



Operable Partition Systems

flexifold



With its presence in the operable partition market for over 30 years, Flexifold is a leading manufacturer for operable partitions and have installed over 2,000 projects in the Southeast Asia region.

Our dedication towards craftsmanship excellency has gained the approval of many of our clients and have successfully redefined a new standard in acoustical engineering.

We are a group of experts who are particularly interested in developing world renowned operable partition systems . We take pride of our one stop service from technical consultation, design, manufacture, installation to after sales maintenance.

flexifold

Series

So what are you looking for?

Operable partition series:

	F-100	S-100	G-100	WP-100	HA-150	SL-65
Surface Panels	MDF boards (15mm thick)	1mm thick steel plate cladding with plaster board backing	Tempered glass (10mm thick)	High pressure waterproof plastic boards	MDF boards (21mm thick)	Particle boards (10mm thick)
Configuration	Individual	Individual	Individual	Individual	Individual	Individual
Operation	Manual Semi-automatic Fully-automatic	Manual Semi-automatic Fully-automatic	Manual Semi-automatic Full-automatic	Manual	Manual Semi-automatic Full-automatic	Manual
STC (dB)	42 - 51	42 - 51	38 - 42	30 - 38	52 - 55	30
Suspension	1 / 2 rollers	1 / 2 rollers	1 / 2 rollers	1 / 2 rollers	1 / 2 rollers	1 or 2 rollers
Max Height	15m	15m	4m	12m	10m	5m
Sound Seals	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Weight (kg/m²)	45 - 70	45 - 70	80	49	85	30
Panel Thickness	100mm	100mm	100mm	100mm	150mm	65mm
Built-in Passdoors	Available	Available	Available	Available	Unavailable	Available
Curved Panels	Segmented curve	Segmented curve	Segmented curve	Straight	Straight	Straight
Fire Protection		Non-combustible				
Vision Panels (Multiple shapes)	Available	Available	Unavailable	Available	Unavailable	Available
Final Surface Finishes	<u>Standard finish</u> Bare finish <u>Custom finish</u> All common interior design finishes	<u>Standard finish</u> Bare finish <u>Custom finish</u> All common interior design finishes	<u>Standard finish</u> Vinyl decal <u>Custom finish</u> Silkscreen printing, clear, sanded or with pattern	Aluminum composite panels with PVF II coating	<u>Standard finish</u> Bare finish <u>Custom finish</u> All common interior design finishes	<u>Standard finish</u> Bare finish <u>Custom finish</u> All common interior design finishes
Waterproof	Unavailable	Unavailable	Available	Available	Unavailable	Unavailable

Every room is unique. That's why you deserve a set of operable wall partitions that can transform a room to your every need. Perhaps you are looking for an aesthetic design element in your partitions, or you are looking for superb acoustic integrity. Maybe your utility requires robust partitions that are waterproof. Or after all, you are just looking for simplicity and versatility in your partitions. Whatever you need, there's a Flexifold partition that is right for you.

F-100

I'm looking for simplicity

F-100 Series

Classic design with easy maneuverability

The design philosophy behind our F-100 series is to build a product that is simple, versatile and deliver excellent sound insulation. F-100 partitions are constructed with heavy duty aluminum and steel frames providing a robust and flexible solution for your room division needs.



Shangri-La Hotel, Pazhou



Macau Polytechnic Institute, Macau



Sheung Wan Civic Centre, Hong Kong



Macau Tower, Macau

Key Benefits

Easy to use

F-100 series uses our Type B roller system allowing our partitions to glide as smooth as butter. Our partitions can also be upgraded with semi-automatic options.

Sound insulation

Acoustic performance up to STC 52 (ISO 140-3:1995) and FSTC 45 (IOA certified)

Versatility

Our versatile design provides space saving storage solutions and enable them to adapt in many situations. F-100 can be customized to fit in a curved system and can divide a room up to 12m high. F-100 series can satisfy the toughest demands from our clients.

Wide array of finishes

Our custom designed panels has no limitations on the finishes you can put on it. The only restriction is your imagination. Top finishes also enjoy the advantage to be replaced when needed.

