BLUE WEST
DESIGN ACOUSTIC
MOVABLE WALLS

For impressive space utilisation
For high quality solutions
For various applications

BLUE WEST GmbH

INTRODUCTION

An intelligent room dividing system with suspended **Acoustic Panel** that can be moved either horizontally or vertically for flexible management of **Space, Sight & Sound**.

Space:

Flexible, non-permanent space division solution.

Sound:

Maintain a level of acoustic privacy.

Sight:

Create visual & physical barriers.

Benefits of Movable Walls

- Substantial reduction in initial investment.
- Customized flexibility for multi functional layout.
- Cost optimization through energy conservation.
- Revenue generation through space variability.

INTRODUCTION

Application of Movable Walls

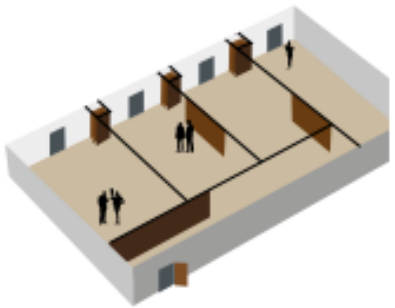
- ❑ Banquet halls
- ❑ Cafeteria
- ❑ Classrooms
- ❑ Auditoriums
- ❑ Airport lounge
- ❑ Studios
- ❑ Gym
- ❑ Restaurants
- ❑ Board rooms
- ❑ Home theater rooms
- ❑ Shop floors in factories
- ❑ Convention Centre
- ❑ Bars / discotheque / clubs
- ❑ Exhibition halls
- ❑ Meeting rooms
- ❑ Training rooms
- ❑ Church halls

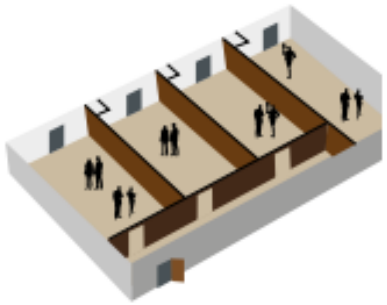
ANY AVAILABLE SPACE FOR SMART SPACE MANAGEMENT

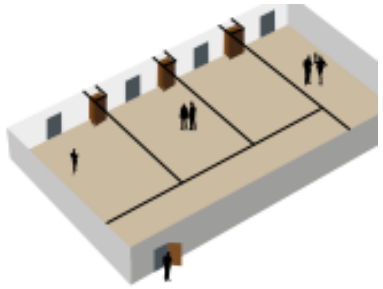
INTRODUCTION

CREATING SPACE WITHIN SPACE quick, easy & safe to manoeuvre by anyone.

Moveable – sometimes known as operable - walls were developed to optimize areas where space is at a premium. The movable wall is quick, easy and safe to manoeuvre by virtually anyone and therefore allows for numerous room configurations. The wall is composed of independent glazed or solid panels which slide smoothly on rollers along a top-hung aluminium rail without the need of a floor track. The wall is sealed either manually or automatically. The seal is flexible in its operation to allow for variations in floor and ceiling height and not only secures the wall from movement but provides excellent insulation against sound and temperature. Multiple tracking and parking configurations are available to help optimize available space. Each panel is composed of a galvanized steel sub-frame and aluminium outer frame. The panel may be double-glazed or have a solid fascia with a virtually unlimited choice of finishes including wood veneer, aluminium, laminate, melamine and fabric.







INTRODUCTION

DYNAMIC MANAGEMENT OF SPACE

Key Features

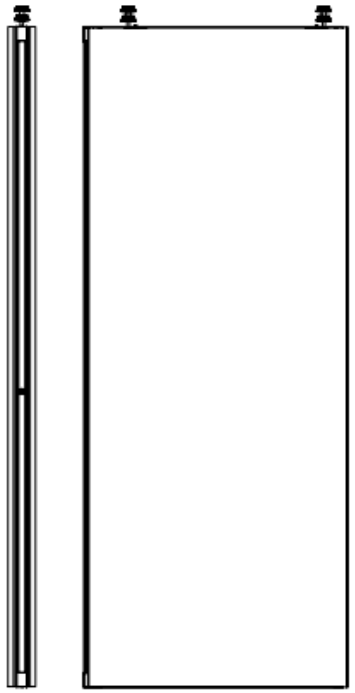
- Sound insulation: up to 57 dB as standard – Solid walls (Blue Fest).
- Sound insulation: up to 42 dB as standard – Double-glazed walls (Blue Klar).
- Fire Rating: EI2.30 (laboratory certified).
- Fire classification: EN13501-1 B-s2, d0 (laboratory certified).
- Unlimited metal coatings: including intumescent ink, galvanizing, anodizing, powder coating.
- Double-glazed units use 6mm toughened / tempered safety glass.
- No floor track – panels are hung by use of single or twin-point suspension system.
- Two, three or four way modules to enable multiple track configurations & stacking systems.
- Electronic seal by key-switch or quick-set half-turn manual mechanism.
- Unlimited finishes such as Veneers, HPL, MFC, Vinyl, Fabric, Paint, Glass.

QUICK, EASY & SAFE TO MANOEUVRE BY ANYONE

Our walls are designed with the customer in mind – precision made components ensure that panels glide effortlessly and quietly along aluminium guides so that space can be configured quickly, easily and safely by anyone.

BLUE FEST PANELS

STANDARD PANEL



MANUAL

Our Quick-Lock system allows the user to lock the panels quickly and safely after positioning. A simple half-turn of the handle seals the wall at the top and bottom to lock it from movement and to insulate it acoustically.

