



PG

**revolving
doors**

manual
automatic
**revolving
entrance**

PONZI PG 3

THREE LEAVES REVOLVING DOOR



PG 3 Revolving door - Manufactured in painted aluminium and PONZI technical mat



PG 3 Revolving door - "Night Sliding Door" device with manual sliding leaves

PONZI PG revolving doors can be installed in different types of buildings, mainly hotels, corporate offices, business centers, commercial structures, public places, of various surfaces. The revolving entrance is the conscious choice to obtain a highly sustainable building in terms of energy, limiting the thermal excursions between the interior and exterior of the rooms, providing a positive energy balance and drastically reducing air stream and temperature changes. From an aesthetic point of view, the customization of the door is possible by varying the different surface finishes: RAL painting, anodic oxidation and polishing. PG doors can be manufactured with different diameters starting from 1800 mm up to 3800 mm with considerable possibilities of options, according to the different aesthetic, use and operating requirements. Three leaves PG is recommended in entrances with limited spaces and when a larger passage sector is required, by taking advantage of the division into three parts of the circle sector. The typological solution with three leaves in large diameters is also used for commercial buildings with high traffic flow as it allows easy transit not only of people, but also of trolleys, goods and luggage.



PG 3 Revolving door - Stainless steel finish and PONZI technical mat



PG 3 Revolving door - Suitable for with high traffic flow entrance

PONZI PG 4

FOUR LEAVES REVOLVING DOOR



PG 4 Revolving door - Provided with protective equipment and safety sensors



PG 4 Collapsible revolving door - Antipanic break-out system with collected leaves

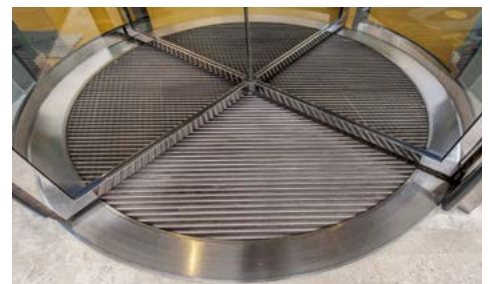
PONZI is the first Italian company to offer an innovative revolving door, manual or automatic, with a reduced central column. Thanks to its essentiality and simplicity it fits into any architectural, historical, contemporary or design context, responding to all current safety and quality requirements. The automatic version, depending on the risk analysis, can be equipped with detection sensors on the leaves that detect the presence of people inside each circular sector of the door. The PONZI - Matic motorization is inserted in the upper canopy with a height of 200 mm. The glasses, both for curved walls and for rotating leaves, are made with safety laminated glass of thickness mm 8/9 which guarantee resistance to shocks and prevent chipping in case of an impact. The door is manufactured with extruded aluminium profiles, special PONZI series, which contain antistatic and dustproof brushes in natural horsehair. Four leaves PG revolving doors are available with different customizations, they are recommended for different uses and for buildings with high traffic flow, with intense and continuous pedestrian passage. PONZI PG doors, in the manual version, are complete with horizontal or vertical tubular stainless steel handles with satin surface finish. In the automatic version, the PONZI - Matic motorization is positioned in the upper canopy and can be inspected through the aluminium ceiling, realized in the same finish as the door. The door can have different options and devices such as spotlights, COLLAPSIBLE system with anti-panic breakout of the central doors and PONZI technical mat recessed into the floor by means of a containment ring. The doormat made of rubber or fabric and aluminium is an important qualitative detail for the revolving entrance and accompanies the user inside the building.



PONZI TIRE Technical mat and floor guide



Aluminium sheet inspection ceiling and spotlights



Stainless steel finishing ring for doormat

PONZI PG

STAINLESS STEEL FINISH

PONZI revolving doors have many possibilities of application and are made upon design, method "tailor-made". They can be used in different contexts, accommodation facilities, main entrances of hotels, office centers and airports; based on different need they may be supplied several diameters, colour and materials. To create design contexts of remarkable effect can be used stainless steel coatings, with different finishes such as: mirror polished or brush. For historic buildings are particularly interesting Corten steel finish with a rust effect and special stainless steel with treatment in a golden finish, which give the entrance particular unique and prestigious colour tones.



PG 3 Revolving door - Prestige customized finishes



PG 3 Revolving door - Brushed stainless steel finish



PG 3 Revolving door - Corten finish for historic building

WOODEN DESIGN SOLUTIONS

The highly customizable Lignum PONZI revolving doors are made of wood, with bronze and brass finishes and accessories, with three or four leaves, with automatic or manual operation. Different kind of wood are used for their construction, with various finishes and decorations. The Basic model is provided with canopy, leaves and bottom in flush wood. The further versions as Exclusive and De Luxe with high personalization, are realized with decorations and finishes in wood and brass; it is possible to add wood shaped profiles in the upper ceiling; the bumper plates and the handles are made of brass. These solutions are suitable for prestigious architectural entrances and are mainly used for the hotel sector, such as Grand Hotel entrances and buildings of historical value, where characterization and tradition are sought in the entrance of the luxury building.



