

REVOLVING DOORS

Revo.PURE



Nata Vega Center, Ankara (Foto: GEZE Türkiye)

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Revolving door systems

FOCAL POINT OF THE ENTRANCE AREA

The entrance area is the showpiece of a building and thus of a company. GEZE revolving doors fulfil these requirements and inspire planners, operators and users of buildings. They offer unlimited creative freedom and a wide choice of materials and colours. Revolving doors protect against draughts and allow the entrance area to be used for commercial purposes. They offer cost benefits and are versatile, e.g. in commercial buildings, public buildings, shopping centres, hotels, administrative buildings, car dealerships, airports and railway stations. GEZE offers customised solutions for every project.

ADVANTAGES FOR PLANNERS AND BUILDING OWNERS

- Creative freedom and building-specific customised planning with a range of optional features
- Commercial use of the entrance area for shops, offices, showrooms and reception desk
- Harmonious visual appearance of the façade and inner area
- Prestigious entrance with outstanding appearance
- Improvement of the energy balance of the building
- Economical solution thanks to the high degree of prefabrication ex works

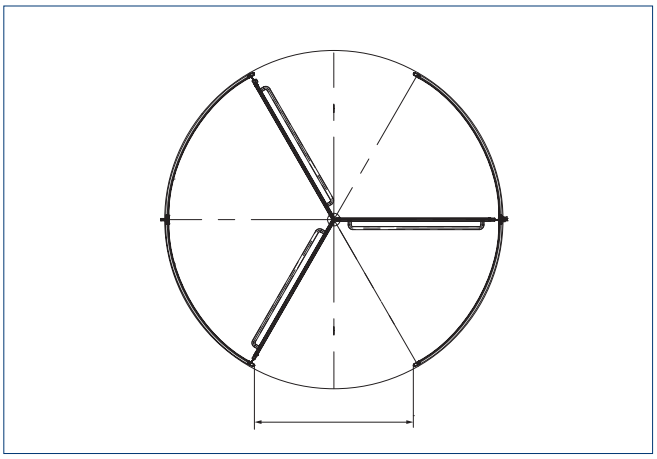
ADVANTAGES FOR USERS

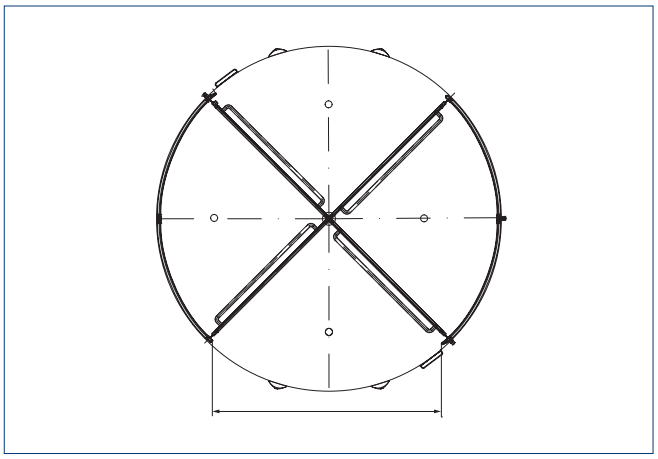
- Flawless and smooth operation of the door system even with high footfall
- Simple setting of the desired mode of operation
- Effective protection against noise, dust and dirt
- Protection from draughts

ADVANTAGES FOR FABRICATORS

- Flexible, modular system
- Easy installation thanks to the high degree of prefabrication ex works
- Pre-defined and programmed control technology for fast commissioning
- Door system and safety devices comply with current standards and regulations