SEMI-AUTOMATIC

Our semi-automatic E-Lock system allows the user to fully lock the panels quickly and safely after positioning by way of an electronic key-switch. This allows the wall to automatically seal at the top and bottom to lock it from movement and to insulate it acoustically. The system runs by way of a quick-action worm screw driven by a 24v actuator powered by a protected power supply (certified fully for safety) battery back-up can be supplied for use in case of a cut in mains electricity.

FULL-AUTOMATIC

Our fully automatic i-Core system allows the user to position the wall automatically then lock and seal the panels quickly and safely by way of an electronic key-switch. Each panel is driven electrically along the track and contains a wireless two-way control unit which the master control is able to identify & communicate with. This allows the user to program such things as speed of closure and configuration as well as protecting the system in the event of power interruption. Battery back-up is supplied as standard.

Technical data

Dimensions			
Thickness in mm	116	122	134
Width in mm	840 - 1300		
Height in mm (max.)	11000		
Construction			
Finishes	MFC/MDF		
Element connections	Complementary geometry aluminium profiles (Positive - Negative)		
Operation			
Manual	●		
Semi-automatic	○		
Full automatic	○		

Suspension	Monodirectional / Multidirectional	
Technical features	Rw (dB)	Density (kg/m²)
Soundproofing to ISO 10140-2:2010*	42	39
	44	40
	47	45
	50	50
	54	55
	57	58

** Laboratory rate.*
In the Fully Automatic System, there is a need to have a segmented panel with a minimum height of 460mm.

● *Standard equipment*
○ *Option*

BLUE FEST PANELS

FIXED TELESCOPIC JAMP

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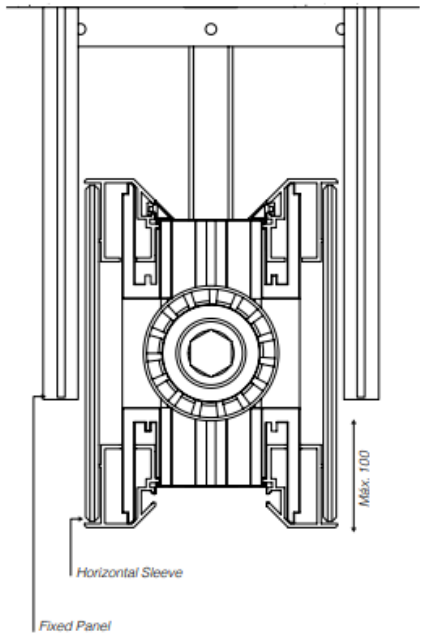

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Technical data

Dimensions			
Thickness in mm	116	122	134
Width in mm	840 - 1300		
Height in mm (max.)	11000		
Construction			
Finishes	MFC/MDF, Painted glass, Metal finishing, Plasterboard		
Element connections	Complementary geometry aluminium profiles (Positive - Negative)		
Operation			
Manual	●		
Semi-automatic	○		
Full automatic	○		

Suspension	Monodirectional / Multidirectional	
Technical features	Rw (dB)	Density (kg/m²)
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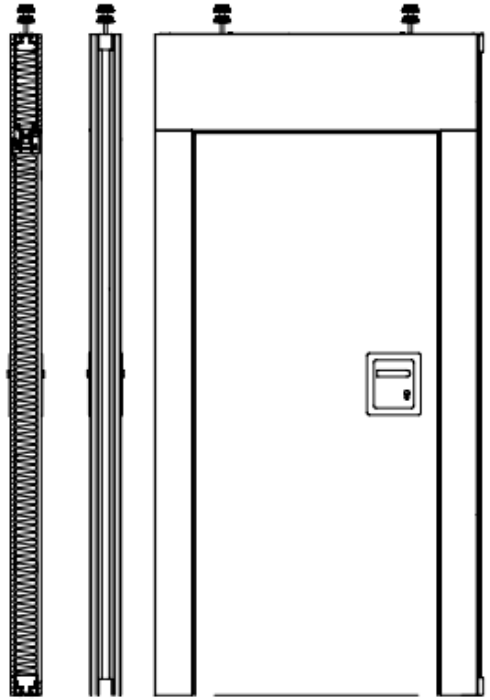
BLUE FEST PANELS

SINGLE INSET PASSDOOR



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Technical data

Dimensions			
Thickness in mm	116	122	134
Width in mm	850 / 900		
Height in mm (max.)	11000		
Width door panel in mm	1200 / 1250		
Construction			
Finishes	MFC/MDF		
Element connections	Complementary geometry aluminium profiles (Positive - Negative)		
Operation			
Manual	●		
Semi-automatic	○		
Full automatic	○		

Suspension	Monodirectional / Multidirectional	
Technical features	Rw (dB)	Density (kg/m²)
Soundproofing to ISO 10140-2:2010*	42	39
	44	40
	46	45

