

SCHÜCO

# Schüco Interior AP VS 43 ST

The innovative aluminium partition wall system



# MAXIMUM TRANSPARENCY WITH AS FEW PROFILES AS POSSIBLE

With the innovative Schüco Interior AP VS 43 ST aluminium partition wall system and as a specialist in system solutions for windows, doors and façades, Schüco is opening up a new dimension in the interior design of contemporary office and living spaces.

The system is based on the in-house Schüco development of the innovative, universal infill fixture, which enables different infill materials to be combined together in a single profile. Thanks to its very narrow profile face width of just 43 millimetres, the visionary partition wall system achieves maximum transparency to satisfy individual design requirements, ensuring any requirements for open-plan concepts, modern architecture as well as flowing, natural light can be met.



Thanks to its modular design, the visionary partition wall system opens up new possibilities in interior design. With a maximum height of up to 4000 millimetres and 3500 millimetres including safety barriers, a wide variety of requirements can be met on a project-specific basis – from office and meeting rooms to hotel facilities and private living areas, or their demarcation from a home office.



The optimised number of profile types means that stock levels can be kept low and the modular system can be installed efficiently and easily on site. What's more, this helps to satisfy the demand for sustainability and conservation of resources, e.g. due to the option of replacing infill materials of the same thickness at a later stage.



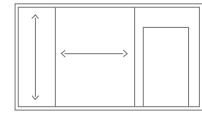
# THE POWER OF LIGHTNESS

One system – countless possibilities. Create new spaces or reorganise existing ones. Unrestricted transparency or transparency to suit requirements. The Schüco Interior AP VS 43 ST partition wall system allows you to be as creative as you like when designing contemporary and functional interiors.

The universal infill fixture allows you to use a wide variety of materials side by side and in combination with one another. Thanks to the concealed cable guides, any screens, panels or electronic access systems you wish to install can be wired up in a way that does not spoil the design. Sun shading and screening systems, shelves and functional items of furniture can be easily integrated into the specially developed profile geometries.

Thanks to the new composition of the glass door with its sandwich construction, project-specific sound reduction requirements can also be realised in the door area.

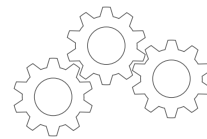




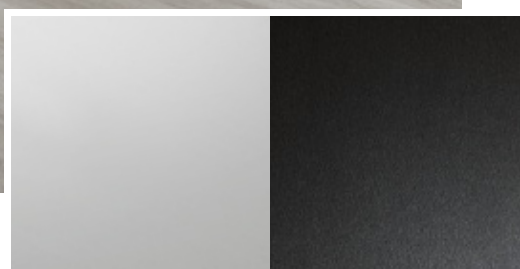
- Maximum versatility with as few profile types as possible



- Maximum transparency for individual design requirements thanks to the very narrow profile face widths



- A single system for a wide variety of construction requirements



Stylish profile surface finishes E6/EV1 aluminium, silver anodised, or E6/C35 black anodised. Powder coating and other surface finishes are available on request.



A variety of infill materials can be used, such as glass, wood, aluminium or acoustic units.



# A NEW DIMENSION IN INTERIOR DESIGN



A

B

C

D

Transparency, far-reaching views and natural daylight are essential to make a space feel open. This is true of both offices and conference rooms as well as private homes. Spaces that complement each other but can also be separated from one another open up new possibilities in interior design.

The innovative Schüco Interior AP VS 43 ST partition wall system meets all the needs of contemporary working environments and lifestyles. The unique degree of versatility and outstanding functionality combine maximum design freedom with maximum fabrication efficiency and cost-effectiveness.

*Spotlight on product benefits*



- A Modular design**  
Unlimited design possibilities with a maximum height of up to 4000 mm (3500 mm including safety barriers)
- B Narrow profile face widths**  
Elegant, narrow profile face widths of just 43 mm for attractive designs
- C S - L - XL glass thicknesses**  
S: 10.0 - 17.5 mm  
L: 28.0 - 35.5 mm  
XL: 37.5 - 45.0 mm  
A range of different infill thicknesses can be used
- D Wide range of infill materials**  
Glass, wood, aluminium, metal or acoustic units – materials of the same thickness can be easily combined together
- E Stylish surface finishes**  
E6/C35 black anodised as well as E6/EV1 aluminium, silver anodised. Powder coating and other surface finishes are available on request
- F Enhancements**  
Internal screening systems, shelves such as Schüco Smartcube, as well as items of furniture can be integrated
- G Sound reduction**  
New glass door with sandwich construction to realise project-specific sound reduction requirements
- H Possible door sizes**  
Conventional standard widths and heights up to a maximum system height of 3500 mm – taking into account the hinge solution used
- I Internal wiring**  
Integrated cable guide for the installation of screens, panels or electronic access systems in a way that does not spoil the design



# INFINITE POSSIBILITIES WITH A SINGLE SYSTEM



Find out more about our new partition wall system.