Opt for our semi-automatic upgrades

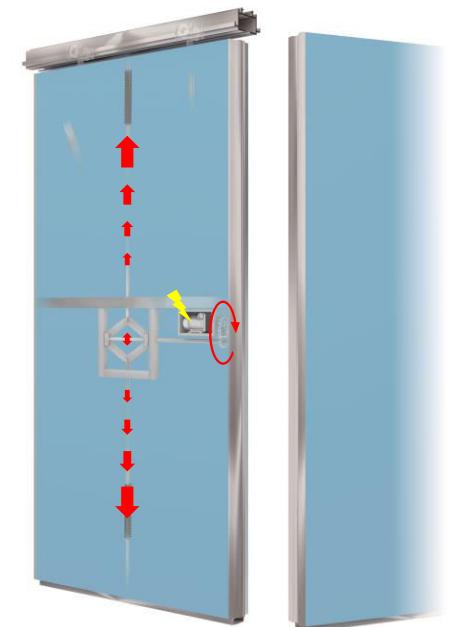
Semi-auto

Semi-automatic option is available for our **F-100**, **S-100**, **G-100** and **HA-150** series. End users will no longer need to do all the crank work to anchor the sound seal, making the whole experience much more convenient.

Top, bottom sound seal and telescopic end panel extrude and retract automatically once in position.

The mechanism is driven by a DC motor spindling the crank result in pushing and retracting top and bottom sound seals. Power is transmitted from panel to panel through specially designed electronic sensors.

Panels can be operated both manually and semi-automatically.



Schematic diagram displaying the sound seal extrusion mechanism driven by the embedded DC motor.

G-100

I'm looking for high visibility

G-100 Series
Glass panels with high transparency

If you are looking for a solution to divide a room without sacrificing visibility and openness, then the G-100 series is what you should consider. The sophisticated design of our double-glazing glass panel allows maximum visibility with side bezels up to 150mm thin. The increased visibility does not sacrifice its strength in acoustic

performance as G-100 retain it's excellent acoustic integrity. G-100 has a proven track record to be an excellent platform for designers to work with.



KPMG Office, Hong Kong



Vocational Training Council (VTC), Hong Kong



LKKHPG Office, Hong Kong



Hong Kong Polytechnic University, Hong Kong

Key Benefits

Visibility

Dividing with glass panels yield maximum visibility among rooms opting a spacious atmosphere.

Acoustic Performance

Double glazing glass panel design helps maintain the acoustic integrity of our glass panels in the STC 42 range. Previous field test certified acoustic performance of FSTC 38.

Auto-screen function

Our patented auto-screen option can be installed in our G-100 glass panels.

Splash-proof

Glass panels have the benefit of being resistant to moisture and relatively easy to clean.

Upgrade for adjustable privacy - screen

We understand that privacy are sometimes favored during a conference meeting. That's why we are prompted to develop our patented auto-screen technology to address this demand.

G-100 with this upgrade will have an automatic screen system embedded within the panel which can completely cover the exposed glass providing a private environment in the conference room.

Smart-glass is also available as an additional upgrade for shading our glass panels.



Illustration displaying auto-screen mechanism

WP-100

I'm looking for rigorous partitions

WP-100 Series Rigid and waterproof design

For sites that require partitions expose to harsh conditions, Flexifold have designed WP-100 to fulfill this niche. This series of partition is constructed with aluminum composite panels and waterproof plywood providing

strong endurance towards wind and rain. Our product has been previously tested and approved by certified structural engineer to be safe for mentioned applications.



Ngan Po Ling Primary School, Hong Kong



Emmanuel Primary School, Hong Kong



St. Eugene de Mazenod Oblate Primary School, Hong Kong



Key Benefits

Waterproof

WP-100 panels can be installed in outdoor premises where it is exposed to rain.

Robust

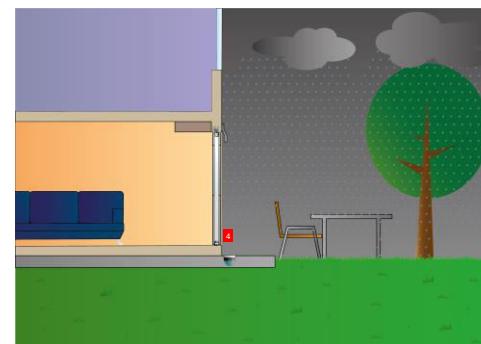
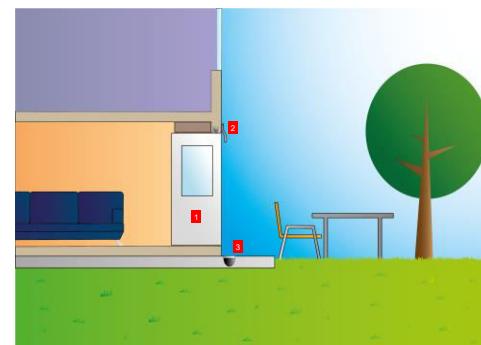
Our panels are robust enough to function through the toughest typhoon. It has previously been tested by Architectural Structural Department (Hong Kong Government) to be able to sustain strong wind load.