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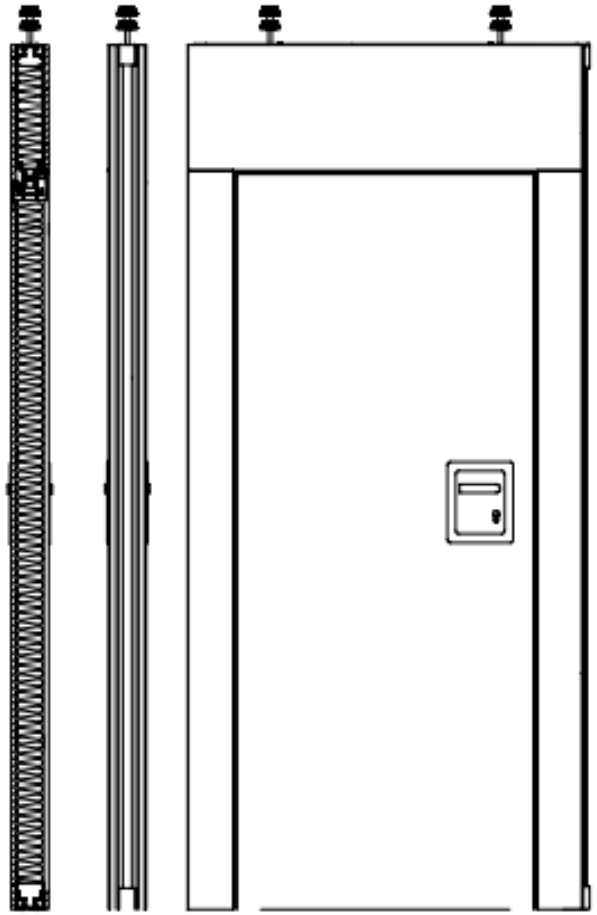
BLUE FEST PANELS

SINGLE INSET PASSDOOR



FRAME & HANDLES

Our inset pass doors are recognized as the most advanced design in the market. All our handles are manufactured in Germany from high-grade stainless steel to exacting standards. Choose a flush handle for solid doors required in areas allowing no protrusion or a pull handle for glazed doors and solid doors in less demanding environments.

HINGE SYSTEM

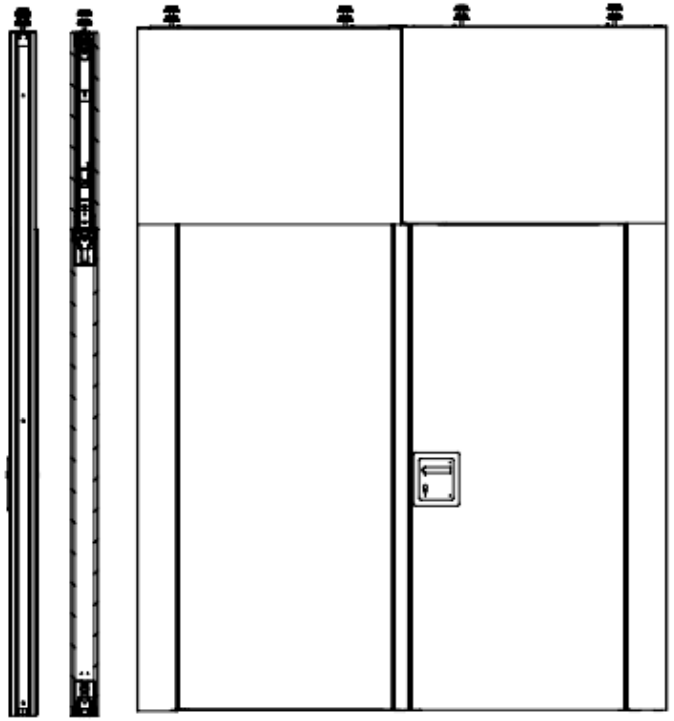
Our innovative concealed hinge allows full adjustment of the door in three dimensions. The hinge system offers superior engineering and quality with clean aesthetics unmatched by any other manufacturer.

CONTROL DETAILS

Low voltage electrical contacts are housed in our proprietary concave / convex aluminium profiles that guarantee ease of operation and an uninterrupted and safe electrical flow between the panels. The door is equipped with a pressure seal at the bottom, which extends automatically during the closing action of the door.

BLUE FEST PANELS

DOUBLE INSET PASSDOOR



Technical data

Dimensions			
Thickness in mm	116	122	134
Width in mm	850 / 900		
Height in mm (max.)	11000		
Width door panel in mm	1200 / 1250		
Construction			
Finishes	MFC/MDF		
Element connections	Complementary geometry aluminium profiles (Positive - Negative)		
Operation			
Manual	●		
Semi-automatic	○		
Full automatic	○		

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Suspension	Monodirectional / Multidirectional	
Technical features	Rw (dB)	Density (kg/m²)
Soundproofing to ISO 10140-2:2010*	42	39
	44	40
	47	45
	50	50
	54	55
	57	58

** Laboratory rate.*
In the Fully Automatic System, there is a need to have a segmented panel with a minimum height of 460mm.

● *Standard equipment*
○ *Option*

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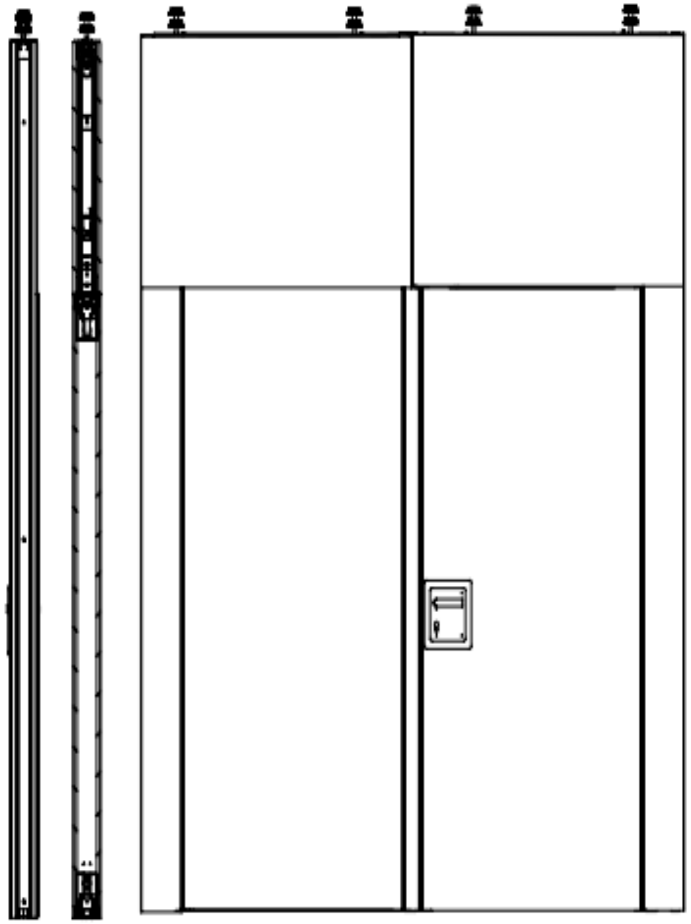

