9000 SERIES™ SLIDING PATIO DOOR

CLIMATE SOLUTIONS

Built to Work, Built to Last

THE QUIETEST, MOST THERMALLY EFFICIENT DOOR AVAILABLE ON THE MARKET TODAY

Our 9000 Series Sliding Patio Doors are made from durable uPVC which won't corrode, rot or warp over time. And most importantly, the insulated warmedge CS Ultra Spacer ensures that your glass will stay clear, as well as add comfort to your home. Tempered glass on both panes is standard. Strong and durable, 9000 Series Patio Doors glide easily over a stainless steel mono-rail track, and heavy duty zinc adjustable tandem rollers provide a lifetime of effortles operation.

Climate Solutions glass units deliver the ideal energy balance of salar heat control, high visibility and fade protection. With gas filled chambers and Low-E coatings, our patio doors provide high levels of year-round comfort and energy savings. Plus, they reduce your environmental impact by reducing energy consumption.

Glass	Silver Layers	Gas Filler		2016 ENERGY STAR
Low-E^3 + i89	4	Argon	U Factor as low as 0.21, SHGC as low as 0.17	Exceeds
Low-E^3 + Foam	3	Argon	U Factor as low as 0.25, SHGC as low as 0.17	Exceeds
CS Ultra 3x Glaze	4	Argon	U-Factor as low as 0.19, SHGC as low as 0.23	Exceeds
Multiple combinations of glass packages are available to achieve maximum fenestration results				

Ordinary glass: Water beads higher on rough surface of ordinary glass, causing more spots and greater cleaning needs.

Neat® glass: The smooth surface disperses water evenly, removing dirt more quickly and reducing water spots.

THE SCIENCE OF NEAT GLASS

It's not magic but close to it. A variety of different technologies go into manufacturing Neat glass. But the key technology - the one that helps windows stay cleaner longer - is the super-thin coating we apply. Using our patented double-sputtering process, we apply an invisible, durable and permanent coating of titanium dioxide and silicon dioxide.

SMOOTH AND QUIET

Our doors slide open smoothly and quietly thanks to:
- Patented dual-tandem nylon wheels
- A raised rail to protect the wheels from dirt and debris

Sturdy all-aluminum angle-legged tracks

Competition   Climate Solutions

- Perfectly straight and carefully adjusted parts to minimize friction and make for smoother operation

THE SOUND OF SILENCE

Shhhhh....Enjoy the sound of silence! Multichamber profiles and multiple weatherstripping help eliminate most outside noise.

INCREASED PROTECTION

Fixed and mobile panel rails meet and interlock perfectly, making removal from outside almost impossible. Lower sill design provides safer entry and exit.

OUTSTANDING RELIABILITY

Engineered to perform at PG 55 levels at all sizes up to 71-1/2" x 79-1/4", this door provides reliability that will stand the test of time, and is practically watertight.
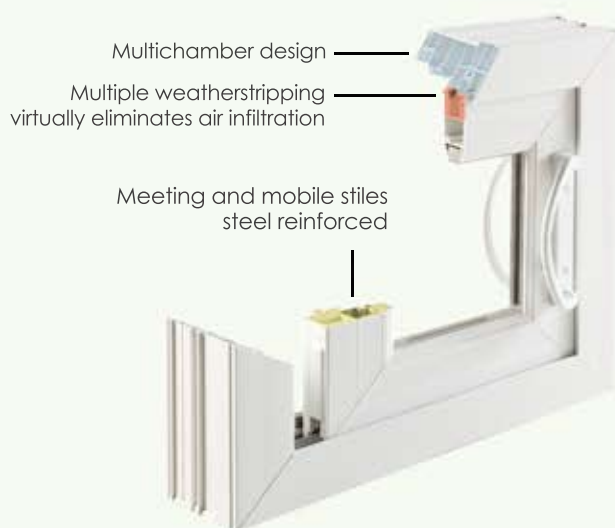
INSTALLER-FRIENDLY DESIGN

Installer-friendly design and room for panel adjustment mean uneven surfaces are never a problem--it's a snap to plumb and square the 9000 Series Sliding Patio Doors.

