Vertically
actuated
partitions

DORMA Hüppe Varitec

Varitec.
The wall that comes out of the ceiling.

The salient feature of this vertical, automatically actuated partition system is that it can be stowed invisibly above the suspended ceiling for maximum space-saving efficiency. This is particularly useful if the layout design precludes the installation of a horizontally sliding partition due, for example, to the presence of narrow passage-ways.

The Varitec vertical partition from DORMA Hüppe is thus ideal for banks and foyers, shopfronts and malls, railway stations and airports – indeed wherever high security is required in conjunction with a modern appearance and/or where a movable wall is required for protection to people and property.

And the system is equally suited, of course, for canteen shutters, swimming pools, leisure facilities and much more. Depending on the purpose and design concept, the Varitec system can be equipped with either glass or aluminium elements.

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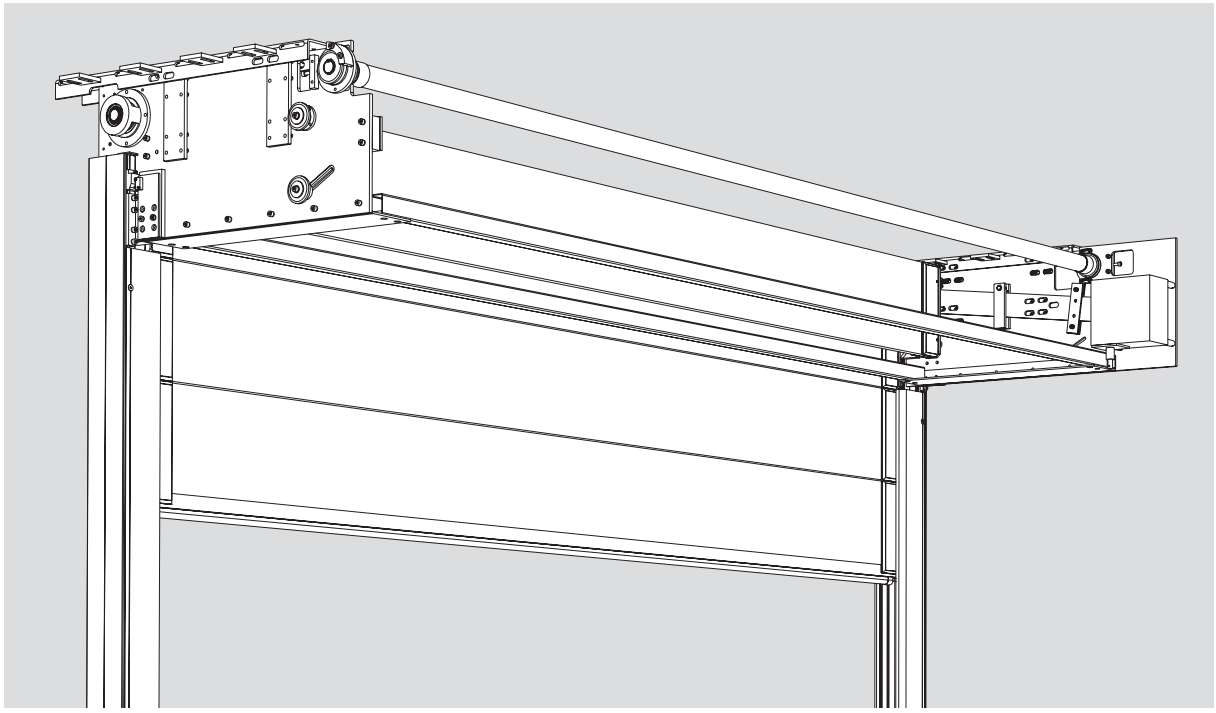
Features and benefits

