BOON EDAM

YOUR
**ENTRY**
EXPERTS.

# CIRCLELOCK SOLO.

TOUCHLESS.
ENTRANCE SOLUTION

## THE ULTIMATE **SINGLE-ENTRY** SECURITY PORTAL

Offering the highest level of physical protection in a security entrance, the Circlelock Solo is the ultimate defence against intrusion into sensitive areas of a building. Ensuring only one authorised person enters at a time, high security portals eliminate the need for manned supervision or guards. The salary of a guard supervising a swing door or open walkway 24 / 7 / 365, therefore provides a return on investment in under a year.

**CLICKABLE.**

Make the most of your experience within this brochure, and hover your mouse over words and pictures to get deeper insights and inspiration. (pdf version only)
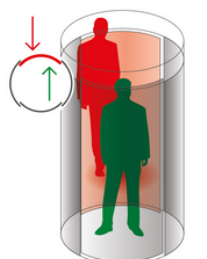
## OVERVIEW

The Circlelock Solo high security portal can prevent any attempt to gain unauthorised access as well as confirming the identity of the user entering. The round, cylindrical compartment features two interlocking, automatic sliding doors. Upon authorisation, the first door opens allowing a user to enter the portal. Integrated sensors confirm the user is alone and if so, a signal is given to the second sliding door to open, completing the passage into the secure area. A secondary biometric system can be used to confirm identity once inside the chamber.
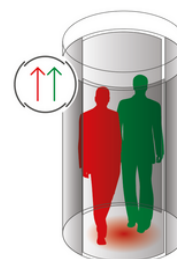
## 'LEVEL UP' ON SECURITY FEATURES

The Circlelock Combi comes with an array of possible security packages ranging from tailgating detection up to piggybacking detection. For those looking for the ultimate fortress, the most sophisticated available option is an overhead sensor system – called StereoVision that accurately detects and prevents piggybacking, or two users attempting to enter the portal on one authorised credential. Organisations

looking to increase the security level of the Combi can also consider the following features:

- **Contact mats:** the Circlelock Solo comes standard with a full zone contact mat which prevent tailgating in the same direction as well as in the opposite direction.
- **Weight system:** extra prevention against basic piggybacking can be provided by means of an accurate weight system which is embedded into the floor of the security portal.
- **One-way StereoVision:** optional one-way StereoVision is available as a 'Level Up' to provide additional advanced piggybacking prevention when users enter the secure area.
- **Two-way StereoVision:** with optional two-way StereoVision, organisations can provide additional advanced piggybacking prevention when users exit the secure area (in addition to entry).
- **Internal biometric post:** allows for mounting of an internal biometric device (by others) for two or multi-factor authentication capabilities. This ensures that the person who presents credentials outside the portal is the same person who is inside.



**TAILGATING:**
**IN OPPOSITE DIRECTION**
DETECTION VIA CONTACT MAT

**PIGGYBACKING:**
DETECTION VIA WEIGHT SYSTEM
AND STEREOVISION

## A FLEXIBLE FORTRESS

While the Circlelock Solo typically allows just one authorised person to enter, based on approved and registered credentials, it can also support two-factor authentication: an identity verification technology (such as facial, iris, or hand scanner) can be mounted on an interior post inside the portal to confirm that the person is alone and the right person. The cutting-edge technologies at work within this product ensure you and your valuables peace of mind.

## A WORLD OF SECURITY INTEGRATION OPPORTUNITIES

We know the role our portal plays is just a part of the bigger security picture and we have researched at length ways to ensure easy and effective integration opportunities for our clients who decide on installing our Circlelock Solo. This is over-and-above the already built-in technology which scans and accurately detects person/s using advanced sensors and weighted flooring. Additional measures are available to level up the security even further, as your project demands it.