Try the Climate Solutions fingertip test: bet you can open this door with just the tip of a finger! The easiest door to operate in its category.
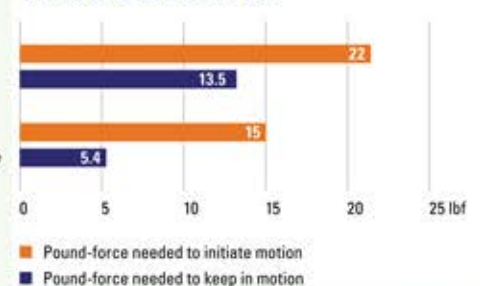
Multichamber Design

Our multichamber design reduces thermal exchange and, with more enclosed air space than other brands, increases insulation values--without the addition of costly, low recyclable insulating material.
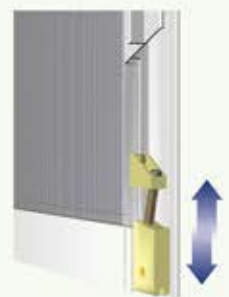
Multichamber design

Multiple weatherstripping virtually eliminates air infiltration

Meeting and mobile stiles steel reinforced

OPERATING FORCE TEST

Specs of the strictest standard

Climate Solutions door performance

22	
13.5	
15	
5.4	

0   5   10   15   20   25 lbf

■ Pound-force needed to initiate motion
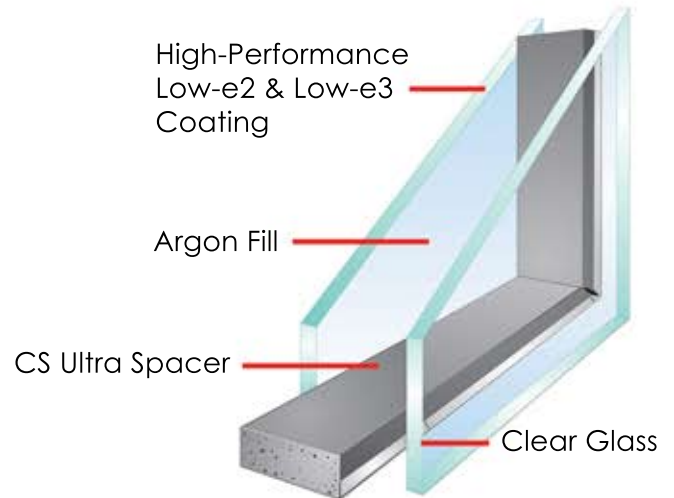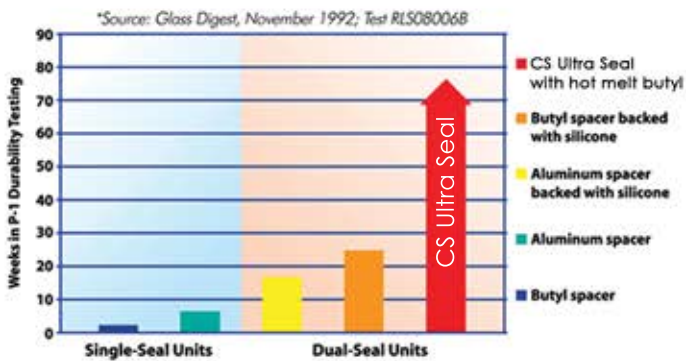■ Pound-force needed to keep in motion

Spring Loaded Screen Rollers

Our screens glide smoothly and quietly thanks to our patented spring loaded screen rollers

CS ULTRA SPACER™

A spacer keeps a window's dual glass panes the correct distance apart for optimal airflow between panes. Too much or too little airflow can affect the insulating glass efficiency. The design and material of the spacer also can make a big difference in the ability to handle expansion and contraction and thus reduce condensation. All of our patio door product(s) are equipped with our high performance CS Ultra Seal.
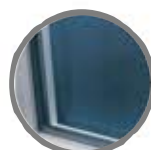
High-Performance Low-e2 & Low-e3 Coating

Argon Fill

CS Ultra Spacer

Clear Glass

*Source: Glass Digest, November 1992; Test RLS08006B

Weeks in P-1 Durability Testing

- CS Ultra Seal with hot melt butyl
- Butyl spacer backed with silicone
- Aluminum spacer backed with silicone
- Aluminum spacer
- Butyl spacer

CS Ultra Seal

Single-Seal Units   Dual-Seal Units

Up to **+11.4°F**(6.3°C) warmer temperature at the edge of the glass (vs. Intercept®)