GENERAL INFORMATION

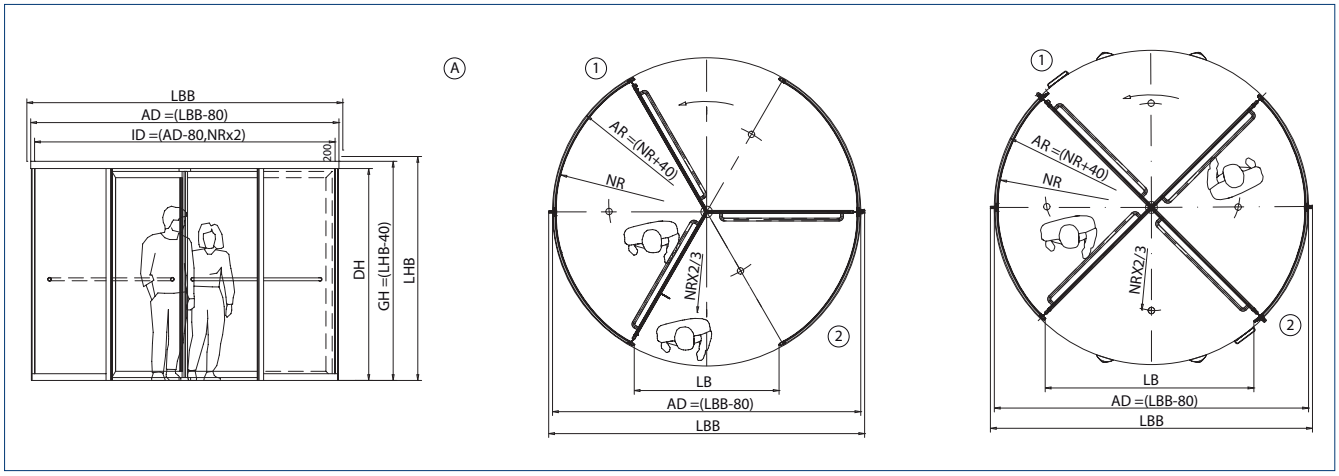




PASSAGE CAPACITY

	3–leaf		4–leaf	
Inner diameter (as an example)	Capacity persons/ hour	Persons/minute	Capacity persons/ hour	Persons/minute
2000 mm	1203	20	1604	26
2400 mm	1002	16	1336	22
2800 mm	1718	28	2291	38
3200 mm	2256	37	3008	50
3600 mm	2005	33	2673	44
3800 mm	2280	38	2880	48

All stated values refer to the maximum capacity in one direction and a peripheral speed of 0.7 m/s.



A = View variant, three-leaf I Floor plans variant three-leaf manual and four-leaf automatic variant I LBB = Clear passage width building (minimum distance to the side of the façade is 40 mm) I AD = External diameter I ID = Internal diameter I DH = Clear passage height I GH = Overall system height I LHB = Clear passage height building (minimum distance to the top is 40 mm) I NR = Nominal radius I LB = Passage width I 1 = Interior I 2 = Exterior

PASSAGE WIDTHS FOR MANUAL REVOLVING DOORS

	3-leaf	4-leaf
Inner diameter (as an example)	Glass in frame	Glass in frame
2000 mm	945 mm	1370 mm
2400 mm	1145 mm	1652 mm
2800 mm	1345 mm	1934 mm
3200 mm	1545 mm	2216 mm
3600 mm	1745 mm	2498 mm
3800 mm	1844 mm	2645 mm

PASSAGE WIDTHS FOR AUTOMATIC REVOLVING DOORS

	3-leaf	4-leaf
Inner diameter (as an example)	Glass in frame	Glass in frame
2000 mm	895 mm	1325 mm
2400 mm	1097 mm	1609 mm
2800 mm	1297 mm	1893 mm
3200 mm	1497 mm	2177 mm
3600 mm	1697 mm	2461 mm
3800 mm	1795 mm	2604 mm

Revo.PURE



Metafor, Ankara (Foto: GEZE Türkiye)

Automatic revolving door system for three- or four-leaf doors

AREAS OF APPLICATION

- Three- and four-leaf door systems
- Interior and exterior doors with high access frequency
- Prestigious building entrances with major light incidence
- Façades with narrow mullion-transom constructions
- Inner diameters of 1800 to 3800 mm possible
- Suitable profile systems are fine-framed profile system with insulating and mono glass

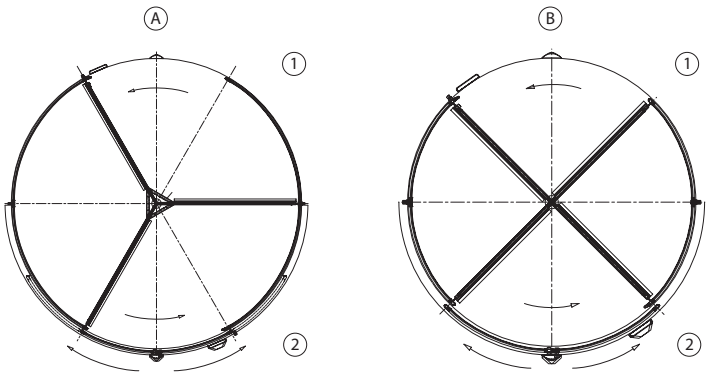
PRODUCT FEATURES

- Customised selection of diameter, passage height and surfaces
- Extensive equipment options
- Robust and proven drive technology for doors up to 3800 mm in diameter
- Easy installation of the door system without lifting tools
- Fast commissioning thanks to pre-wired and configured sensors
- Certification in accordance with EN 16005

