

# PST/AST

AIRTIGHT SLIDING  
HOSPITAL DOORS



## PST/AST

FRAME AND FULL-CLAD  
MANUAL AND AUTOMATIC  
SLIDING DOORS FOR  
OPERATING THEATERS

# PST - I

## AIRTIGHT STAINLESS STEEL DOOR



PST - Stainless steel, 60 mm section panel



PST INOX - standard elbow switch

The simple seal PST INOX sliding door is the non-hermetic version with stainless steel wings for use in operating theaters. The aluminum perimeter frames are specifically designed by PONZI INGRESSI *Hospital Division* with a special series of profiles, dedicated gasket seals and matching 60 mm insulating sandwich panel with brushed stainless steel sheet. This solution is designed specifically to reduce passage of dust, bacteria and infectious agents in a surgical environment and for easy hygiene and cleanliness.

# AST - I

## AIRTIGHT DOOR WITH STAINLESS STEEL PANELED WINGS



AST - Framed wings and stainless steel panel



AST - Perimeter wings and blind stainless steel panel

The Ponzi AST Frame Inox door features a fireproof wing for use in hospital settings, and a flushed 40 mm thick insulated sandwich panel, with stainless steel sheet surface and aluminum perimeter frames, PONZI series 40/50 mm rounded safety profiles with relative gasket seals.

# PST GLAZED

“tailor made”  
glass walls and inserts



PST - Glass inserts, curtain and stainless steel box



AST FRAME - Laminated wing, and large glass insert



AST FRAME GLAZED - Glass wing with slim profiles

A wide range of customizations are available for manual or automatic sliding doors of the PST and AST type, in Inox or Frame version, made with our “tailor made” method.

# PST - L

## LAMINATED AIRTIGHT DOOR



PST FRAME - Automatic sliding doors for frequent transit

PST FRAME - Automatic door with safety stainless steel handle

The Ponzi PST FRAME door features a system similar (PONZI Hospital profile series and relative gaskets) to the PSE version and is used in operating theaters as a solution of aesthetic continuity in environments where hermetic seals are not required. Wings are Class 1 fireproof for use in hospital settings and feature a 60 cm thick flushed sandwich panel, with HPL laminate surface of different colours, with the possibility of lead shielding for RX environments.

# AST - L

## AIRTIGHT DOOR WITH DOOR WINGS MOUNTED ON LAMINATED ROUNDED AND FLUSHED FRAME



AST FRAME - Doors with flushed profile and panel, and laminated wings

AST FRAME - Doors with automatic and/or manual sliding system

The AST FRAME sliding door comprises a panel and simple seal gaskets, with frame in extruded aluminum profiles and Ponzi accident-prevention flushed panels with 40 or 50 mm honeycomb panel, covered on both sides with HPL plastic laminates, and inside fireproof material, with Class 1 fire reaction properties. The frame features start from up to 10 to 50 mm panels.



# PST CLAD

SEALING FLUSHED DOOR



PST CLAD - Automatic with glass insert and curtain



PST CLAD - Automatic door without paneled frames

The Ponzi PST CLAD door features a sliding system similar to the PSE version and is used in operating theaters as a solution of aesthetic continuity in environments where flushed solutions are required for sides as well. It is made with sandwich panel, insulating material and steel sheets, Scotch brite and varnish or RAL color finish.

# AST IVC CLAD

SEALING FLUSHED DOOR



FULL-CLAD AST IVC - Automatic with glass insert



FULL-CLAD AST IVC - with panel, for hygiene and cleanliness

The Ponzi AST IVC door presents an innovative finish on the AST wing panel, made of a single press-formed stainless steel, oven-painted sheet. The steel wing panel painting is 85-micron thick. The surface is even, with uniform edges, and of high-quality stainless steel.