## KEY FEATURES

- Space efficient cylinder compartment with an interlocking door system for accurate tailgating detection
- Anti-piggybacking system (StereoVision – one or two-way)
- Working principle supports bi-directional traffic, multi-factor authentication
- Self-managed – no manned supervision required
- Steel floor construction facilitating mounting on a computer floor
- Surface mount supporting cost effective quick installation
- Onboard user communication system (integrated visual and audio feedback signalling)
- Seamless integration and feedback with access control systems, biometric devices and building management systems
- Fail-safe operation as standard, fail-secure optional
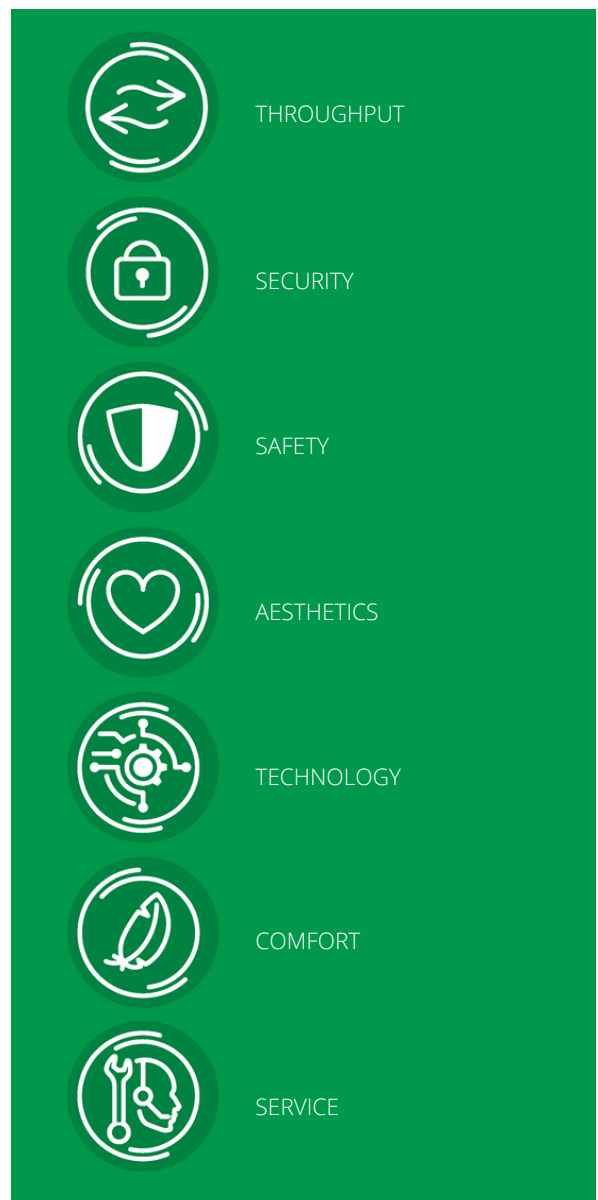- Supervised disabled entry is possible

## KEY BENEFITS

- Highest security protection
- Reduced / eliminated guard salary = quick ROI
- Expanding on an existing design means lower renovation costs due to floor and wall mounting construction
- Long life, easy to maintain and troubleshoot

## SUGGESTED SEGMENTS

- Data centres
- Financial
- Insurance
- Medical / pharmaceutical
- Government / military
- Airports
- Prisons
- Museums
- Archives
- Casinos

**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.
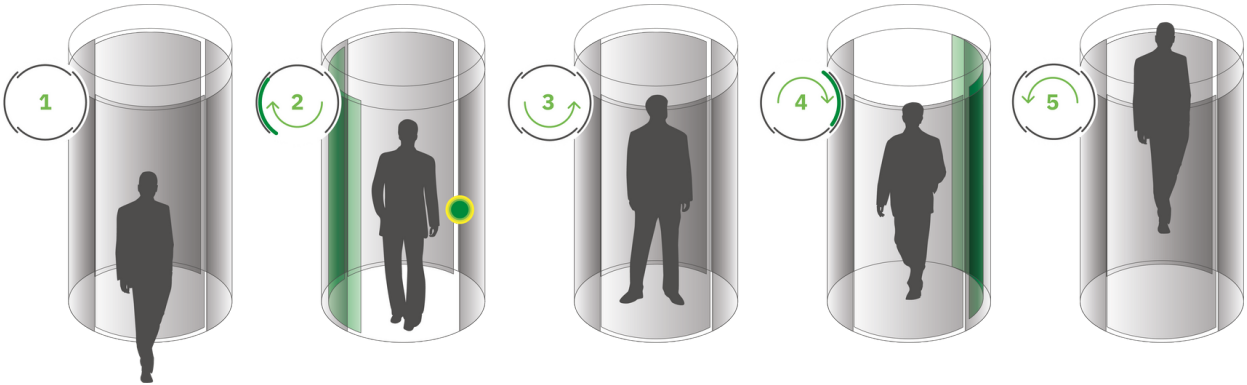
The specification table shows you our standard product options, and to the right of these, you can easily see, and consider, any compatible 'Level Up' options for fine-tuning the Circlelock Solo.
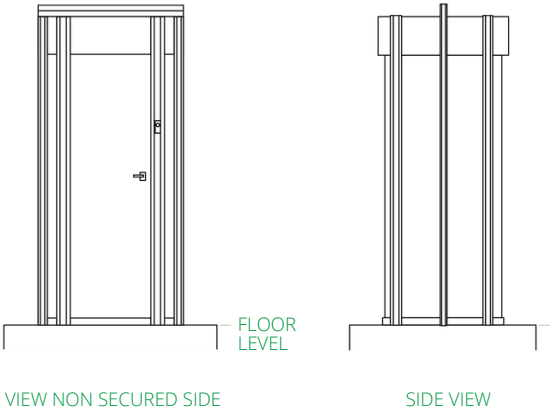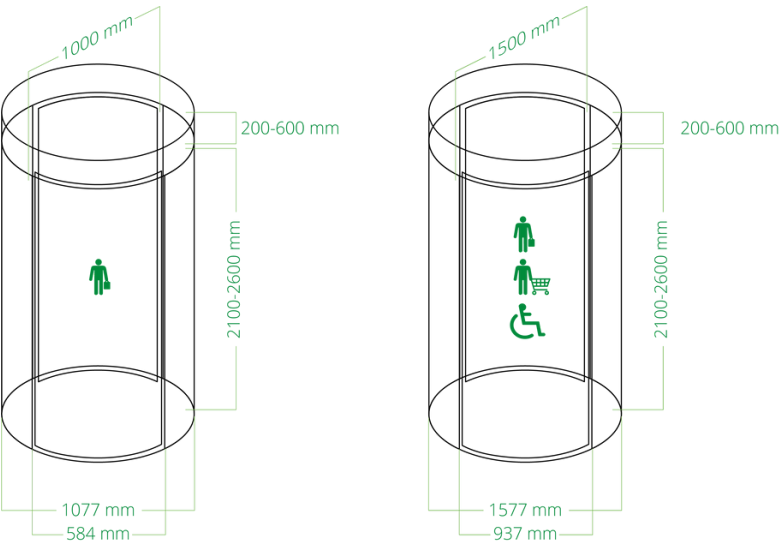
# TECHNICAL SPECIFICATIONS