Basic PG door with coplanar linear elements



Exclusive PG door for prestigious entrances



De Luxe PG door with decorative elements

PONZI PG

SPECIFICATIONS

REVOLVING DOOR PG - PONZI

MANUAL VERSION:

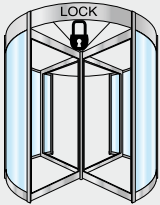
- Semi-circular fixed side panels built with extruded aluminium alloy profiles specially designed for revolving automation systems, surface finish with RAL painting (to be chosen from our color chart), and 4+4 mm safety laminated glass with interposed 0.76 mm PVB film
- Circular 200 mm high upper canopy with extruded aluminium alloy profile specially made in either coplanar or external version (optional), complete with dustproof top panel
- 3/4 REVOLVING WINGS fixed on a rotating central axle, made of aluminium alloy profiles, surface finish with RAL painting (to be chosen from our color chart), and 4+4 mm safety laminated glass with interposed 0.76 mm PVB film
- 40 mm hair brushes and seals made with anti-static technical material, placed on the three sides of the doorwing for an optimum sealing in any position
- Manual lock with safety cylinder for the manual closing of the revolving door

AUTOMATIC VERSION:

- Device for the AUTOMATIC function with an electromechanical automation activated when a user is next to the door, and accompanies the entrance and/or exit path, always repositioning the wings in perfect closure, and includes:
 - DC 24 Volt motor
 - Electric board with low voltage microprocessor control unit
 - Main power supply: 230 V a.c., 50 Hz, 0.3 kW (max)
 - 5-positions function selector (LOCK / AUTOMATIC / PUSH & GO / CONTINUOUS ROTATION / MANUAL)
 - N° 2 motion sensors for the opening input
 - N° 1 red emergency stop push-button on the vertical transom exit side
 - N° 2 sensitive safety rubber rims at each end of the fixed curved parts. The activation of one of them stops the rotation of the wings
 - N° 2 active infrared safety sensors for slow motion and/or stop near the two sensitive rims
 - OPTIONS: passive or active safety rubber sensor, positioned into the bottom and vertical profiles of each mobile doorwing - Bottom Safety
 - ACCESSORIES: N°2 disabled push-buttons (automatic type) that reduce the rotation speed, for an easy transit.

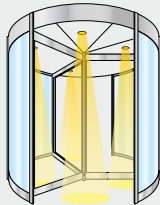
OPTIONS FOR USE AND OPERATION TYPES

Electromagnetic lock



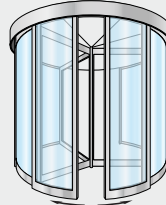
To enable the night locking function it is possible to insert an electromagnetic lock device, activated by the function selector fixed on the door or on a reception desk.

Door lighting



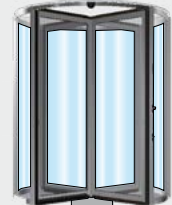
PG doors can be completed with a standard lighting system, using LED low energy spotlights. Lights can also be personalized upon specific needs.

Night sliding doorwings



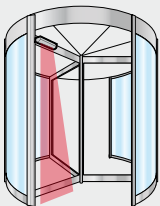
For night-time protection or in case of strong wind with contrast closure, are available two external manual sliding semicircular doorwings, glazed or paneled.

Ground-recessed automatic system



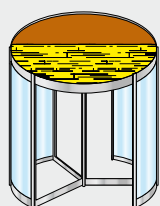
PG automatic doors can be supplied with ground recessed automation, for applications that need to reduce the size of the top canopy or for aesthetic and architectural needs.

Safety



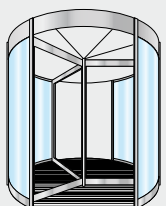
A dedicated safety sensor positioned in the upper profile of each doorwings, avoids the contact with people passing through the door, detecting their presence.

Watertight bitumen cover



The upper ceiling can be provided in the waterproof version with the application of bituminous material in the external part subject to possible humidity or water.

Technical doormat floor



Different types of recessed technical mats composed of aluminum strips and rubber or carpet are available, provided with their proper stainless steel containment ring.