TECHNICAL DATA

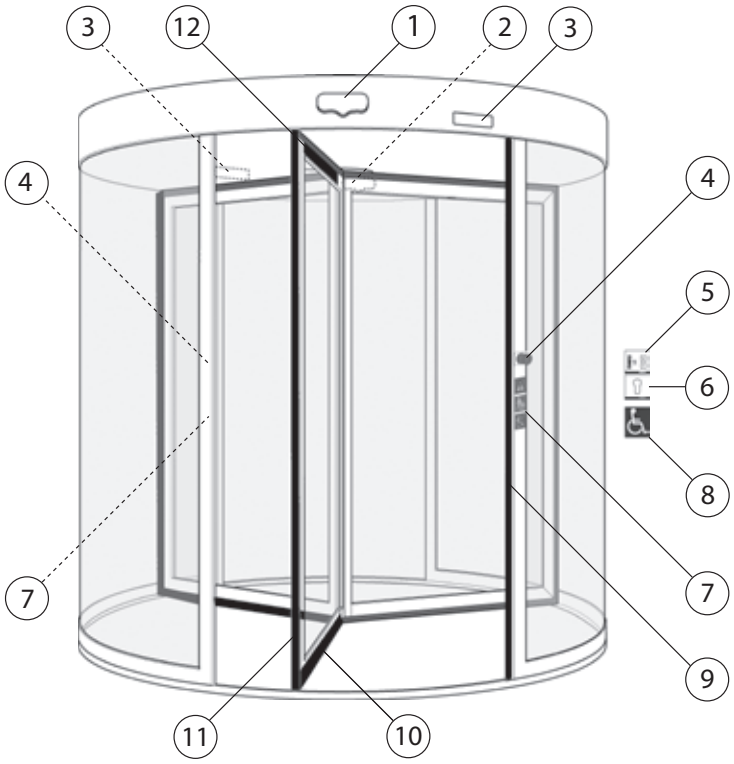
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Operation fully automatic	Yes
Suitability for escape and rescue routes	No
Inner diameter (min.)	1800 mm
Inner diameter (max.)	3800 mm
For 3-leaf door systems	Yes
For 4-leaf door systems	Yes
Clear passage height	3000 mm
Canopy height (min.)	200 mm
Side panel version	8 mm LSG
Roof construction	optical sheet covering, waterproof roof with waterspout
Lighting	for variant with roof, according to the customer's request
Floor covering	Entrance mat, floor mat, according to the customer's request
Hot-air curtain system	Electric air curtain, hot water air curtain, possible depending on the ceiling construction
Night-time closer layout	Exterior
Night-time closer type	Manual
Night-time closer design	8 mm LSG
Locking mechanism	Manual
Door handles horizontal or vertical	Yes
Floor ring	Yes
Push pad	Yes
Standard conformity	EN 16005

NIGHT-TIME CLOSER



A = Three-leaf with outside-running night-time closer I B = Four-leaf with outside-running night-time closer

