



YOUR  
**ENTRY**  
EXPERTS.

# CRYSTAL TOURNIKET.

## THE **ALL-GLASS** REVOLVING DOOR

Our Crystal Tourniket is the ultimate eye-catcher. Virtually completely transparent with only a minimal stainless steel frame and patch fittings for maximum strength, it exudes elegance and style. This revolving door is available with three or four-door wings and as an element of fun or customisation, tinted glass can be used for the door wings and curved walls.



## OVERVIEW

The entrance is the first contact a visitor has with a building; it is the building's calling card and should signal to the visitor that he is in the right place; that he has almost reached his destination.

The entrance needs to fit the building's criteria on three key areas: sustainability, security and service. However the entrance requires a fourth element: great design.

## A SUSTAINABLE SOLUTION

Revolving doors are the most energy-efficient entrance solutions available today. The always open, always closed principle of a revolving door ensures that the conditioned inside air and the unconditioned outside air remain separated, preventing draught, dust and noise from coming into the building. As less energy is required to maintain the conditioned climate inside the building, revolving doors help reduce the carbon footprint of a building and save both energy and cost.

The same effect can be reached by installing a draught lobby but for draught lobbies with conventional sliding or swinging doors to be truly effective, the entrance and exit doors of the lobby can never be open at the same time. This means that users are often required to wait in the draught lobby for the next door to open, causing frustration and a feeling of being unwelcome. The advantage of revolving doors is that they save energy while facilitating a continuous flow of people.

## SAFETY AND SECURITY ARE IMPORTANT

Security in an entry has two different aspects: the security of the building and the safety of its users. The Crystal Tourniket complies with the strictest safety regulations.

Safety Sensors in the door wings and in the frame ensure that the door responds to users and objects, minimising, or even preventing, impact with the user. The door behaviour can be customised to suit your building's requirements. Such requirements could be based on your priority for safety or throughput taking into account various user groups ranging from professionally trained users to locations where people with special needs form a large part of the user profile such as children and elderly people.

### We offer the following additional safety measures:

- Accessibility buttons
- Visual signage on the door wings and curved walls to ensure the accessibility of our doors for all user groups.
- CE Plus package

The front entrance to a public building, such as a hotel, office building, condominium, or municipal building should also include security options. Whether there is an unwanted guest immediately outside the door, or the facility manager is locking up for the night, revolving door security options allow for an added layer of protection.

### We offer the following additional security measures:

- Manual door set locks
- External night-locking doors
- Security lockdown
- Access control options



## ESCAPE ROUTE

The escape route is one of the main issues when considering the main entrance to a building. The Crystal Tourniket is available with an option of a collapsible door set on both the three and four-wing models.

If equipped with a collapsible door set, the Crystal Tourniket can be installed in an escape route. In case of an emergency, the door set will unlock and the door wings can be folded together to create an open passageway.

## KEY FEATURES

- 3 or 4-Wing configuration
- Manual, Semi-automatic or fully automatic operation
- Large selection of dimensions
- Rigid or collapsible door set
- Low energy assisting and positioning
- Speed control
- Transparent design

## PUT YOUR STAMP ON IT

The Crystal Tourniket can be finished in completely clear glass, but coloured glass is also available. With a variety of options available, we can work with you to ensure the Crystal Tourniket all-glass revolving door meets all your requirements. Choose a collapsible door set to ensure the entrance is suitable as an emergency exit\* and choose three or four-door wings depending on the number of visitors you expect on a daily basis and whether they bring a briefcase or large luggage.

Our revolving doors are available in a wide variety of heights and widths with different canopy heights and heights under canopy, ensuring that many design wishes can be solved with one of our standardised products. If your design falls outside the options that are available, our sales managers and engineers will work with you to create a safe and sustainable entrance that meets all requirements.

## KEY BENEFITS

- Handles low to moderate throughput
- Minimal profile size creating a weightless impression
- Automatic operation for touchless entry
- Sustainable and energy-saving
- Reduced air infiltration
- Good ROI
- Highly customisable

## SUGGESTED SEGMENTS

- Corporate
- Governmental
- Retail
- Restaurants and hospitality
- Airports
- Hospitals
- Hotels

**You can level up in any of these categories:**



THROUGHPUT

SECURITY

SAFETY

AESTHETICS

TECHNOLOGY

COMFORT

SERVICE

# LEVEL UP

If our standard specifications do not quite suit your needs, we open up opportunities for you to 'Level Up' where it counts most. You can also do this according to your most motivating value driver.

The specification table shows you our standard product options, and to the right of these, you can easily see, and consider, any compatible 'Level Up' options for fine-tuning the Crystal Tourniket.

