

Hermetic Sliding door

# HDS CLEAN



**HDS CLEAN** ensures an hermetic closure against air, dust, chemical or bacteriological attacks.

As real defense barrier, **HDS CLEAN** is made for specific areas such as operating theatres, disinfection rooms, sterile or clean rooms and other places where unpolluted clean spaces are required.



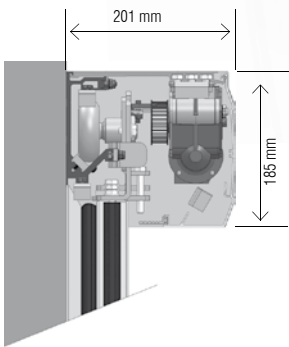
Hermetic closure against air, dust, chemical and bacteriological attacks.

Design complying with cleaning and decontamination requirements.

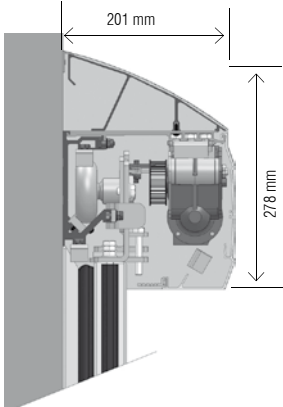
Optimal Operation Safety

Wide choice of leaf filling

Without anti-dust ben cover



With anti-dust ben cover

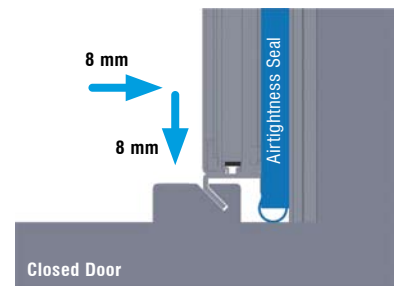
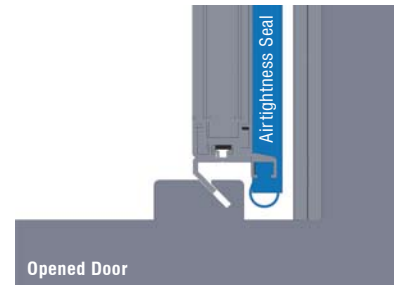


### Smooth movement and airtightness

The airtightness of the leaf is ensured by a specific rubber seal making a real hermetic barrier against outside attacks.

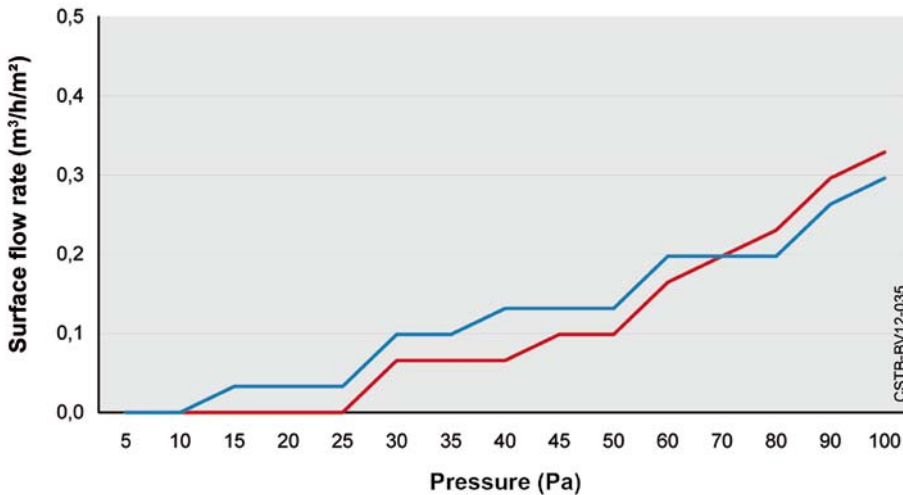
The door rail system, located in the operator, lets the door threshold free (no rail in the floor) allowing the passage of wheelchairs or clinic beds without any shock.

When closing, the rail equipped with a specific banister, allows the leaf to lower and to flatten against the door wall frame, ensuring a perfect airtightness.