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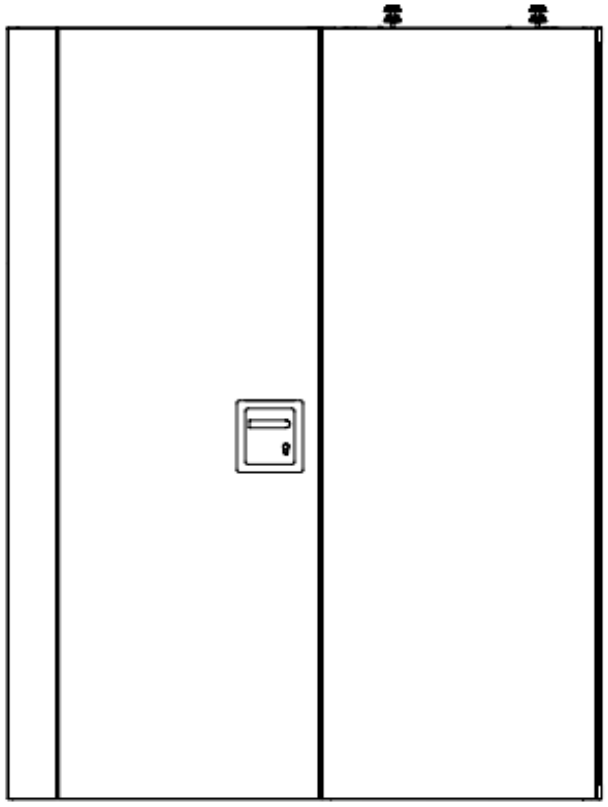
BLUE FEST PANELS

FULL-HEIGHT PASSDOOR



Technical data

Dimensions			
Thickness in mm	116	122	134
Width in mm	1050		
Height in mm (max.)	4000		
Construction			
Finishes	MFC/MDF		
Element connections	Complementary geometry aluminium profiles (Positive - Negative)		
Operation			
Manual	●		
Semi-automatic	○		
Full automatic	○		
Suspension	Monodirectional / Multidirectional		
Technical features	Rw (dB)	Density (kg/m²)	
Soundproofing to ISO 10140-2:2010*	42	39	
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BLUE FEST PANELS

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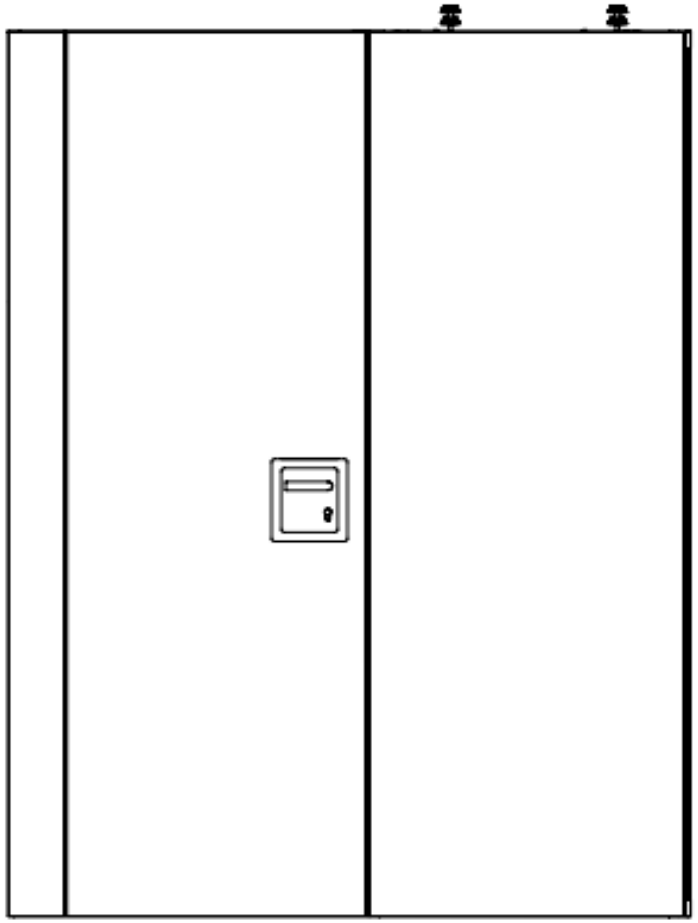