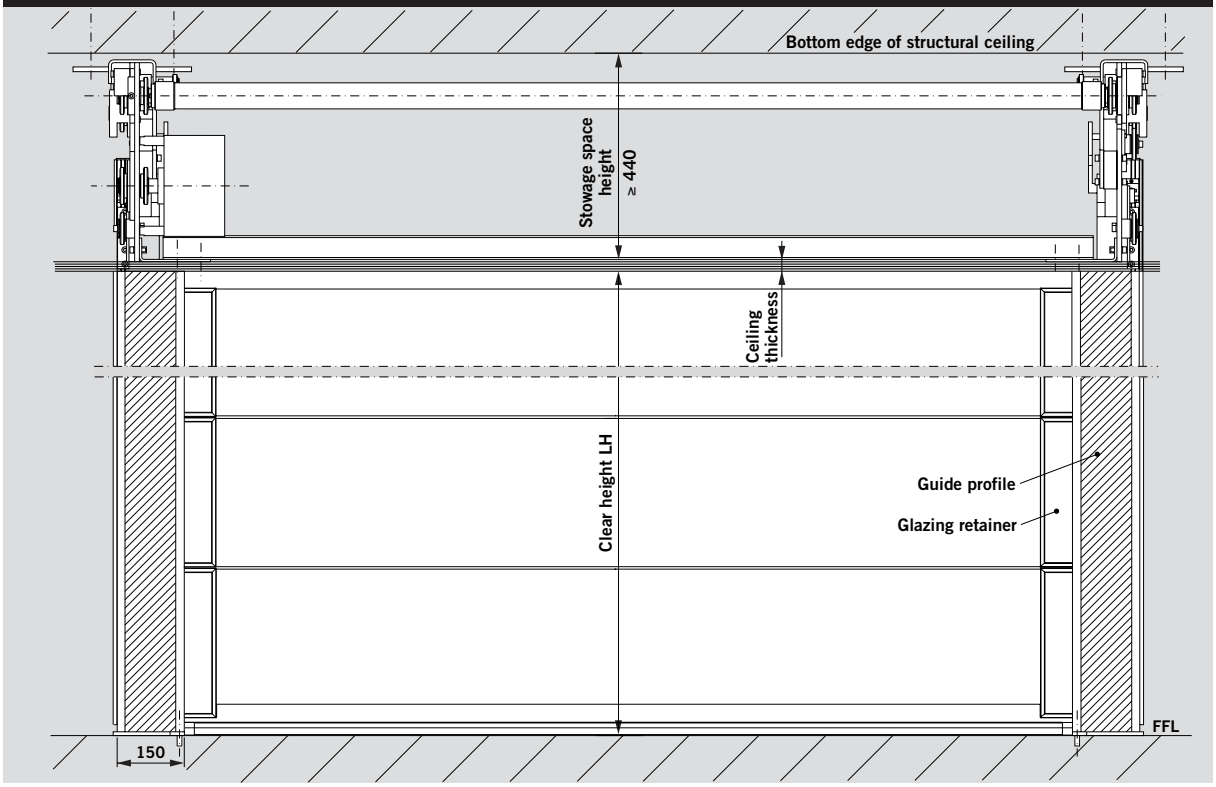
- The Varitec vertical partition from DORMA Hüppe comes with fully automatic control.
- Vertical guide profiles arranged either side of the partition ensure smooth operation with each element reliably located.
- Anti-fall protection (catching device) comes as standard.
- No floor track to detract from the overall visual elegance.
- The DORMA Hüppe Varitec partition offers anti-lift and anti-leverage protection to discourage intruders and prevent vandalism.
- Particularly narrow horizontal gaps between the elements to avoid the danger of fingers being trapped.
- The system immediately stops on contact with an obstruction.