# ANTI-RX

Door lead insert for radiological rooms



CT-Scan and Radiology Diagnostic Rooms entrance



Lead shielding with a variable thickness of 1.2 or 3 mm

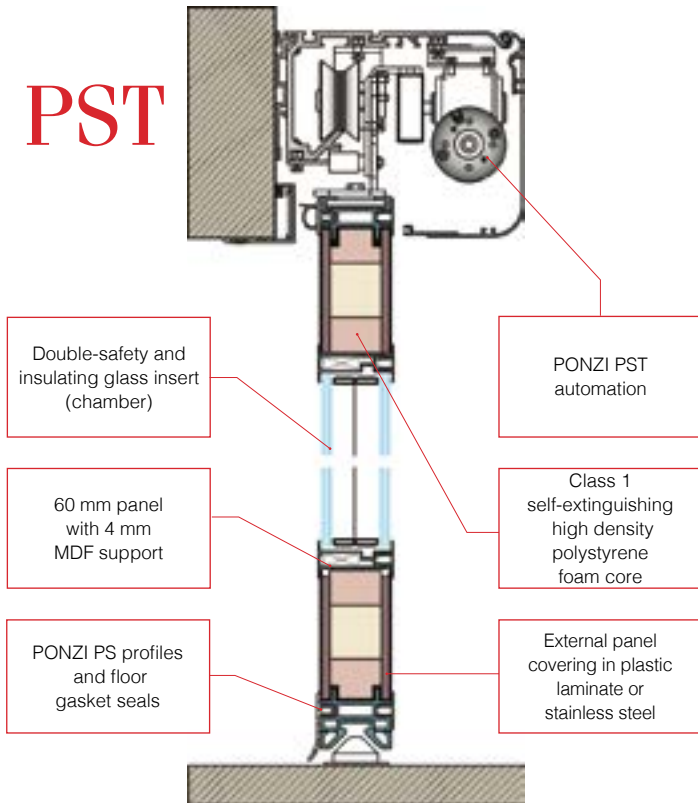


PONZI PST 60 mm paneled wing section

The application of RX shielding with 1, 2, or 3 mm lead plates for AST or PST airtight doors is suitable for hospital units, operating theaters and diagnostic clinics.

## TECHNICAL CHARACTERISTICS

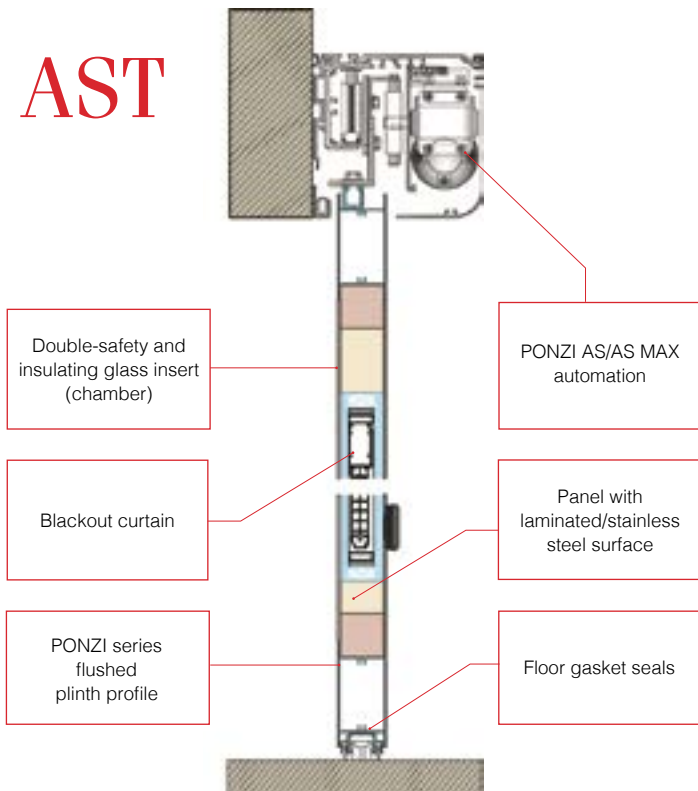
### PST



PST - Door with glass insert and curtain inside, bumper and buttons

PST automatic doors may feature one or two wings. Sizes range from 800 mm up to 2000 mm, with standard height varying from 2100 mm up to 2300 mm. Their automation is proposed according to wing weight. Profiles used are similar to the PONZI PSE typology and suitable for 60 mm thick panels.

### AST



AST - Automatic door with 50 mm PONZI flushed profiles

The Ponzi AST automatic door features a single wing with a net width between 800 and 2000 mm, and standard height ranging from 2100 mm up to 2300 mm. As optional version, we offer a perimeter intrados on three sides, with PONZI 40 mm flushed aluminum profiles, to be coupled in order to wrap the entire wall shoulder with an overall thickness of 150 mm. The panel is 40 mm thick and features an internal high-density fireproof material core with non-toxic Class 1 fire reaction properties, and double-coating of coloured plastic laminate supported by 4 mm MDF or chipboard.

# OUT DOORS



PST - Glazed/laminate with digital print



AST - Glazed/laminate double wing with sensor



PST - With standard laminated panel and stainless steel handle

## PST/AST

### PARTS · OPTIONS · ACCESSORIES · SENSORS

Ponzi's two-decade experience in the healthcare system and in the designing of manual and automatic hospital doors, allows meeting the functional, technical and aesthetic requests needed for any type of operating theaters. The PST and AST range of automation includes a wide range of accessories, such as control devices, impulse units, electrical contacts, etc. The Ponzi technical and sales office is available to illustrate and recommend suitable options.



Key function selector



Elbow switch opening



Impulse/safety sensor



Combined recessed sensor

The basic functions of the system include a 5-function key function selector: automatic, manual, partial opening, one-way and block. In addition, the elbow opening pushbutton and the external combined safety sensor are added as standard impulse units, pursuant to the EN 16005 standard in force. Built-in sensors, capacitive touch sensors and mushroom pushbutton are available as options. The door wing can be fitted with glass insert, internal curtain and large handle.



Touch-open button



Emergency mushroom foot button



Flushed glass inserts with glass chamber



Stainless steel large handle



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