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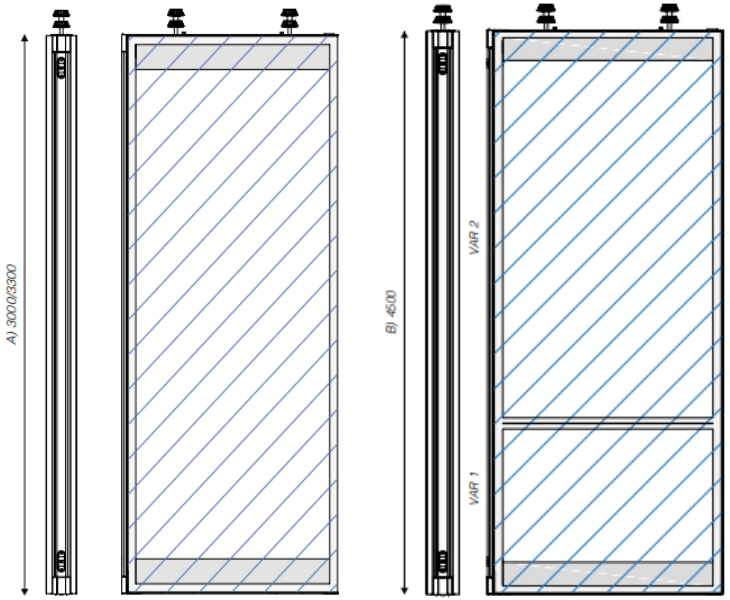
BLUE KLAR PANELS

GLAZED PANEL



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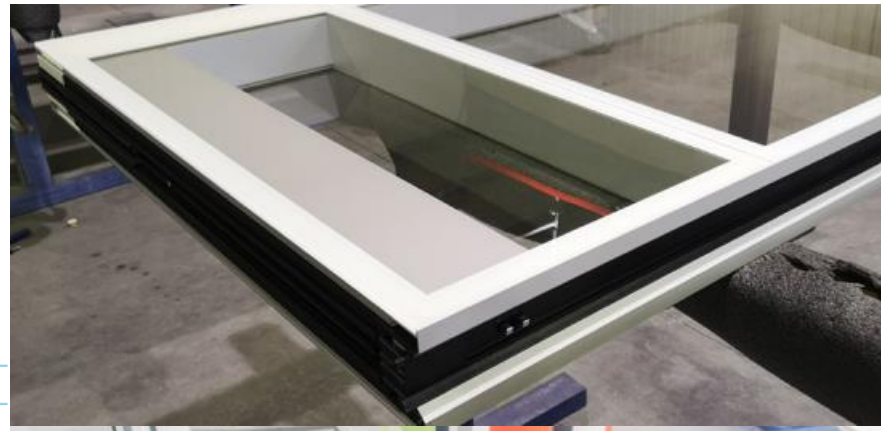

Technical data

Dimensions		
Thickness in mm	115	119
Width in mm	840 - 1300	
Height in mm (máx.)	A) 3000 / 3300	B) 4500
Construction		
Glazing	Tempered Glass / Laminated Glass	
Extras	Electrically controlled blinds, Magic Glass, Frosted Glass	
Element connections	Complementary geometry aluminium profiles (Positive - Negative)	
Frame profile		
Black/White	●	
Others	○	
Equipment details		
Semi-automatic	●	
Full automatic	○	

Suspension	Monodirectional / Multidirectional	
Technical specifications	Rw (dB)	Density (kg/m²)
Sound insulation according to ISO 10140-2:2010 standard*	44	39
	49	48

** Laboratory rate.*
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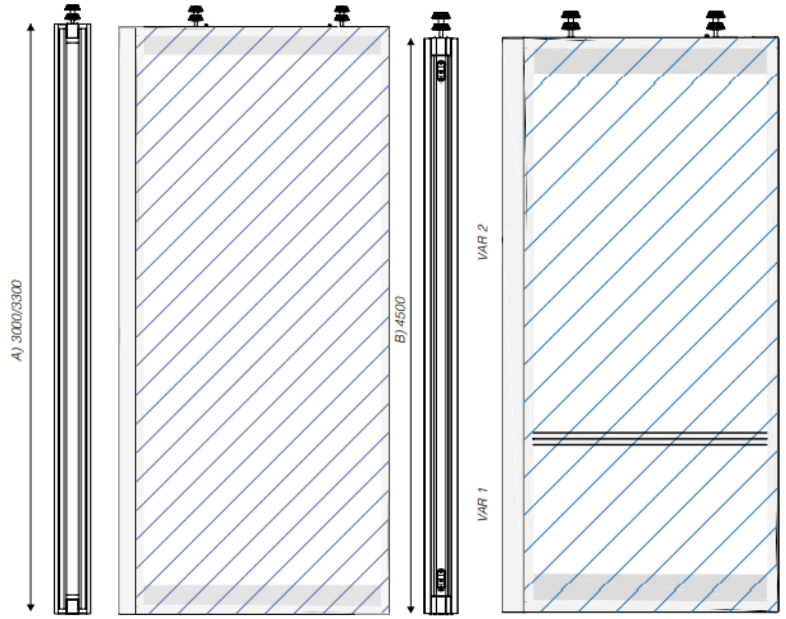
● *Standard equipment*
○ *Option*

BLUE KLAR PANELS

TELESCOPIC PANEL



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Extras	Electrically controlled blinds, Magic Glass, Frosted Glass	
Element connections	Complementary geometry aluminium profiles (Positive - Negative)	
Frame profile		
Black/White	●	
Others	○	
Equipment details		
Semi-automatic	●	
Full automatic	○	