Safety

WP-100 panels has been tested by internationally recognized testing authorities to be structurally safe for outdoor usage.

Composition

WP-100 Cross section diagram



1. When not setup, WP-100 is stored in its designated parking location creating an open passage merging outdoor and indoor spaces.
2. WP-100 rain blocking plate is part of our waterproof system to prevent water leakage into indoor space under harsh weather conditions.
3. Drainage duct is placed in front of WP-100 panels to allow rapid water clearance to prevent water leakage.
4. When setup properly, WP-100 extended retractable seals prevent water leakage from outdoor.

HA-150

I'm looking for superb sound insulation

HA-150 Series Unmatched acoustic integrity

If the room you are dividing requires a high standard of acoustic insulation, then HA-150 is the answer from Flexifold. With its profound acoustic integrity in design, HA-150 acoustic performance is up to STC 55.



Quarry Bay School ESF, Hong Kong



Aberdeen Marina Club, Hong Kong



Faculty of Civil Engineering, Hong Kong University, Hong Kong



Key Benefits

Superb Acoustic Performance

With its 150mm construction and crafted with top-tier acoustic insulating materials, HA-150 provide superb acoustic performance.

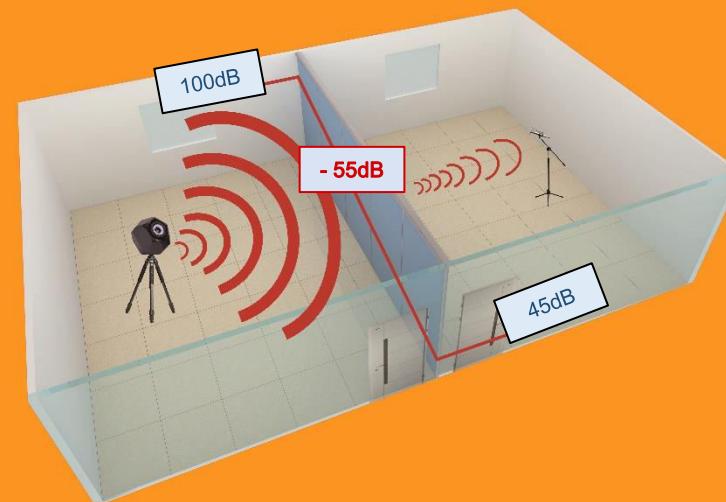
Versatility

Although HA-150 is bulkier than our original panels, our space saving storage solution allow efficient storage of partitions. With its flexibility in design that allows panels to divide rooms height up to 10m, HA-150 can deliver superb acoustic insulation among a wide array of spaces.

Wide array of finishes

Our custom designed panels has no limitations on the finishes you can put on it. The only restriction is your imagination. Top finishes also enjoy the advantage to be replaced when needed.

HA-150 Field Test Data



Flexifold in collaboration with veteran acoustic consultants have conducted a series of acoustic field tests to investigate the acoustic performance of our HA-150 partitions.

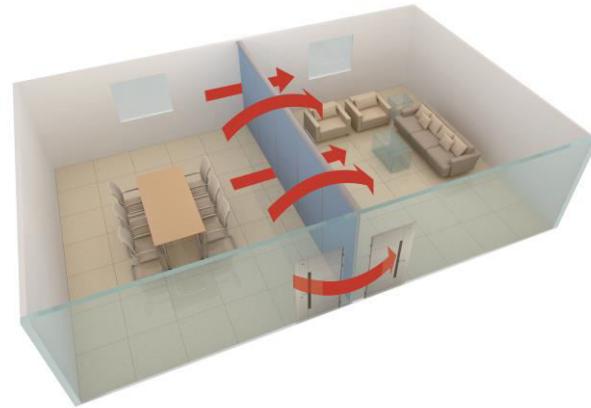
Field test has classified our HA-150 series panels achieved an FSTC ratings of 51.

