

FDA

AUTOMATIC FOLDING
LINEAR AND
ANTIPANIC DOORS



FDA TOS & VIA VAI
FOLDING AUTOMATIC DOORS
- TECHNICAL SOLUTIONS
AND TYPOLOGIES

FDA BASIC

STANDARD FOLDING AUTOMATIC DOOR BASIC, SUITABLE FOR KITCHENS, OFFICES, PUBLIC ROOMS AND INTERNAL COMPARTMENTS

Made of two or four folding doors that can be opened automatically, the door is produced in aluminum and its passage has a width that goes from 800 mm to 2000 mm. The folding doors are made with special profiles with a section of 30 mm, in RAL colors and/or anodic oxidation, complete of upper and lower pivots rotating on ball bearings, equipped with special high-strength hinges and laminated accident-prevention glass, which is 10/11 mm thick. The perimeter gaskets are in Neoprene, for a perfect thermo-acoustic seal. The folding door automation is regulated by a microprocessor, mounted on aluminum guides and supports, with a movement system through toothed belts with trolleys equipped with nylon wheels and high-noise ball bearings, with electric motor. FDA doors are recommended for entrances of buildings with reduced compartments and suitable for the removal of architectural barriers, facilitating the passage of people and vehicles such as luggage, trolleys and wheelchairs.



PONZI FDA sala-closing position, kitchen dining room filter



PONZI FDA with fast moving door wings

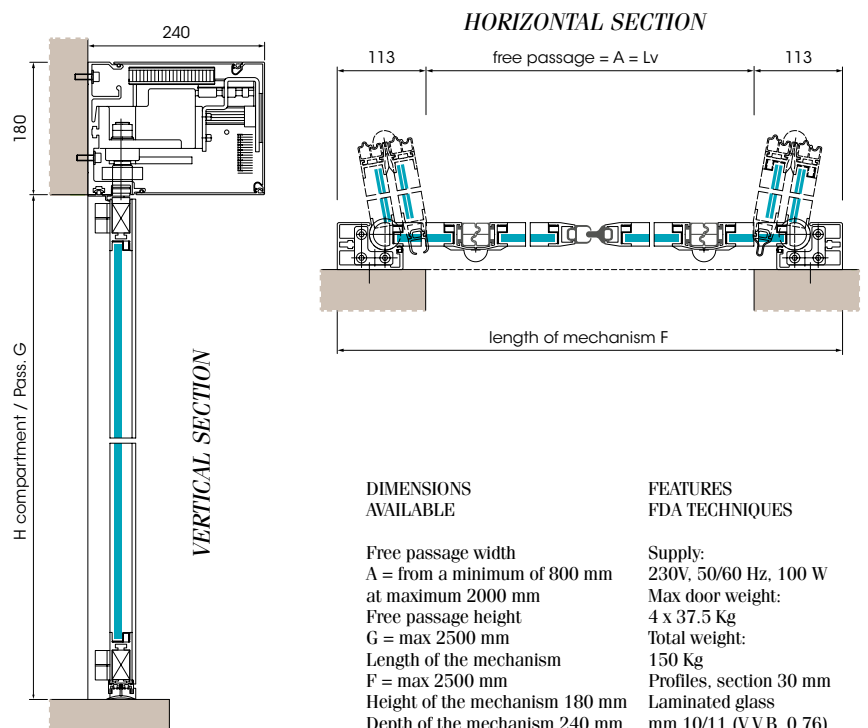


PONZI FDA in open position, wide passage



PONZI FDA with paneled blind door wings in HPL laminate

FDA BASIC



PASSAGES IN REDUCED SPACES WITH BIDIRECTIONAL FLOWS

FDA VIA - VAI

FOLDING AUTOMATIC DOOR COMBINED WITH FIRE-BREAK DOOR FOR ENVIRONMENT COMPARTMENTS, WITH OR WITHOUT WAY OF ESCAPE

The automatic folding doors are the solution to specific problems of special applications such as reduced compartments, lacking lateral spaces where there could be dangerous situations. This door is suitable for restaurants (kitchen / dining area), stairwells, corridors, internal areas of hospitals or airports and hotel entrances, etc. The finishes of the FDA doors can be many; on the structure the aluminum frames can receive painting treatments in the RAL colors and special anodic oxidation treatments in electro coloring. On the doors it is possible to apply sheets in laminated glass or sandblasting, or laminated panels. The doors equipped with handles, combined with FDA TOS doors, allow an easy exodus in case of emergency.