**B****A**

A: 4-Wing automatic model (most popular)

B: 4-Wing manual model (variation)

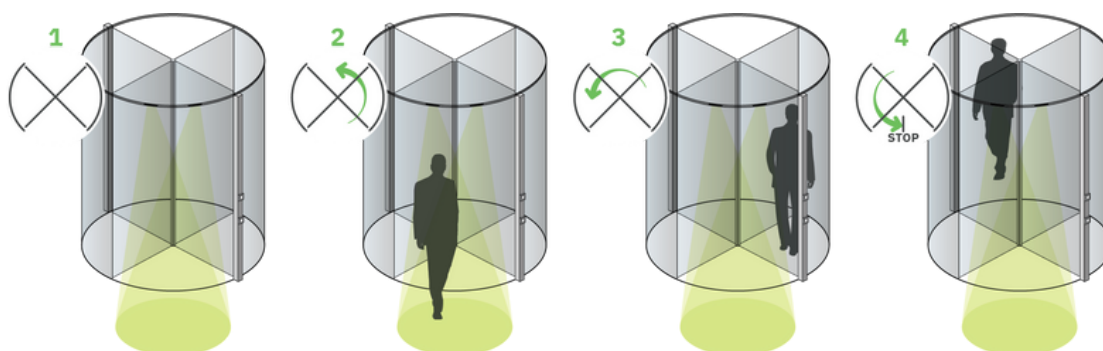
## TECHNICAL SPECIFICATIONS



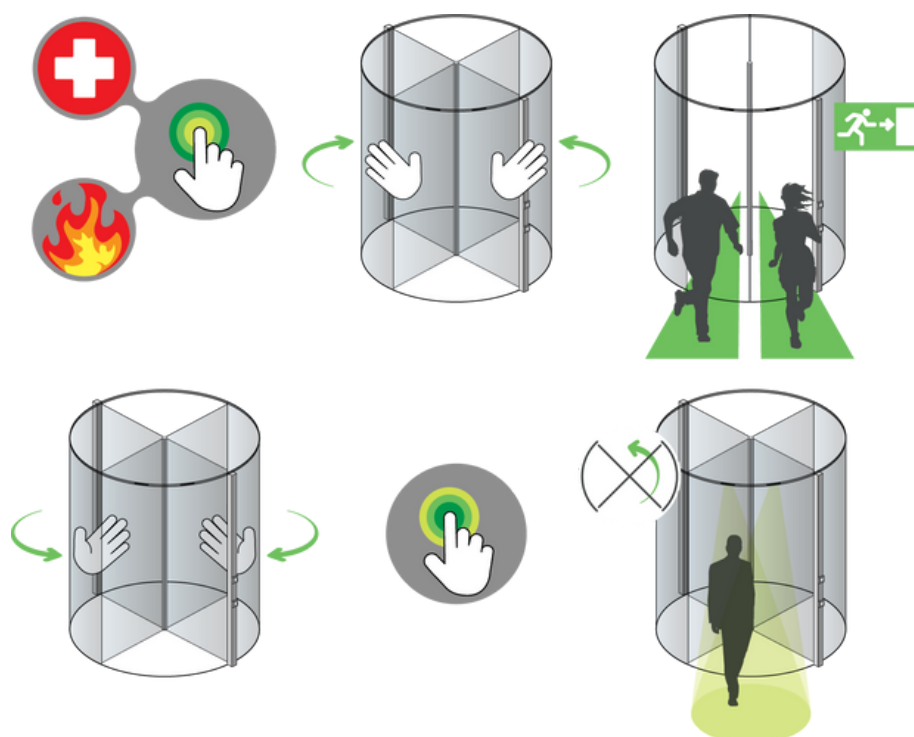
|  THROUGHPUT   | MOST POPULAR   | VARIATIONS   |
|---|--|--|
| Throughput  | 2 x 38 people per minute   | 2 x 22 - 2 x 29 people per minute  |
| Diameter  | 3000 mm  | Available as standard in any diameter between 1600 - 3000 mm                         |
| Height Under Canopy   | 2200 mm  | Available as standard between 2100 - 3000 mm   |
| Canopy Height   | 18 mm glass  | -  |
| Throat Opening  | 2060 mm  | Available as standard between 719 - 2060 mm  |
| Number of Doors / Wings   | 4  | 3  |
|  SECURITY     | MOST POPULAR   | VARIATIONS   |
| Night-locking   | Manual-locking door set  | External night-locking doors   |
| Controllable Locking  | -  | Security lockdown<br>Secured access out-of-hours                                     |
| Protection Level  | Vandal resistant safety glass (P2A) curved walls and night locking doors | -  |
|  SAFETY       | MOST POPULAR   | VARIATIONS   |
| Safety Packages   | CE Basic   | CE Plus / DIN 18650 / UKCA / ANSI / Chinese standard                                 |
| Drive Unit  | Drive with speed control and block detection                             | BoonAssist (low-energy drive) with speed control                                     |
| Escape route  | -  | Collapsible door set with activation button  |
| Fire Alarm  | Connection prepared in control system                                    | -  |
|  AESTHETICS | MOST POPULAR   | VARIATIONS   |
| Finish  | Powder coated aluminium<br>Stainless steel cladding brushed              | Stainless steel cladding mirror<br>Powder coated finish                              |
| Glass   | Glass decals   | Tinted and low iron glass options  |
| Canopy  | Extruded solid canopy  | Glass roof 18 mm<br>Canopy cover material options                                    |
| Ceiling   | Coordinated colour, material and finish                                  | Alternative colour, material and finish  |
| Door Handles  | -  | Vertical Ø40 mm  |
| Floor Mat and Trim  | Floor mounted  | Matwell trim<br>Floor mat  |
|  TECHNOLOGY | MOST POPULAR   | VARIATIONS   |
| Drive   | Drive unit in floor  | Manual operated, BoonAssist (low-energy drive), Drive unit under floor               |
| Door Control  | Control panel on door  | Control panel external<br>Door connected to BMS                                      |
|  COMFORT    | MOST POPULAR   | VARIATIONS   |
| Accessibility   | -  | Push-button temporary low speed  |
| Lighting and Sound  | -  | -  |
| Climate Control   | Genuine horse hair brushes with EPDM interlayer                          | Air curtain options  |
| Activation  | Direction-sensitive motion sensors<br>Welcome mode - idle speed          | Push & Go<br>BoonAssist with assist and positioning<br>Convenient out-of-hours entry |