Outside 0°F ± 2°F
-17.78°C ± 2°F/-1.1°C

Inside 70°F ± 2°F
21.11°C ± 2°F/-1.1°C

43.0°F/6.1°C
CS Ultra Seal with hot melt butyl

41.1°F/5.1°C
Duralite™ - butyl

39.2°F/4.0°C
Intercept® Ultra - butyl

34.1°F/1.2°C
Duraseal™ - butyl

31.6°F/-0.2°C
Intercept® - butyl

Fusion-welded corners
100% watertight and airtight

FOAM VS METAL: The Inside Story

Full Metal Spacer
With conventional metal spacers, condensation is a fact of life.

Less Metal Spacer
Mid-performance spacer systems that still contain metal improve condensation resistance.

NO-Metal CS Ultra Spacer
Patented all-foam design dramatically reduces condensation, delivering the clearest picture with Warm Edge Technology.

CLEARLY
THE HIGHEST VALUE
FOR YOUR MONEY

Performance that meets the most stringent standards in terms of energy efficiency and meets the latest Canadian and American energy standards.

Design that allows for optional 1" thick triple-glazed sealed units, or integrated aluminum blinds.

Efficient division between the glass and steel reinforcement, significantly reducing the risks of condensation.

OPTIONAL HARDWARE OPTIONS

Climate Solutions 9000 Patio Door hardware is available in several styles and finishes. All locking mechanisms are encased in galvanized steel reinforcement. Round-shaped metal handles are offered with interior/exterior grip. All of our components are perfectly tailored to each other and offer almost unlimited combination possibilities. All our hardware is designed and made in Germany.

MULTIPOINT LOCKING SYSTEM

A multipoint locking system provides optimum resistance and security against forced entry.

Euro-Handle

C-Handle

COLORS

Euro-Handle

BRASS

ANTIQUE BRASS

NICKEL

C-Handle

ALMOND

BLACK
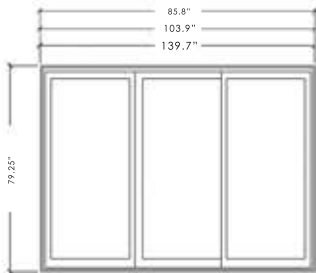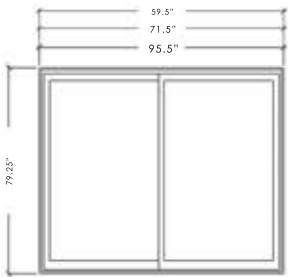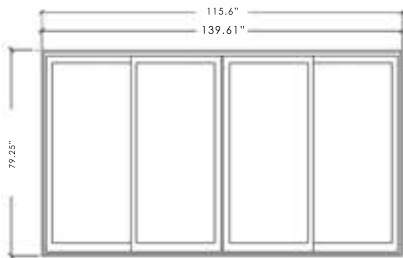
WHITE

MULTIPLE CONFIGURATIONS

This patio door series is available in 2-panel, 3-panel and 4-panel configurations, with a wide range of energy-smart glazing options and decorative grilles.

Integrated transom & sidelites available in various sizes and shapes

59.5"
71.5"
95.5"
79.25"

85.8"
103.9"
139.7"
79.25"

*Standard size may vary depending upon configuration

115.6"
139.61"
79.25"

INTERIOR COLORS

CHERRY DARK OAK LIGHT OAK PAINTABLE ALMOND WHITE

CUSTOM COLORS

Don't see the exterior color you need? Ask your authorized dealer about custom exterior paint.

EXTERIOR PAINT OPTIONS

BRONZE ROYAL BROWN COCOA RED GREEN ALMOND

ADVANCED PERFORMANCE

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Multiple combinations of glass packages are available to achieve maximum fenestration results

Custom Internal Blinds Feature

Enjoy the privacy and convenience of a cordless blind enclosed between panes of glass. A single-hand operator opens, closes and tilts the blinds. Privacy bars eliminate visibility into or out of your home, as well as reduce sun glare.

CLIMATE SOLUTIONS SYSTEM WARRANTY

Climate Solutions provides a transferable Lifetime Warranty on all 9000 Series Sliding Patio Door products

LIFETIME WARRANTY

AAMA NFRC MADE IN USA ENERGY STAR MADE IN CHICAGO