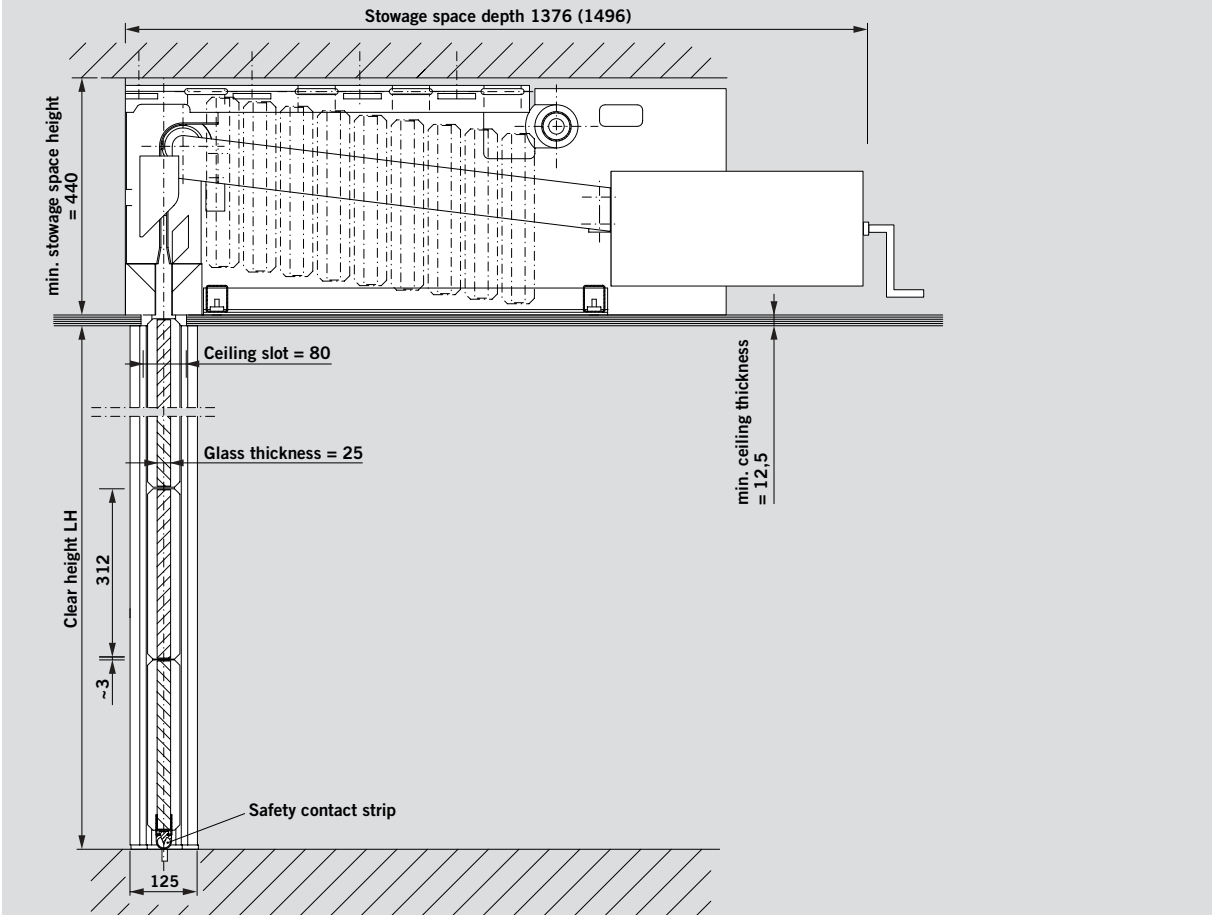
Varitec – Dimensions, data, functions	Varitec Glass		Varitec Aluminium	
Principle	Vertically actuated partition system with glass elements giving the uninterrupted appearance of total transparency		Vertically actuated partition system with interlocking aluminium elements	
Element guidance	Guide profiles arranged either side of the partition		Guide profiles arranged either side of the partition	
Stowage area	Above the suspended ceiling		Above the suspended ceiling	
Floor connection	Rubber strip with safety contact on the first segment, no floor-integral components		Rubber strip with safety contact on the first segment, no floor-integral components	
Height of elements	312 mm		276 mm	
Element thickness (standard)	25 mm		50 mm	
Anti-bandit Class B 3 with secure retention framing	28 mm with channel section profile		50 mm	
Number of segments (max.)	10	12	12	
Clear height (max.)	3150 mm	3780 mm	3350 mm	
Stowage magazine height (min.)	440 mm	455 mm	455 mm	505 mm for LB > 5000
Stowage space depth (min.)	1376 mm	1496 mm	1496 mm	
Clear width LB (max.)	3940 mm		6265 mm	Larger widths possible on application
Clear passage width (max.)	3610 mm		5935 mm	
Weight (max.)	65 kg/m² + 200 kg		25 kg/m² + 200 kg	
Operation	Automatic		Automatic	
Operating system	Control panel with display		Control panel with display	
Emergency operation	●		●	
Safety contact strip	●		●	
Anti-fall protection (catching device)	●		●	
Anti-lift protection	●		●	

