

Vision® Air

The Vision front system is a glazing system without corner posts. When used with the Design window system, the two systems create not only an attractive design, but also completely unobstructed panoramic view.

Windows

Design is the most stable and quiet frameless system on the market. The Design window has no visible handles, and the absence of a frame creates the impression of uninterrupted glazing. The window system is unlocked by attaching a magnetic key from inside the balcony to a specific tab on the frame. The window is designed to be operated using one hand. Once the first window is folded inwards, the remaining windows can be pushed sideways until the balcony is fully open. When the windows are returned to the closed position, they are locked by simply removing the magnetic key from the tab.

Front

The main feature of the Design Air system is the tall window profile, with the main windows 800mm high from the floor. For safety a hand-rail is set at 1100mm high. The lower frame can consist of different materials, including coloured glass to alter the appearance and functionality of the unit. Glazing can be changed from inside the balcony, by a qualified technician. The hand-rail is available in a range of designs, to provide an attractive finish to the glazing. Aluminium profiles are available in any RAL colour.

Unique features

VentTec is a patented self-ventilating system that is designed to keep the glazing free from condensation and ensure fresh air can enter the balcony, even when the windows are closed.

Accessories

Balco provide a number of optional extras such as flowerpots, floor coverings, blinds, awnings, and LED lighting which can be used to enhance the new glazed balcony.



Maximum width per unit	5.4 m* / unit
Max height	2.8 m*
Noise reduction	~17 dB
Energy savings	~15%**
Window	Tempered glass, 6-8 mm
Parapet	Laminated glass or other composite material

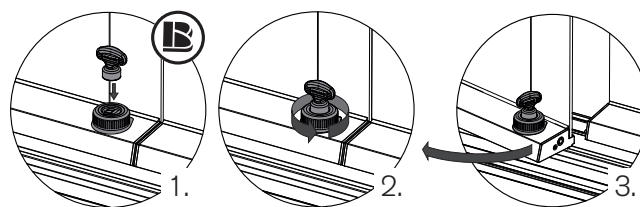
*The size is influenced by prevalent wind loads and national building regulations.

**Energy savings will vary and are influenced by the surroundings in which the balcony is placed.



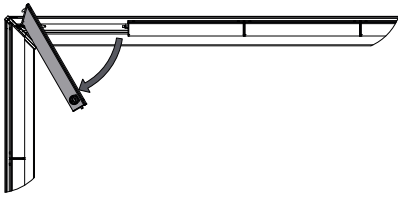
Magnetic key

Lock / Unlock with the magnetic key

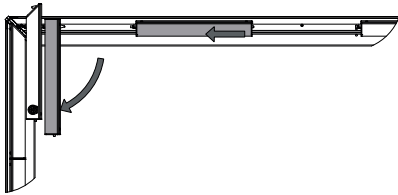


1. Place the magnetic key against the black knob on the area marked with "B" to unlock the window.
2. Turn the knob to release the locking pins.
3. Fold the window in.

This is how you open the windows



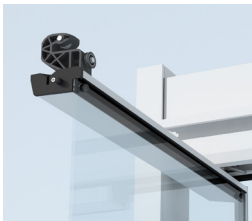
1. When unlocking the window (refer to Lock / Unlock with Magnetic Key Item 3, page 28), fold the door inwards.



2. Open the following window by sliding it all the way to the opening side and then pull it toward you. Repeat with the windows that follow slots until the entire balcony is open.

Repeat with the windows that follow slots until the entire balcony is open.

3. Repeat the above in reverse order to close the windows. To close the first window (the one with the knob) turn the locking knob and fold it back against the rail. Make sure the pins hook into the next window. NOTE! The window will not lock until you remove the magnetic key.



Swan neck



suspension carriage on the upper rail



Suspension carriage on the lower rail

The advantages of the Design window are that the mechanisms consist of fixed components, which move in relation to one another without sensitive small mechanisms. This means that the system is reliable and maintenance-free. Thanks to its solid construction and solid components, the system is very quiet to use. Each suspension carriage has three wheels with ball bearing wheels up and down, and this results in a stable, quiet passage and contributes to the stability of the window.



Vision Air. Cross section and drawing from the side.



Vision Air. Cross-section of corner post.