PONZI FDA closed combined with EI firebreak door



PONZI FDA in opening position, EI door in closing position

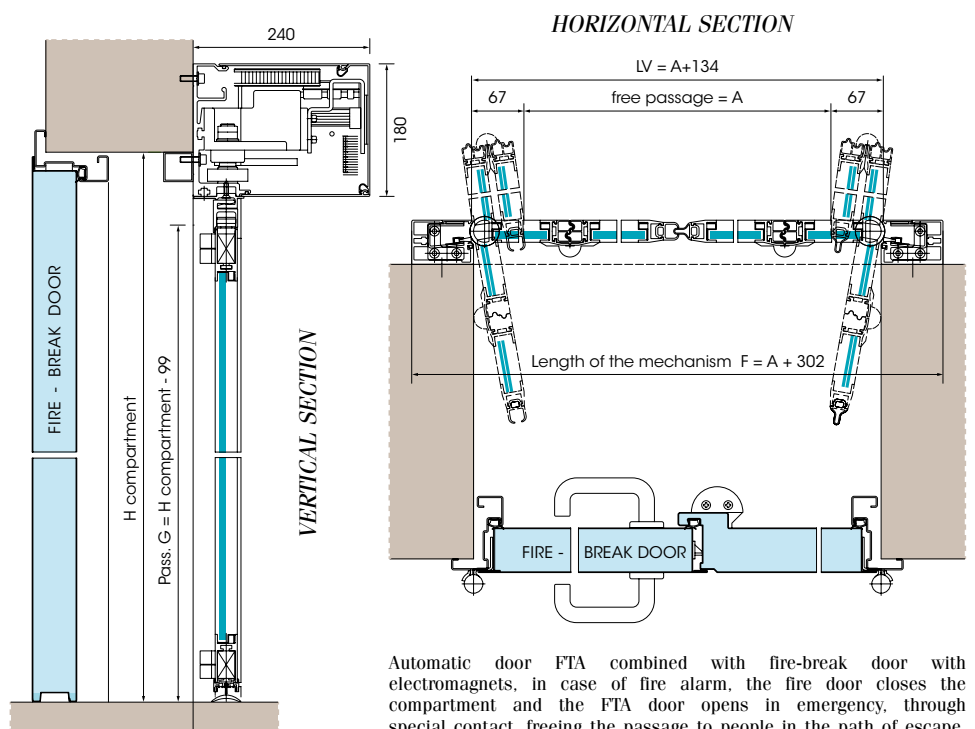


PONZI FDA VIA-VAI with anti-panic breakout door wings



FDA VIA-VAI foldable door combined with fire-break door

FDA VIA VAI



FDA TOS

FOLDING AUTOMATIC DOOR WITH TAPPING DEVICE TOS (TOTAL OPENING SYSTEM), ENABLED FOR SAFETY OUTPUTS

The FDA TOS automatic folding doors are an optimal solution because they are anti-panic and they open up to the outside. They are expressly made for entrances where the obligation is to ensure the safety exit, facilitating the traffic of people and luggage. The use of the automatic folding door is indicated where there are structural conditions of the building, aesthetic or furnishing, which do not allow traditional sliding solutions and where traffic requires an easy passage of trolleys, stretchers, mixed traffic, people and luggage. The current legislation requires the use of automatic doors, with escape route, supported by a mechanical device, which allows the opening of the door wings to the outside, under manual thrust. The FDA TOS doors are certified and enabled for escape routes.