● Standard

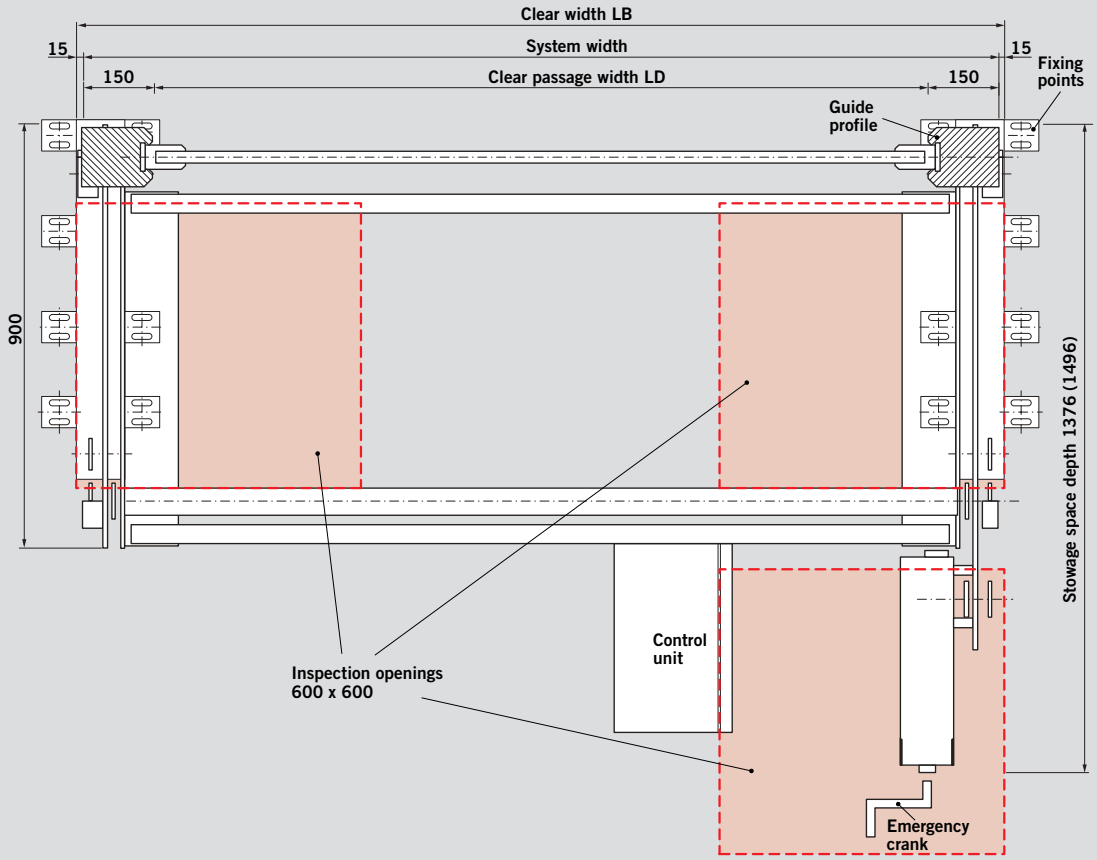
View – Varitec Glass



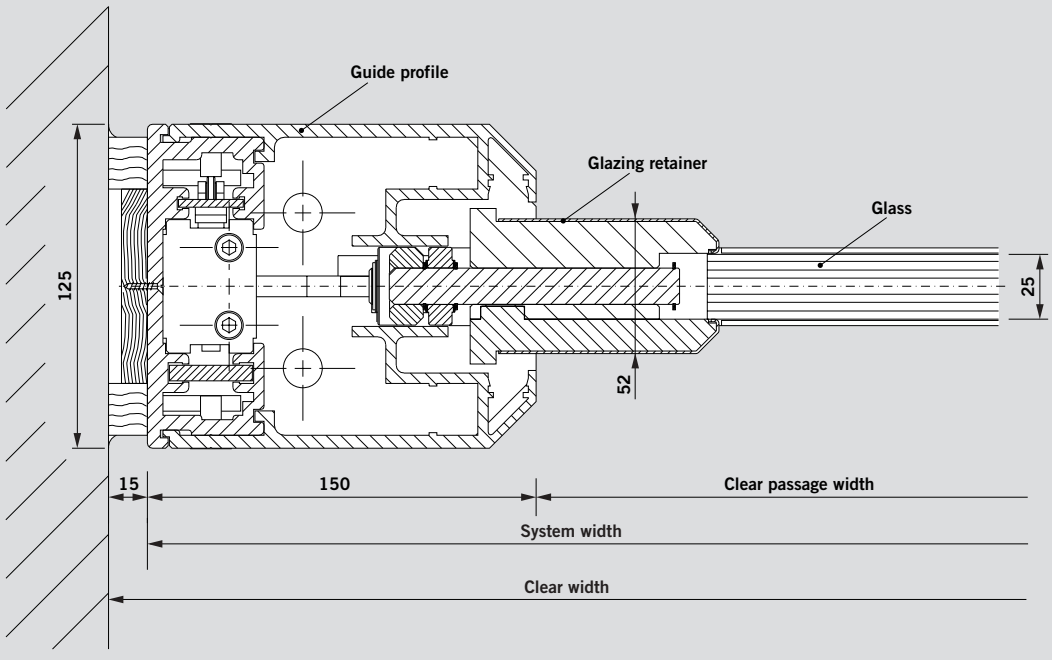
Cross section – Varitec Glass



Layout

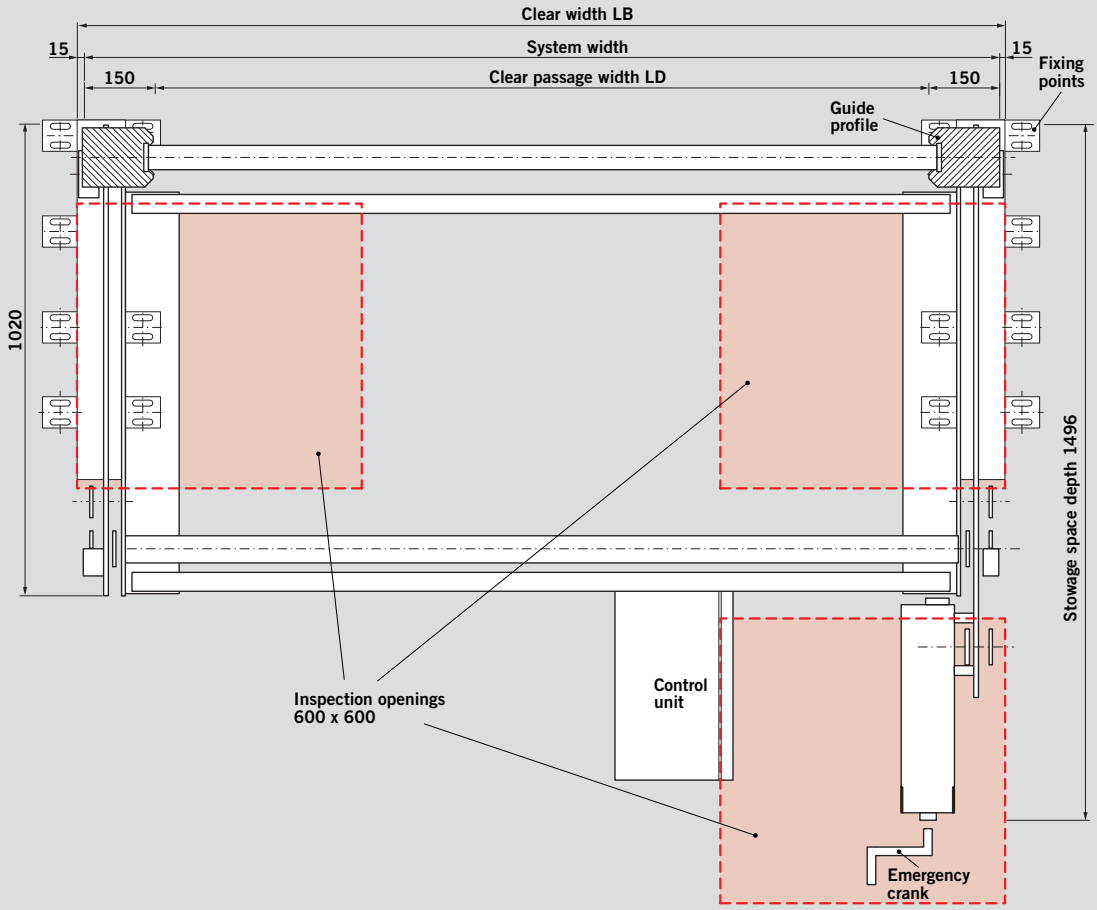


Constructional detail, guide column

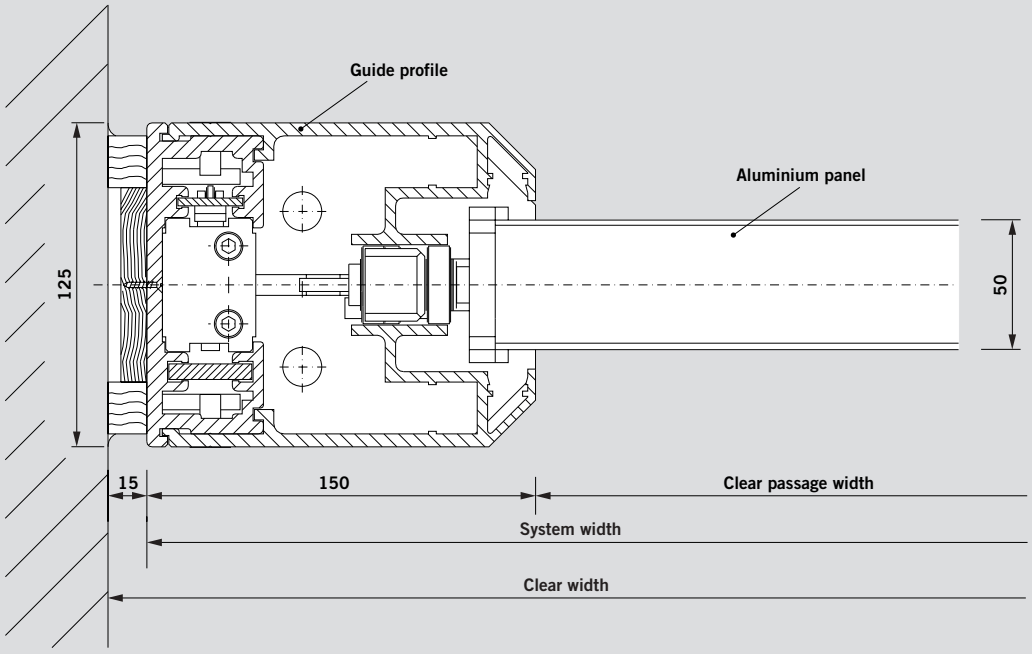


Varitec with attached mirrors

Layout



Constructional detail, guide column



Specification text Varitec Glass

Fully automatic, vertically actuated glass partition system comprising individual glass segments interconnected in the moving wall plane, with lateral guidance. The system operator and the stowage magazine are located above the suspended ceiling for space-saving efficiency.

System details:

– Stowage magazine and operator located in the cavity above the suspended ceiling (installation height min. 440 mm).
– Laminated safety glass (LSG 25 mm) enclosed at the vertical edges by multi-fastened clamping profile retainers.
– Horizontal glass elements (height per element 315 mm)
– Anti-fall protection (catching device)
– Safety shutdown mode instantly initiated by contact strip
– Horizontal element spacing less than 6 mm during partition movement (no pinch hazard)