**LEVEL UP** +

| **THROUGHPUT** | STANDARD | LEVEL UP OPTIONS |
| --- | --- | --- |
| Throughput | 5 people per minute | |
| Diameter | 1000 mm | 1500 mm |
| Height | 2200 mm | Available between 2100 - 2600 mm in increments of 100 mm |
| Canopy Height | 200 mm | Available between 200 - 600 mm in increments of 100 mm |
| Throat Opening | 584 mm | 937 mm |
| Number of Doors / Wings | 2 | |
| Flow | Bi-directional, one direction at a time | |

| **SECURITY** | STANDARD | LEVEL UP OPTIONS |
| --- | --- | --- |
| Tailgating Detection | Contact Mats | Weight System<br>Overhead StereoVision sensor system |
| Piggybacking Detection | Weight system, two direction | StereoVision, one-direction<br>StereoVision, two-direction |
| Security direction (Stereovision) | - | One-way detection or<br>Two-way detection |
| Biometric Authentication | - | Two-factor authentication possible. |

| **SAFETY** | STANDARD | LEVEL UP OPTIONS |
| --- | --- | --- |
| Escape route | No | No |
| Release functions (malfunction or power failure | Release button inside<br>Battery back-up | Pull release to open sliding door |
| Operation in case of Fire Alarm | Configured to open sliding doors | Configured to close and unlock |
| Protection Packages (glass) | Vandal resistant | Burglar-resistant RC3 package<br>Bullet-resistant package BR4NS |

| **AESTHETICS** | STANDARD | LEVEL UP OPTIONS |
| --- | --- | --- |
| Material | Power Coated Aluminium | Anodic coating, Anodizing, stainless steel |
| Glass Panels | Laminated safety glass (P2A)<br>Vandal-resistant | Burglar-resistant glass P5A / P6B<br>Bullet-resistant glass BR4NS |
| Wrapping / Branding | Not as standard | Glass decals with logo |

| **TECHNOLOGY** | STANDARD | LEVEL UP OPTIONS |
| --- | --- | --- |
| Power Supply | 110 - 240 V, 50 / 60 Hz | **TOUCHLESS INTEGRATIONS:** |
| Operating Power | 65W - Operating<br>45W - Stand-by | • BoonTouch External Control Panel<br>• Card and tag readers |
| Operating Temperature | -20°C to +50°C | • Mobile / bluetooth readers<br>• Facial and iris recognition |
| Weight | 750 kg | • Touchless fingerprint and vein readers |
| Access Control | Dry contacts for virtually any access control system | Card reader mount inside and outside CL for virtually any conventional or touchless access control system |

| **COMFORT** | STANDARD | LEVEL UP OPTIONS |
| --- | --- | --- |
| Disabled Access | - | Supervised entry possible, Interlocking overruled |
| Lighting and Sound | - | Voice module<br>LED lights |

# 6 WORKING PRINCIPLE



## TECHNICAL DIMENSIONS



1000 mm

200-600 mm

2100-2600 mm

1077 mm

584 mm

1500 mm

200-600 mm

2100-2600 mm

1577 mm

937 mm

FLOOR LEVEL

VIEW NON SECURED SIDE

SIDE VIEW

> The Circlelock Solo is the ultimate defence against intrusion into sensitive areas of a building.

## SERVICE AND MAINTENANCE

With hundreds or 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 security 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 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 Circlelock Solo complies with the following European standards:**

- Machine Directive 2006/42/EC
- EMC Directive 2014/30/EC
- RoHS Directive (2011/65/EU)
- EN1627 – Burglar resistant package
- EN1063 / EN1522 – Bullet resistant package
- EN356 – Glass specification

# OUR REACH
# IS GLOBAL.

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**

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