For more variations, to suit your project even further, please contact your entry expert.

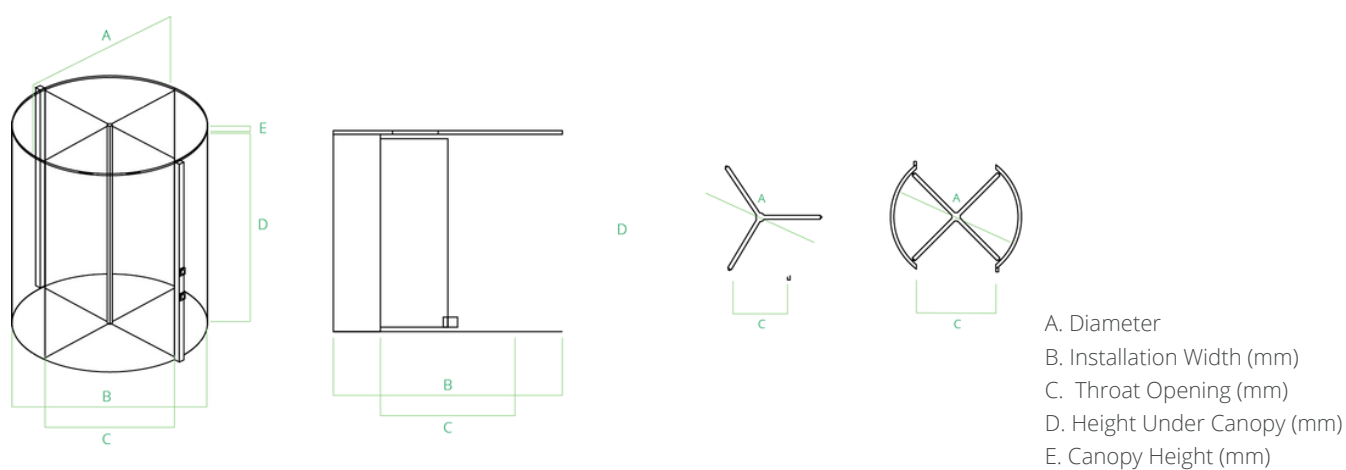
## 6 WORKING PRINCIPLE - STANDARD



## WORKING PRINCIPLE - COLLAPSIBLE DOOR SET



## TECHNICAL DIMENSIONS





## SERVICE AND MAINTENANCE

With hundreds of thousands of visitors passing through an entry every day, continued and reliable operation is vital. Regular service and maintenance can prevent unexpected hardware breakdowns. Boon Edam's service and maintenance teams across the world are experienced in the effects the local conditions have on the wear and tear of your entry solutions and can offer specialised service and maintenance contracts that correspond to those conditions perfectly.

## COMPLIANCE

Boon Edam entrances are trusted solutions that allow organisations to meet compliance regulations related to restricting access to areas within a building. We take compliance and safety very seriously and ensure that our products are manufactured, installed and maintained to keep up with the strict criteria required in all our countries. We are always improving and committed to making sure our products are compliant and certified. More information can be found on our website under 'About Us'.

### **The Crystal Tourniket complies with the following European standards:**

- Machine Directive 2006/42/EC
- EMC Directive 2014/30/EC
- RoHS Directive 2011/65/EU
- EN16005 - Safety in use for power pedestrian doors



# OUR REACH IS GLOBAL.

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We have been in business for more than 140 years manufacturing premium aesthetic and security entrance solutions in the Netherlands, United States of America and China. We can confidently say that we cover every corner of the globe with subsidiary companies in major cities across the globe. Furthermore our global export division not only partner with our distributors, but also offer direct sales and service to every territory. This wide net allows us to have a strong global footprint as well as a personal grasp of local markets and their unique entry requirements.

To find your closest Boon Edam expert, please go to:  
[www.boonedam.com.au/contact](http://www.boonedam.com.au/contact)



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