– Elements permanently interconnected by a hoist chain
– Continuous electronic monitoring of the system functions
– Operation by pushbutton – "Deadman" control (two-handed) not permitted
– Operating and system status signals indicated on the control panel display
– Lateral guide rails coated in RAL colours.
– No rail or similar visible components on the floor

Electric drive unit and control system

The entire opening and closing operation of the glass partition is performed automatically by an electric drive unit (operator). The system therefore has to have a fail-safe control system and must be equipped with an electronic device for the permanent monitoring of all functions.

Operation

Operation of the partition is performed by a control panel to be supplied by bidder offering the functions "Open", "Stop" and "Close".
The operating and system status in each case is indicated on the display integrated in the control panel. In the event of a power failure, it must be possible to open and close the glass partition manually by hand crank.

Horizontal and vertical element connection

The elements feature ground and chamfered glass edges throughout.
The elements must already be firmly interlinked in the ceiling cavity at the point where they leave the stowage magazine and enter the travel guides.
The static and operating loads are to be transmitted for structural absorption via sliding retainers laterally located in a guide rail. When the partition is closed, the elements must be firmly connected to one another. The first (bottom) element must be fitted at its bottom edge with a safety contact strip.

Safety

In the event of the partition coming into contact with an obstruction in the wall plane, the system must be tripped and stopped immediately, i.e. without any coast-down.
The elements must be secured by a permanently effective catching device to prevent falling. All faults must be indicated on a control panel display. There must be no gaps between the travelling elements representing a pinch hazard (entrapment of fingers, for example).
The partition system offered must comply with German regulation ZH 1/494 and relevant statutory regulations of the country concerned. A valid TÜV/GS certificate (proving compliance with test standard DIN 31000) must be presented as verification of operational safety.