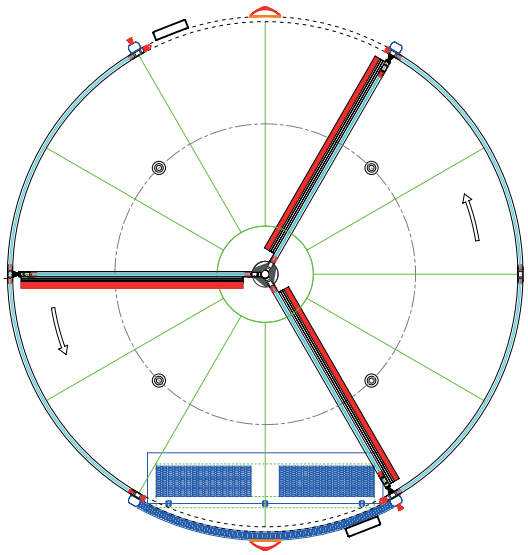
OPERATING ELEMENTS

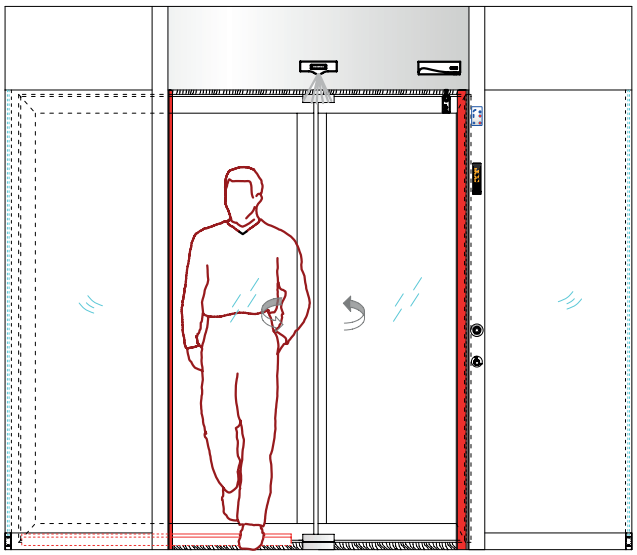


1 = Movement detector inside I 2 = Movement detector outside I 3 = Leading mullion safety sensor I 4 = Emergency-stop switch inside and outside I 5 = Keypad programme switch I 6 = Key switch I 7 = Warning sign inside and outside I 8 = Push pad (optional) I 9 = Mullion safety I 10 = Heel protection strip I 11 = Vertical safety contact strip I 12 = Mobile safeguarding device (optional)

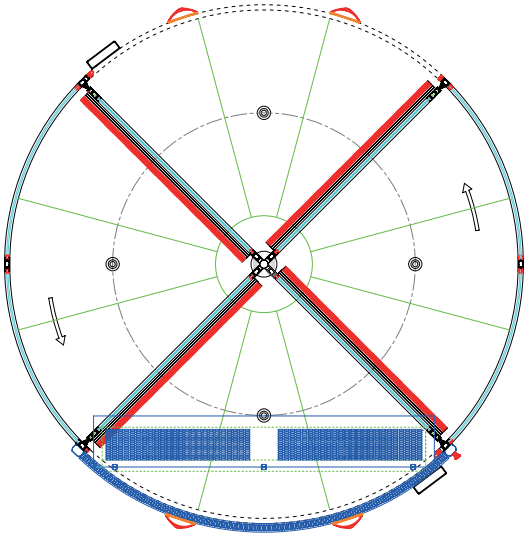
AIR CURTAIN

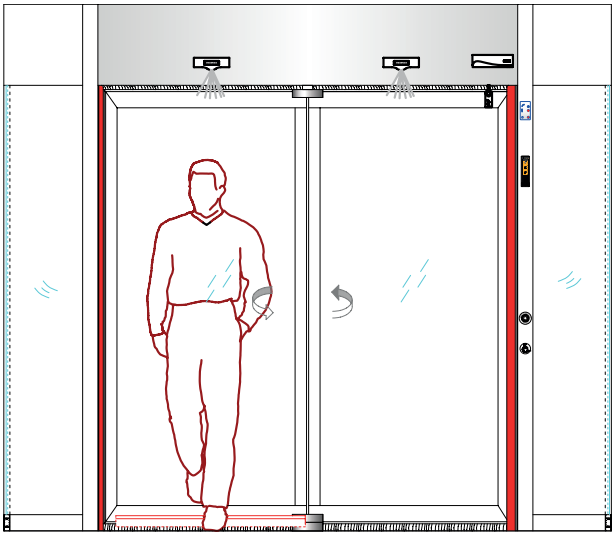
THREE-LEAF VARIANT





FOUR-LEAF VARIANT





Hot-air curtain

Differences between the temperature inside a building and the outside temperature cause unwanted air exchange in the door area. Air curtain systems are used to prevent this air exchange. They prevent the ingress of cold air even with revolving doors. As a result, the area directly by the door can be used economically.

Reference projects





Cubes, Ankara (Foto: GEZE TURKIYE)





Cubes, Ankara (Foto: GEZE TURKIYE)

Metafor, Ankara (Foto: GEZE TURKIYE)





Metafor, Ankara (Foto: GEZE TURKIYE)

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GEZE stands for innovation, high quality and comprehensive support of building technologies. From the initial idea, planning and operational implementation with standard products to customised system solutions and individual service and maintenance plans. We offer an extensive product range of door, window and safety technology products and are a major driving force behind the digital networking of building automation.

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