## Planning benefits:

- Thanks to its very narrow profile face width of just 43 millimetres, the visionary partition wall system achieves maximum transparency to satisfy individual design requirements, ensuring any requirements for open-plan concepts, modern architecture as well as flowing, natural light can be met.
- Realisation of project-specific requirements in terms of sound reduction, stability, as well as the ability to integrate electronic components – all combined in a single system.
- New dimension in interior design thanks to the modular system as well as a wide choice of opening types for the partition wall system with a maximum possible system height of up to 4000 mm (3500 mm including safety barriers).
- Depending on the material and project-specific requirements, a variety of infill thicknesses can be used.
- The minimal use of different profile types and the option of replacing infill materials of the same thickness at a later stage help to satisfy the demand for sustainability and conservation of resources.
- Thanks to an integrated, concealed cable guide, any screens, panels or electronic access systems you wish to install can be wired up in a way that does not spoil the design.

## Fabrication benefits:

- Maximum versatility with as few profile types as possible due to the innovative and universal infill fixture, which allows a wide variety of materials of the same thickness to be combined together in a single basic profile.
- Efficient and easy on-site installation thanks to the innovative infill fixture developed by Schüco, which significantly reduces the time and personnel required for installation.
- Stock levels can be kept low due to the optimised number of profile types, which helps to satisfy the demand for sustainability and conservation of resources, as well as the option of replacing infill materials of the same thickness at a later stage.
- Reduction in complexity on the construction site due to the optimised number of profiles – can also be used on small construction sites.
- A variety of door hinge solutions can be used – adapted to individual requirements.
- New system dimensions offer numerous possibilities with a maximum system height of up to 4000 mm (3500 mm including safety barriers).

# INNOVATIVE TECHNOLOGY IN EVERY DETAIL

The Schüco Interior AP VS 43 ST partition wall system offers maximum versatility with as few profiles as possible. It is backed up by perfect and innovative technology: from the universal infill fixture and specially developed profile geometries to an integrated cable guide and uncomplicated installation, the system meets all the requirements for the design and implementation of contemporary and functional interiors.

## Universal infill fixture for individual design

The innovative infill fixture, an in-house Schüco development, offers maximum versatility: a wide variety of materials of the same thickness can be used together in a single basic profile. This technology now also enables project-specific requirements to be combined together in a single system, e.g. soundproofed rooms adjacent to rooms without soundproofing.



The aluminium partition wall system is based on the in-house Schüco development of the universal infill fixture



Use of single-pane safety glass with the universal infill fixture in the basic profile



Use of sound reduction insulating glass with the universal infill fixture in the basic profile



## A comparison of the system properties of the different versions

	Schüco Interior AP VS 43 ST S	Schüco Interior AP VS 43 ST XL
Profile face width	43 mm	43 mm
Basic depth	39.5 mm - 47.0 mm dependent on the infill thickness	67.0 mm - 74.5 mm dependent on the infill thickness
Maximum system height	4000 mm	4000 mm
Maximum system width	Unrestricted	Unrestricted
Infill thicknesses that can be used	10.0 - 17.5 mm	37.5 - 45.0 mm
Maximum safety barrier system dimensions (including load-bearing profile) as LSG made from 16.76 mm float glass	Height: 3500 mm, width: 1500 mm	Use of insulating glass pending
Minimum safety barrier system dimensions (including load-bearing profile) as LSG made from 16.76 mm float glass	Height: 2000 mm, width: 500 mm	Use of insulating glass pending
Installation options	Wall, floor, ceiling, 90° room corner, T-joint	Wall, floor, ceiling, 90° room corner, T-joint
Infills that can be used	Glass (TSG, LSG), wood and composite materials	Insulating glass, wood and composite materials
Sound reduction	40 dB	45 dB (according to DIN EN ISO 10140-2)
Hinge technology	Visible and concealed hinges	Concealed hinges

## Selection of possible door leaves and door hinges

A wide variety of hinge designs can be used to satisfy various project-specific construction requirements.