Installation of electrical cabling

Installation of a three-pole-and-earth socket as the power outlet (230 Volt/ 16 A) for the entire electronic control system, and also mounting of the control panel are services performed by others and must be carried out by a qualified electrician.
The work indicated is to be executed on the basis of a plan provided by the bidder. All electrical components must correspond with German VDE codes of practice or equivalent national standards.
The manufacturer of the partition system must have introduced and must operate a registered quality management system to (DIN) (EN) ISO 9001 and be able to confirm this with a valid certificate.
Certificate registration no.: ..... valid until .....

Item 1 ..... Nos. Partition wall system as described above
Clear opening width ..... mm
Clear height ..... mm
Height of suspension ..... mm
Weight of partition/m² ..... kg
Make .....
Type .....
Unit price: Euro ..... Total price: Euro .....
Unit price to include supply and installation ready for operation.

Specification text Varitec Aluminium

Fully automatic, vertically actuated partition system comprising individual aluminium segments interconnected and interlocking in the moving wall plane, with lateral guidance. The system operator and the stowage magazine are located above the suspended ceiling for space-saving efficiency.

System details:

– Stowage magazine and operator located in the ceiling cavity (installation height min. 455 mm; for clear widths > 5000 mm, installation height 505 mm).
– Aluminium elements (50 mm thick) held at their vertical edges by clamping profile retainers.
– Horizontally interlocking aluminium elements (height per element 325 mm, optical pitch 276 mm).
– Elements interlinked on transfer from the stowage magazine into the wall plane.
– Elements and Lateral guide rails coated in RAL colours.
– No rail or similar visible components on the floor
– Operation by pushbutton – "Deadman" control (two-handed) not permitted
– Operating and system status signals indicated on the control panel display
– Safety shutdown mode instantly initiated by contact strip
– Continuous electronic monitoring of the system functions
– Anti-fall protection (catching device)

Electric drive unit and control system

The entire opening and closing operation of the partition is performed automatically by an electric drive unit (operator). The system therefore has to have a fail-safe control system and must thus be equipped with an electronic device for the permanent monitoring of all functions.

Operation

Operation of the partition is performed by a control panel to be supplied by bidder offering the functions "Open", "Stop" and "Close".
The operating and system status in each case is indicated on the display integrated in the control panel. In the event of a power failure, it must be possible to open and close the partition manually by hand crank.

Horizontal and vertical element connection

The elements must already be interlinked and interlocking in the ceiling space. The static and operating loads are to be transmitted for structural absorption via sliding retainers laterally located in a guide rail that firmly interlink the elements when the wall is closed. The first (bottom) element must be fitted at its bottom edge with a safety contact strip.

Safety

In the event of the partition coming into contact with an obstruction in the wall plane, the system must be tripped and stopped immediately, i.e. without any coast-down.
The elements must be secured by a permanently effective catching device to prevent falling.
All faults must be indicated on a control panel display.
There must be no gaps between the travelling elements representing a pinch hazard (entrapment of fingers, for example).
The partition system offered must comply with German regulation ZH 1/494 and relevant statutory regulations of the country concerned. A valid TÜV/GS certificate (proving compliance with test standard DIN 31000) must be presented as verification of operational safety.

Installation of electrical cabling

Installation of a three-pole-and-earth socket as the power outlet (230 Volt/ 16 A) for the entire electronic control system, and also mounting of the control panel are services performed by others and must be carried out by a qualified electrician.
The work indicated is to be executed on the basis of a plan provided by the bidder. All electrical components must correspond with German VDE codes of practice or equivalent national standards.
The manufacturer of the partition system must have introduced and must operate a registered quality management system to (DIN) (EN) ISO 9001 and be able to confirm this with a valid certificate.
Certificate registration no.: ..... valid until .....

Item 1 ..... Nos. Partition wall system as described above
Clear opening width ..... mm
Clear height ..... mm
Height of suspension ..... mm
Weight of partition/m^2 ..... kg
Make .....
Type .....
Unit price: Euro ..... Total price: Euro .....
Unit price to include supply and installation ready for operation.

DORMA

Integrated systems.

DORMA's system approach and comprehensive portpolio for partition and door applications means that the step from planning idea to successful realisation is but at short one. Your benefit: ideal solution for your clients every time.

Door Control

Automatic

Glass fittings and Accessories

Security/Time and Access (STA)

Movable Walls

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