Suspension	Monodirectional / Multidirectional	
Technical specifications	Rw (dB)	Density (kg/m²)
Sound insulation according to ISO 10140-2:2010 standard*	44	39
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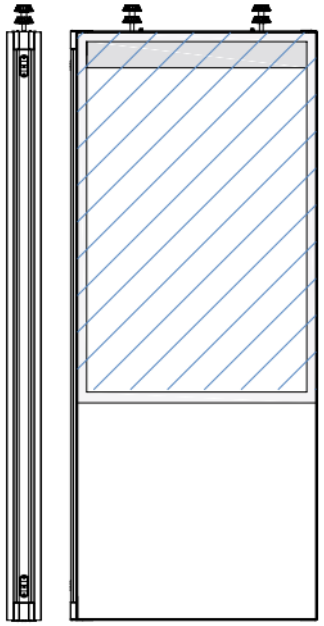
BLUE KLAR PANELS

MULTI



Technical data

Dimensions		
Thickness in mm	115	119
Width in mm	840 - 1300	
Height in mm (máx.)	3000	3500
Construction		
Possibility to alternate solid and glass coverings		
Glazing	Tempered Glass / Laminated Glass	
Extras	Electrically controlled blinds, Magic Glass, Frosted Glass	
Element connections	Complementary geometry aluminium profiles (Positive - Negative)	
Aluminum paint		
Anodized	●	
Black / White / Others	○	
Frame profile		
Black/White	●	
Others	○	
Equipment details		
Semi-automatic	●	
Full automatic	○	

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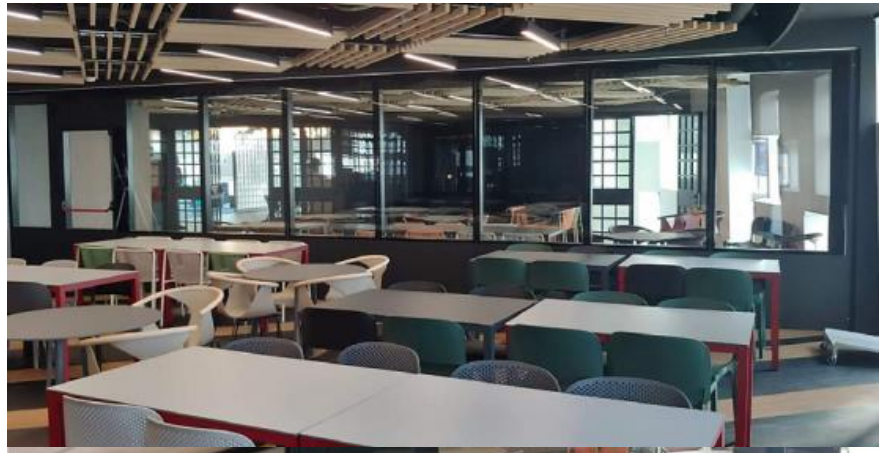

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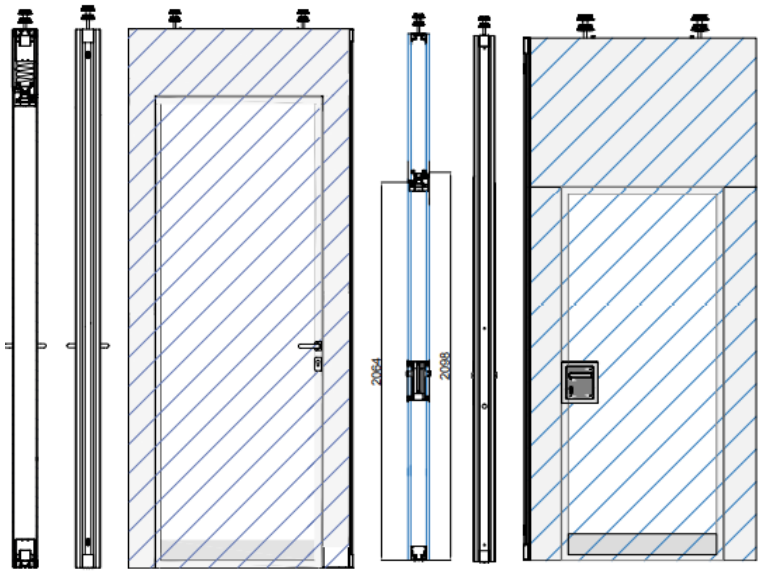
NOTE

This template can be used in the following options:

- Telescopic
- Full-height passdoor
- Single inset passdoor

BLUE KLAR PANELS

SINGLE INSET PASSDOOR



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Technical data

Dimensions		
Thickness in mm	115	119
Width in mm	850 / 900	
Height in mm (máx.)	3000 / 4500	
Width door panal in mm	1200 / 1250	
Construction		
Glazing	Tempered Glass / Laminated Glass	
Extras	Electrically controlled blinds, Magic Glass, Frosted Glass	
Element connections	Complementary geometry aluminium profiles (Positive - Negative)	
Frame profile		
Black/White	●	
Others	○	
Equipment details		
Semi-automatic	●	
Full automatic	○	