Acoustics

Our answer to flanking noise

What is flanking noise?

Flanking noise refers to noise that are transmitted from one room to another through an indirect route. In the operable partition scenario, flanking transmission are usually through the structures above ceiling, through floor void, and through solid walls. Flanking transmission has a significant impact on the overall acoustic performance among room divisions and it shall not be overlooked.



Schematic diagram displaying flanking transmission around operable partition systems

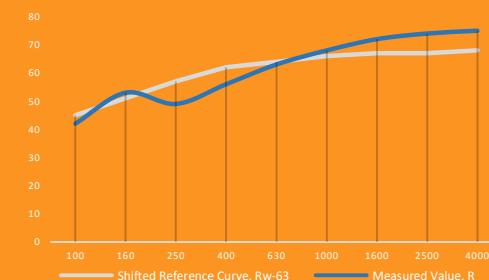
How we stop flanking transmission?

Flexifold never compromise when it comes to acoustic performance in our products. That's why Flexifold is not just simply an acoustic partition provider, we are providing a complete system integrated in the room that assures when our partitions are installed, the overall acoustic performance is in line with our company's standard.



The profound craftsmanship of Flexifold operable partition systems ensures excellent acoustic performance without sacrificing its maneuverability. The sound insulation performance of our F-100 partitions has been confirmed by ISO 140-3:1995 world recognized testing facilities to be STC 52.

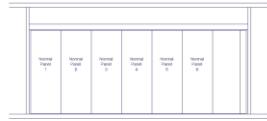
STC 52 Laboratory Data



Options

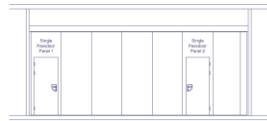
Customize your operable partition system

Partition types



Normal Panel

Normal panels will build up a majority part of your partition system as it is the major dividing tool.



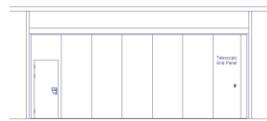
Single Pass Door Panel

A single pass door integrated on the partition allows easy access in between room divisions.



Double Pass Door Panel

Our double pass door features design flexibility to designers and contribute a larger passage for heavy trafficking.



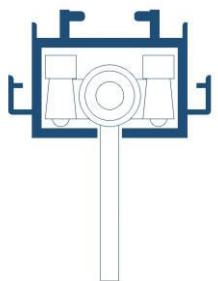
Telescopic End Panel

Our patented telescopic end panel seals the gaps in partition systems allows absolute closure.

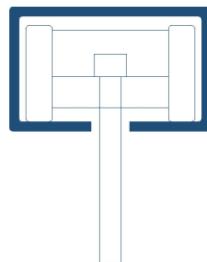
Sliding doors and rotating partitions are also available upon request.

Track Systems

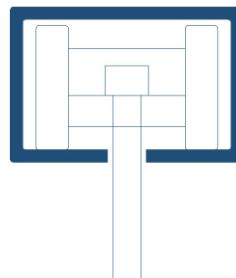
Type B Aluminum (For panels below 4m)



Type MD Steel (For panels from 4m to 6m)



Type HD Steel (For panels from 6m to 15m)



Storage solutions

Single Point Suspension Storage

A simple parking solution for single point suspension partitions.



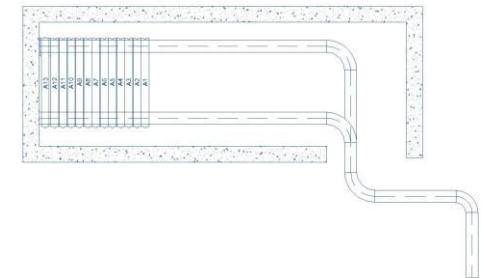
Two Point Suspension Storage

Most commonly used parking solution with 90 degree axis allowing efficient storage of partitions



Steel Track System

Storage system specifically designed for Type HD track systems using rail channeling for partition storage.



Services

Our dedication in maintenance

Partitions are a set of heavy duty equipment and sometimes minor touch ups are inevitable. Flexifold sworn by all of its completed projects and make sure that all installed partitions will get its deserved attention when repair is needed. Just give us a call and we will send our specialist on its way.

Our promises

All Flexifold track and roller systems are entitled with 10 years warranty. Our strong after sales service team provide complete maintenance services to all our installed projects when needed.

Manzhouli Shangri-La Hotel,
Inner Monogolia



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