

# V300 Series

Commercial Vinyl  
Window Series



**QUAKER**  
COMMERCIAL WINDOWS AND DOORS



# V300 Series

## Commercial Vinyl Window Series

The V300 Series has been designed and engineered for low to mid-rise buildings where energy efficiency, durability, ease of maintenance and design flexibility are key requirements. The V300 offers a vinyl alternative to design professionals, builders and glazing contractors whose only options have been aluminum and wood. Quaker’s new V300 Vinyl Series provides greater design flexibility, energy savings and budget advantages.

## The Quaker Difference

### Structurally Enhanced Frame Design

The V300 windows have been designed with a 3-1/4" metal reinforced multi-chambered vinyl frame that is fusion welded for enhanced structural performance and durability. Because of its superior design, the V300 Series has achieved a commercial Performance Grade rating of CW50.

### Large Window Sizes

The V300 Series windows were not just tested to a standard gateway size, but achieved their CW50 rating based on their designed maximum size and weight. This means the Awnings (60"x32" and 32"x60"), Casements (36"x78") and Fixed (78"x78") will perform to the highest standard to meet your project needs.

### Structural Mulling System

Quaker not only offers a reinforced mulling option, but also 1/2" and 2" structural mulling options that allow you to combine larger window combinations while maintaining the structural strength and performance of the windows on much taller buildings than ever before with vinyl.

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### Impact Tested

The V300 has been Impact Tested, so you can use it with confidence as part of commercial projects in coastal and high wind regions of the country.

### Deep Glass Pocket

The V300 Series has been designed with a standard 1" – 1-1/4" glass pocket, as well as an optional 1-3/8" glass pocket to support thicker panes of glass to enhance thermal and sound “STC” performance.

### GBGs and SDLs

The V300 Series’ larger glass pocket allows for a variety of internal *Grids Between the Glass* (GBG) options, as well as offering a large variety of *Simulated Divided Lite* (SDL) combinations to create the perfect look for your building.

### Commercial Grade Hardware

The V300 Series uses only heavy-duty architectural hardware that is mounted into structural reinforced metal. This ensures that the V300 has the strength, aesthetics and durability you need and expect in every window.

### Contemporary Design / Exterior and Interior Colors

The V300 was designed with a squared off narrow site line to create a clean, contemporary look. In addition to a variety of popular exterior colors, Quaker can also match any color your project requires. Select a color for the exterior and a different color for the interior for architectural design flexibility.

### Nailing Flange / Subsill System

The V300 offers both integral nailing flange and subsill options, as well as a variety of interior and exterior trim packages to enhance project flexibility.

### Factory Installed Extension Jamb

The V300 Series also offers factory applied wood, primed, pre-finished white and composite extension jamb options for easy jobsite installation, saving both time and money.



## V300 Performance

AAMA/WDMA/CSA 101/I.S.2/A440-08 Rating			
	Awning	Casement	Fixed
	CW-PG50-AP	CW-PG50-CA	CW-PG50-FW
Test Size			
	Awning	Casement	Fixed
	60"x 32" / 32"x 60"	36"x 78"	78"x 78"
Structural Load			
	Awning	Casement	Fixed
	75.19 PSF	75.19 PSF	75.19 PSF
Air Infiltration Rate @50MPH			
	Awning	Casement	Fixed
	.01 cfm/ft²	.01 cfm/ft²	.01 cfm/ft²
Water Test Pressure			
	Awning	Casement	Fixed
	7.5 PSF	7.5 PSF	7.5 PSF
Units with Standard Low E and Argon			
	Awning	Casement	Fixed
CR	57-59	61-62	60-62
U Value	0.27	0.26-0.27	0.26-0.27
SHGC	0.27	0.26-0.27	0.34-0.35
Units with MAX Low E and Argon			
	Awning	Casement	Fixed
CR	46-47	48-50	48-50
U Value	0.23-0.24	0.23	0.21-0.22
SHGC	0.17	0.17	0.23



# A History of American Innovation

Since 1949 the Quaker Difference has been represented by a standard of quality, engineering, craftsmanship and innovation that Quaker builds into every commercial window and door. It is that attention to detail and manufacturing excellence that distinguishes Quaker from all other window and door companies in America.

## **Glass Systems to Satisfy Your Requirements**

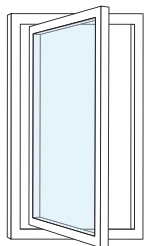
Select from a variety of Quaker Glass Packages to maximize energy savings, reduce STC, as well as add a distinct style to any building façade.

**Quaker Glass Packages** — EnergyBasic, Energy3S, EnergyPlus, EnergyMAX, Bronze and Grey

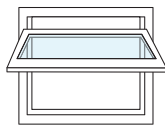
**Additional Available Glass** — Tempered, Obscure, Tinted and Clear

## **Architectural Paint Coatings and Finishes**

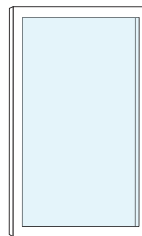
Quaker's high-performance, heat reflective exterior paint meets the AAMA 615-13 performance requirements. That is highest performance standard for vinyl paint. The finish is flawless thanks to adhesion-promoting additives and heat deflecting pigments that ensure fade-resistance and long lasting appearance.



Outswing  
Casement



Projected  
Awning



Fixed

Above illustration outside looking in.



Learn More About the V300  
[www.V300Windows.com](http://www.V300Windows.com)



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