Suspension	Monodirectional / Multidirectional	
Technical specifications	Rw (dB)	Density (kg/m²)
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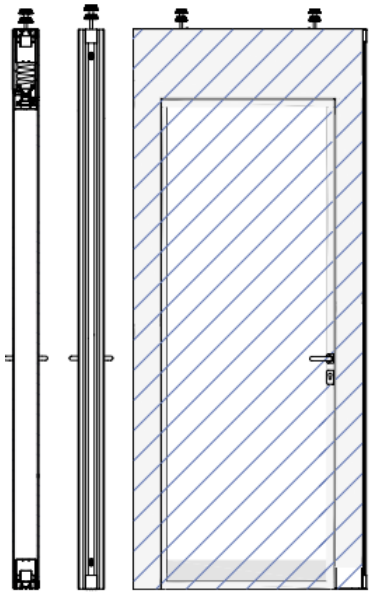
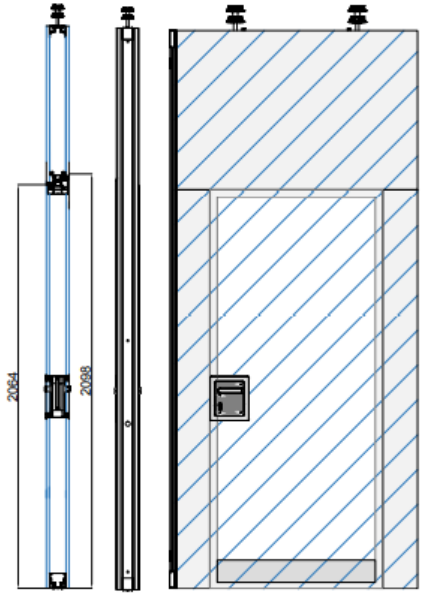
○ *Option*

BLUE KLAR PANELS

SINGLE INSET PASSDOOR





FRAME & HANDLES

Our inset pass doors are recognized as the most advanced design in the market. All our handles are manufactured in Germany from high-grade stainless steel to exacting standards. Choose a flush handle for solid doors required in areas allowing no protrusion or a pull handle for glazed doors and solid doors in less demanding environments.

HINGE SYSTEM

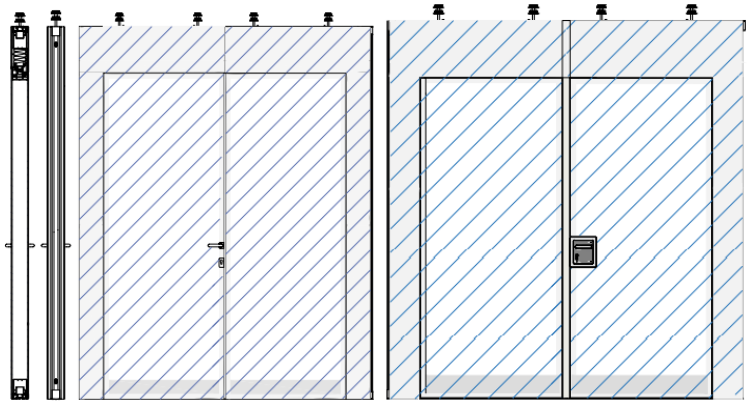
Our innovative concealed hinge allows full adjustment of the door in three dimensions. The hinge system offers superior engineering and quality with clean aesthetics unmatched by any other manufacturer.

CONTROL DETAILS

Low voltage electrical contacts are housed in our proprietary concave / convex aluminium profiles that guarantee ease of operation and an uninterrupted and safe electrical flow between the panels. The door is equipped with a pressure seal at the bottom, which extends automatically during the closing action of the door.

BLUE KLAR PANELS

DOUBLE INSET PASSDOOR



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SEMI-AUTOMATIC

Our semi-automatic E-Lock system allows the user to fully lock the panels quickly and safely after positioning by way of an electronic key-switch. This allows the wall to automatically seal at the top and bottom to lock it from movement and to insulate it acoustically. The system runs by way of a quick-action worm screw driven by a 24v actuator powered by a protected power supply (certified fully for safety) battery back-up can be supplied for use in case of a cut in mains electricity.

Technical data

Dimensions		
Thickness in mm	115	119
Width in mm	840 - 1300	
Height in mm (máx.)	3000 / 4500	
Width door panel in mm	1200/1250	
Construction		
Glazing	Tempered Glass / Laminated Glass	
Extras	Electrically controlled blinds, Magic Glass, Frosted Glass	
Element connections	Complementary geometry aluminium profiles (Positive - Negative)	
Frame profile		
Black/White	●	
Others	○	
Equipment details		
Semi-automatic	●	
Full automatic	○	

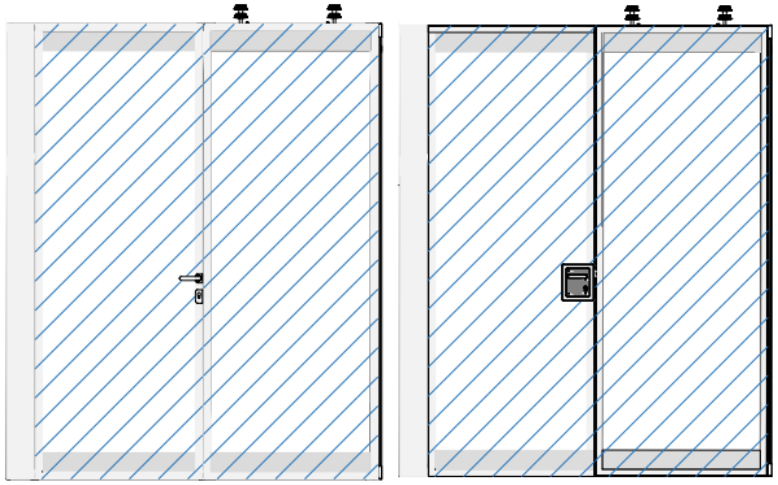
Suspension	Monodirectional / Multidirectional	
Technical specifications	Rw (dB)	Density (kg/m²)
Sound insulation according to ISO 10140-2:2010 standard*	44	39
	49	48

** Laboratory rate. In the Fully Automatic System, there is a need to have a segmented panel with a minimum height of 460mm.*

