 Compliant Glass

Triple-pane, R-5 compliant glass provides industry-leading thermal resistance, noise reduction and protection from the sun. The Series 8900 offers this option with both Low-E glass with argon gas or Ultra Low-E glass with argon gas, for the ultimate in insulation.



+ 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

## WHY VINYL?

- + PVC vinyl makes for windows that never warp or need painting or refinishing, and creates tight seals that dramatically reduce drafts and energy costs.
- + During the past 20 years, PVC products have been found to perform favorably in terms of energy efficiency, thermal-insulating value, low contribution to greenhouse gases and product durability.
- + PVC is better for the environment than competing products, reducing CO<sub>2</sub> emissions and utilizing 20 percent less energy to produce than other plastics.

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