Standard hinge for S basic frame profile



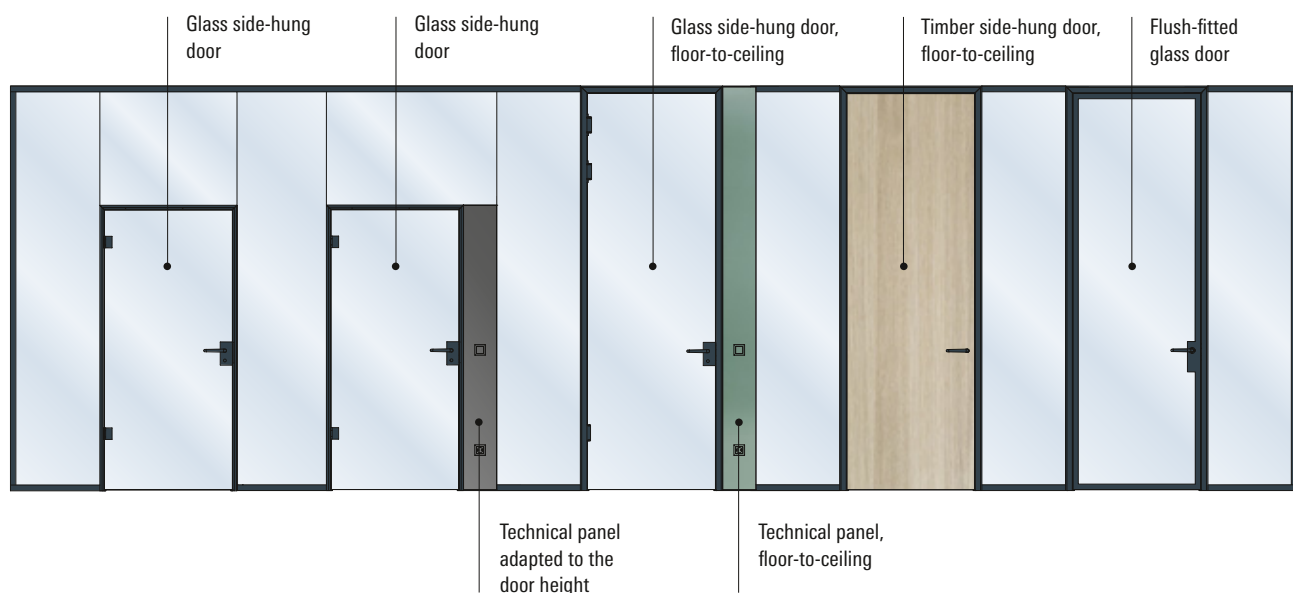
Concealed hinge for S - L - XL premium frame profile for flush-fitted glass doors



Concealed hinge for S - L - XL premium frame profile for timber doors

## Variety of opening types for maximum design freedom

Variety of opening types offers individual design options for the realisation of project-specific construction requirements.





### **Schüco – system solutions for windows, doors and façades**

Based in Bielefeld, the Schüco Group develops and sells system solutions made of aluminium, steel and PVC-U for building envelopes. Its product portfolio comprises window, door, façade, ventilation, security and sun shading systems. Intelligent and networked products complete the range available for residential and commercial projects. Schüco also provides consultancy and digital solutions for all phases of a building project – from the initial idea through to design, fabrication and installation, as well as after sales with maintenance and servicing. Fabrication machinery and customer-oriented service complement the product portfolio. Sustainability is a significant part of the business model. For example, the circular construction industry with closed material cycles is one of six defined focus areas for sustainability. Founded in 1951, the company is now active in more than 80 countries and achieved a turnover of 1.995 billion euros in 2021 with 6330 employees. For more information, visit [www.schueco.com](http://www.schueco.com)

**Schüco Interior Systems KG** sells furnishing systems made of aluminium for holistic interior designs. The Schüco partition wall, shelving and furniture systems are multifunctional and can be used flexibly in almost any situation. For more information, visit [www.schueco.com/interior-systems](http://www.schueco.com/interior-systems)

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