● *Standard equipment*
○ *Option*

BLUE KLAR PANELS

FULL-HEIGHT PASSDOOR



FRAME & HANDLES

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Technical data

Dimensions		
Thickness in mm	115	119
Width in mm	1050	
Height in mm (máx.)	3000	
Construction		
Glazing	Tempered Glass / Laminated Glass	
Extras	Electrically controlled blinds, Magic Glass, Frosted Glass	
Frame profile		
Black/White	•	
Others	○	
Equipment details		
Semi-automatic	•	
Full automatic	○	

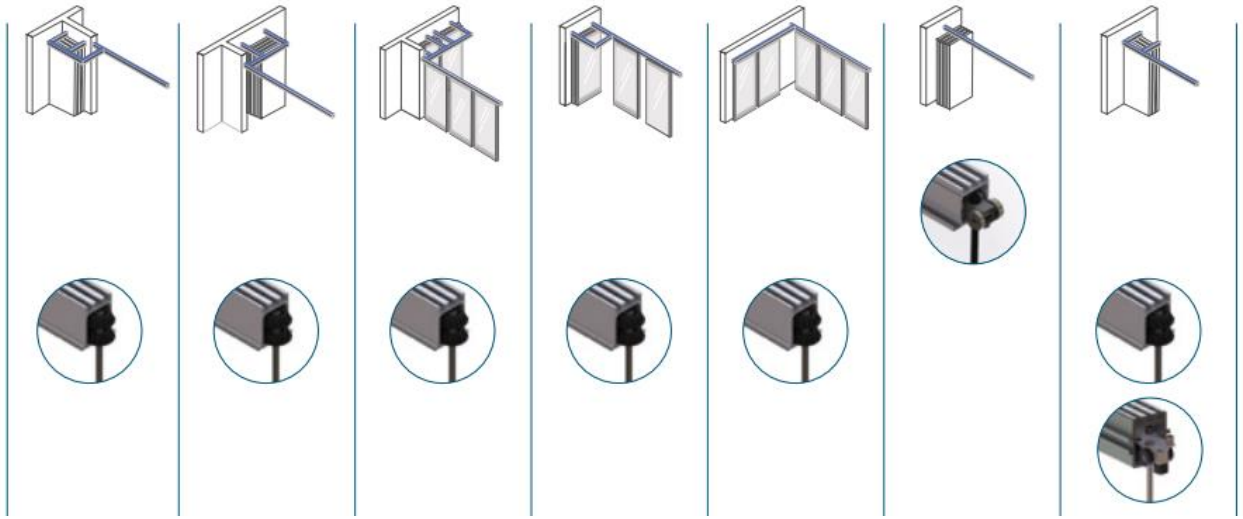
Suspension	Fixed	
Technical specifications	Rw (dB)	Density (kg/m²)
Sound insulation according to ISO 10140-2:2010 standard*	44	39
	49	48

** Laboratory rate.*
In the Fully Automatic System, there is a need to have a segmented panel with a minimum height of 460mm.

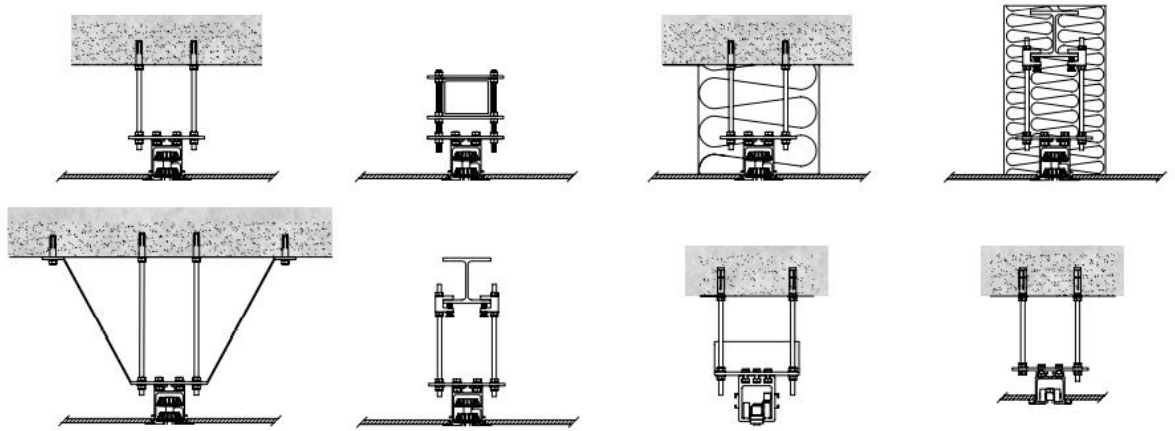
• *Standard equipment*
○ *Option*

CEILING TRACK, SUSPENSION TYPES AND STACKING SYSTEMS

Stacking Systems



Suspension type



Ceiling Track

TRACK TYPE UD
Uni–Directional
Aluminum track profiles extruded from architectural grade 6063-T6 alloy. Load bearing capacity: 358Kg per panel.

TRACK TYPE MDS
Standard
Multi–Directional
Aluminum track profiles extruded from architectural grade 6063-T6 alloy. Load bearing capacity: 453Kg per panel.

TRACK TYPE MDH
Heavy duty
Multi – Directional
Aluminum track profiles extruded from architectural grade 6063-T6 alloy. Load bearing capacity: 850Kg per panel.

ADDRESS:
Neuer Wall 71, c/o WorkRepublic
20354 Hamburg
Germany
TEL & FAX: +49 40 99 99 94 42 9
EMAIL: Info@bluewest.de

BLUE WEST GmbH