■ Pressure  
■ Pressure drop

Air permeability test results according to NF EN 1026 standard specifications



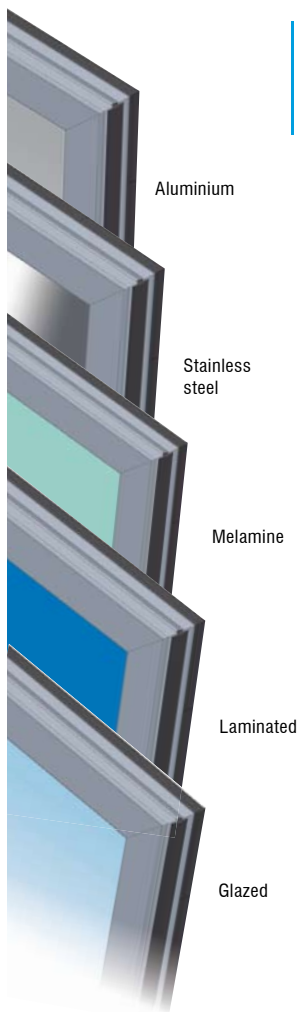
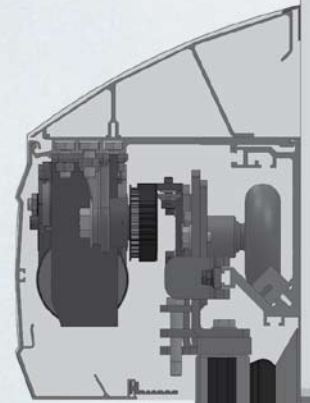
# Safety, Performance and Ergonomics

The door running is fully automatic. It is managed by the operator that lifts up the door and ensures a smooth and safe sliding movement of the leaf.

The door opening can be controlled by numerous systems (remote control, push button by foot or elbow, button without contact, detection sensor...). A digital display unit allows to view the door report and programming modes, to set its operating mode or to adjust opening / closing speeds and hold open times.

A fail safe infrared barrier, detects any obstacle while closing and ensures the passage safety.

In case of power failure, the door is connected to a emergency battery : then a flushing handle allowing the door to open easily thanks to the Easy Coming function.



## Leaves filling

Leaves are made of a rigid core coated with high density stratified panels. They are available in a large colour range. Other materials or coatings are also available to meet all specific requirements (sound insulation, transparency, damp environment...).

The leaves edges are protected by an aluminium frame with smooth shapes. This makes the door most elegant. This frame has a continuous tubular seal all around the door.

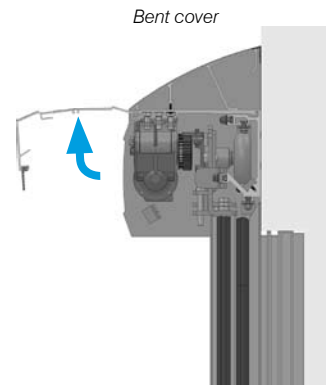
The bay opening is covered with an aluminium frame fixed on the wall on which the leaf flattens while closing. An opposite wall frame can be installed to protect the passage from shocks.

## Use ergonomics

A bi-flushing window can be built in to the leaf.

The wall frame cover, the profiles and cover design are stylized to make the cleaning operations easier.

The access to the operator is made thanks to a swiveling cover for an easier maintenance. The cover remains open when a maintenance operation is needed (no cover removal, nor upper part).



## Characteristics



### MECHANICS

Installation	Surface Applied
Structure	Aluminium
Casing (H x P)	
• with dust free cover	278 x 201 mm
• without dust free cover	185 x 201 mm
	1 leaf
Passage width min/max*	700 / 1800 mm
Max passage height*	2500 mm

### PERFORMANCES

Leaf weight max.	1 x 150 kg
Opening speed	20 to 50 cm/s
Closing speed	10 to 30 cm/s
Hold open time	1 to 15s
Opening force	6 to 25 daN
Closing force	6 to 15 daN

### ELECTRICAL ENVIRONMENT

Power supply	Mains 50-60 Hz, 230V 10% with earth
Max./Average absorbed power	500W / 50W
Motor voltage / Emergency battery	40 Vcc / 12 Vcc (12W)
Relative humidity	10% to 93% without condensation
Operating Temperature	-20°C / +60°C

### STANDARDS

NF EN 1026	Airtightness in positive or negative pression.
EC	Electromagnetic compatibility : directive 2004/108/CE, electrical safety – low tension: directive 2006/95/CEE, construction products : directives 89/106/CE and 93/68/CE, Machines : directive 2006/42/CE
EN 61000-6-3	EMC : Issue for the residential, commercial environments and of the light industry.
EN 61000-6-2	EMC : Immunity for the industrial environments.
EN 60335-1	Safety of electrodomestic devices and similar.
EN 13849-1	Safety of machines – Parts of the control systems relative to the safety.

## Equipments / Options

### Frames leaf & wall

Aluminium AS1 or RAL	•
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### Materials or covering leaf

Laminated wood 0,8mm (HPL)	•
Melamine covered	○
Stainless steel	○
Alu natural anodising, RAL lacquering	○
Double glazing	○

### Leaf Equipments

Flushing glass oculus	○
Manual opening handle	○
Flushing opening handle	○

### Safety & Detection

Infrared curtain	○
Infrared barrier	•

### Control devices

Switch without contact	○
Push button (by elbow, foot)	○
IR Remote Control	○
Easy Coming	○
Small/Large opening control	○

\* specific projects, contact us.



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