Breakdown of the TOS doors under manual thrust



Doors manually breached outwards



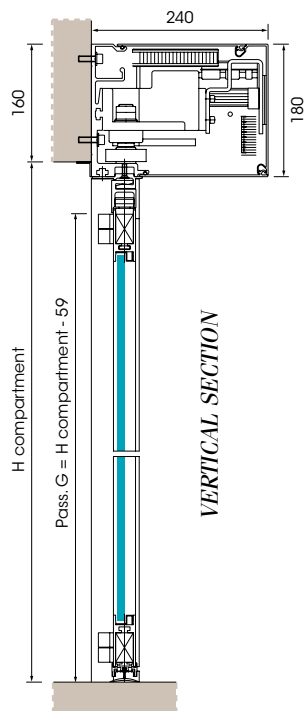
Sashed doors, useful compartment for U.S. modules



PONZI FDA TOS in emergency for emergency exit

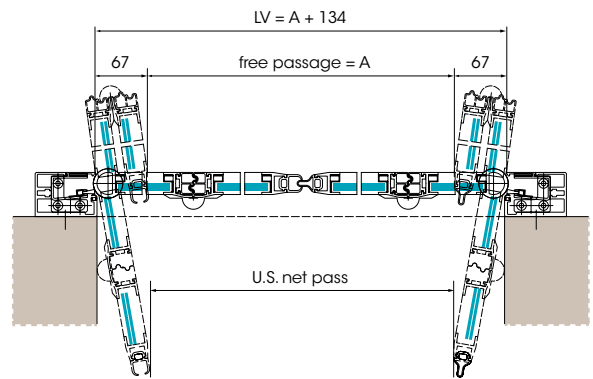


TEST REPORT T.O.S. COMPANY QUALITY ISO 9001



FDA TOS

HORIZONTAL SECTION



DIMENSIONS AVAILABLE

Free passage width
 $A =$ from a minimum of 800 mm at most 1800 mm
 Free passage height
 $G =$ max 2500 mm
 The mechanism $F = A + 302$ mm
 Mechanism height 180 mm
 Depth of mechanism 240 mm

FEATURES FDA TECHNIQUES TOS

Power supply: 230V, 50 / 60Hz, 100 W
 Max door weight: 4 x 37.5 Kg.
 Total weight: 150 Kg.
 Profiles, section 30 mm
 Laminated glass mm 10/11 (V.V.B. 0.76)

SUITABLE INSTALLATION FOR EMERGENCY EXIT

OUT DOORS

Ⓜ HOTEL & RESTAURANT

Many accommodation facilities have entrances with narrow spaces and they are limited by structural and architectural constraints, such as in historic buildings, where the exodus function is also required, with the anti-panic device certified by U.S. In these contexts, the use of FDA automatic doors is useful and versatile. In the hotel and restaurant sector, there are many applications for FDA doors. In addition to the main entrance, they are suitable in the hall-kitchen compartments for the passage of trolleys thanks to fast and reliable handling, offering adequate help to catering.



FTA Hotel entrance in the historic center ① FDA with closed doors ② FDA moving doors ③ FDA with open doors FDA TOS anti-panic simulation



Double FDA, one-way entry and exit FDA folding door for kitchen-hall compartmentation FDA for fast and hygienic passage

✈ Airport

Safety and quality are required in places like airports. The inclusion of the FDA TOS automatic doors, solves the problems of the passage of people with baggage and the control of authorized access flows, following the current regulations. FDA doors are suitable in areas such as gates, filters for customs and international areas, extra-Schengen areas, areas subject to security control, access bridge, check-in etc.



FDA international arrivals and customs area FDA opening Monolateral, luggage safety check FDA TOS filter and access control

OUT DOORS

⊕ *Hospital* ⊕ *Farmacia*

In the hospital sector, the technical solutions offered by FDA folding doors are interesting because they allow an easy transition to people with reduced mobility such as patients, the elderly, children and they facilitate the passage of stretchers, prams and cumbersome machinery. The inclusion of the TOS anti-panic system and the combination with the fire-break doors meets the needs of escape routes according to the regulations in force. Access control, required in the analysis of laboratories, clinics, and reserved areas, is guaranteed by the insertion of devices such as badge readers, numeric keypads and key systems.



FDA suitable for the passage of disabled people



Fast FDA door, First Aid



FDA main hospital entrance



FDA reception area for offices and entrances



FDA access departments and hospitalization



FDA filters, internal compartmentalization



FDA TOS breakthrough for the passage of goods



FDA access control of operating rooms



FDA main entrance for pharmacy



FDA demolition of architectural barriers



FDA double pharmaceutical entry



FDA pharmacy door with reduced compartment



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