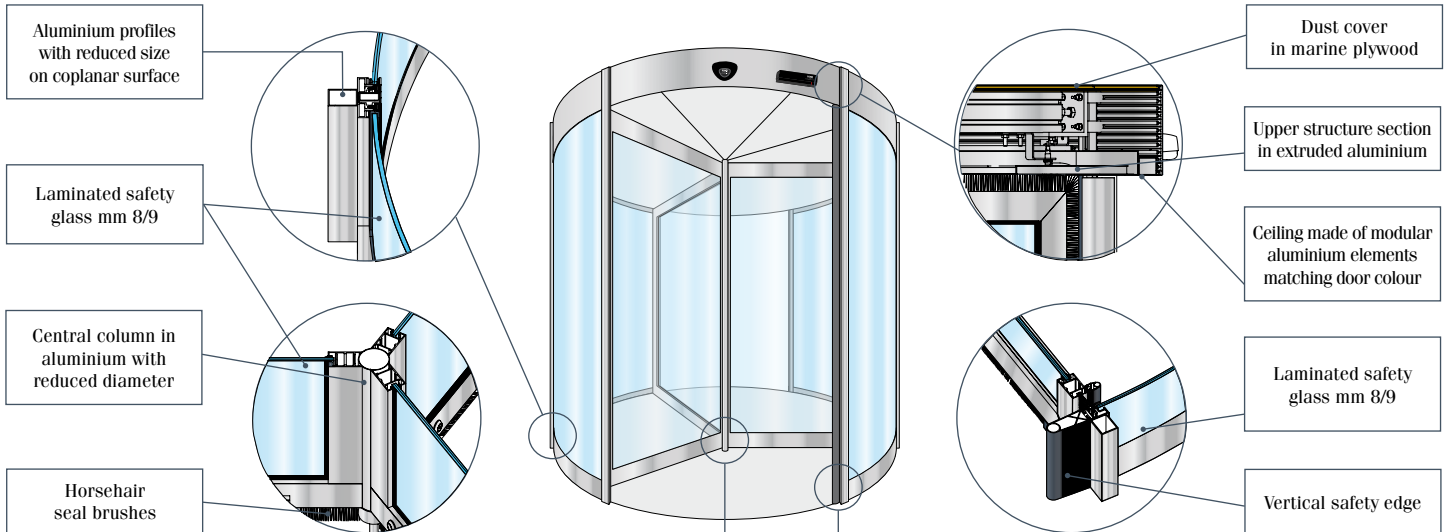
Collapsible



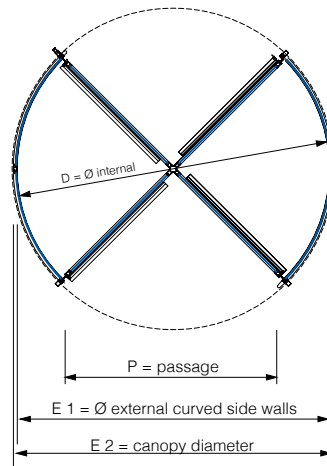
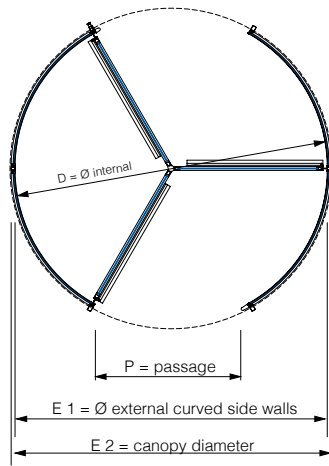
Central revolving leaves can be equipped with a hinged release system on the central axis which is named "COLLAPSIBLE". It allows to collect the leaves, clearing the passage through the escape route.

PONZI PG

DETAILS



PG 3			
D = Ø	± P	E 1	E 2
2000	940	2080	2105
2200	1040	2280	2305
2400	1140	2480	2505
2600	1240	2680	2705
2800	1340	2880	2905
3000	1440	3080	3105
3200	1540	3280	3305
3400	1640	3480	3505
3600	1740	3680	3705
3800	1840	3880	3905



PG 4			
D = Ø	± P	E 1	E 2
2000	1335	2080	2105
2200	1480	2280	2305
2400	1620	2480	2505
2600	1760	2680	2705
2800	1900	2880	2905
3000	2045	3080	3105
3200	2185	3280	3305
3400	2325	3480	3505
3600	2470	3680	3705
3800	2610	3880	3905

Internal diameter D (mm)	N° Door wings	Speed at the end - door wings [m/s]	Laps per minute	Max people per sector	Max capacity per hour	Max capacity per minute
2000	3	0.75	7.2	1	1296	22
2200	3	0.75	6.5	1	1170	20
2400	3	0.75	6	2	2160	36
2600	3	0.75	5.5	2	1980	33
2800	3	0.75	5.1	2	1836	31
3000	3	0.75	4.8	3	2592	43
3200	3	0.75	4.5	3	2430	41
3400	3	0.75	4.2	4	3024	50
3600	3	0.75	4	4	2880	48
3800	3	0.75	3.8	5	3420	57

Internal diameter D (mm)	N° Door wings	Speed at the end - door wings [m/s]	Laps per minute	Max people per sector	Max capacity per hour	Max capacity per minute
2000	4	0.75	7,2	1	1728	29
2200	4	0.75	6,5	1	1560	26
2400	4	0.75	6	1	1440	24
2600	4	0.75	5,5	1	1320	22
2800	4	0.75	5,1	2	2448	41
3000	4	0.75	4,8	2	2304	38
3200	4	0.75	4,5	2	2160	36
3400	4	0.75	4,2	3	3024	50
3600	4	0.75	4	3	2880	48
3800	4	0.75	3,8	3	2736	46



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