



YOUR
ENTRY
EXPERTS.

HIGH LEVEL SECURITY



CIRCLELOCK SOLO.



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.



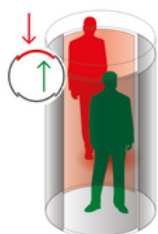
OVERVIEW

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.

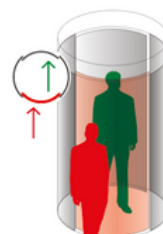
- **Contact mats:** the Circlelock Solo comes standard with a full zone contact mat which prevent tailgating in the same direction as well as in the opposite direction.
- **Weight system:** extra prevention against basic piggybacking can be provided by means of an accurate weight system which is embedded 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.

'LEVEL UP' THE SECURITY FEATURES

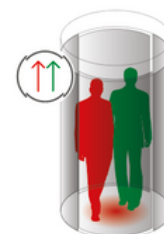
The Circlelock Solo comes with an array of possible security packages ranging from tailgating detection up to piggybacking detection. For those looking for the ultimate fortress, the most sophisticated available option is an overhead sensor system – called StereoVision that accurately detects and prevents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



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



**TAILGATING:
IN SAME 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
- 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
- Support for emergency egress (subject to local regulations)
- Supervised disabled entry is possible

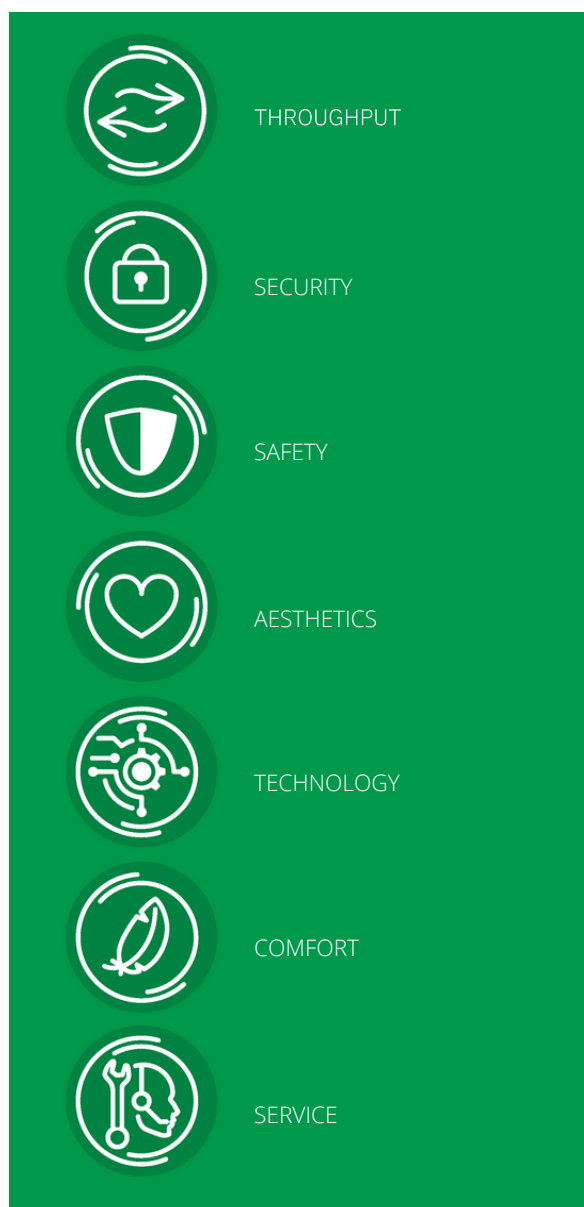
KEY BENEFITS

- 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:



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.



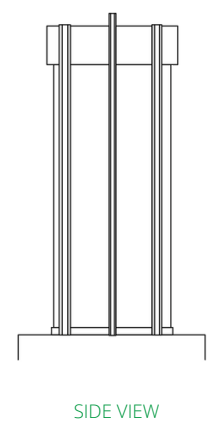
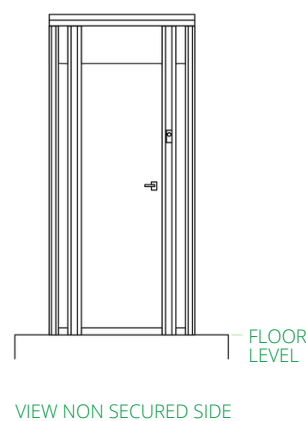
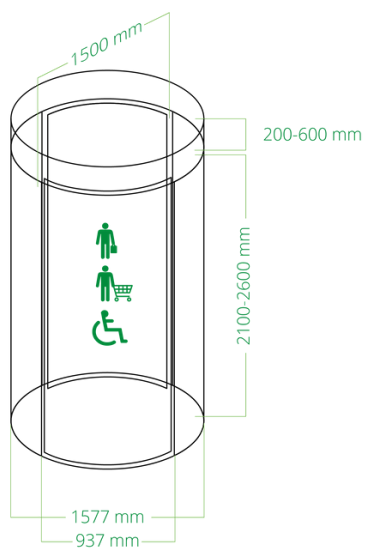
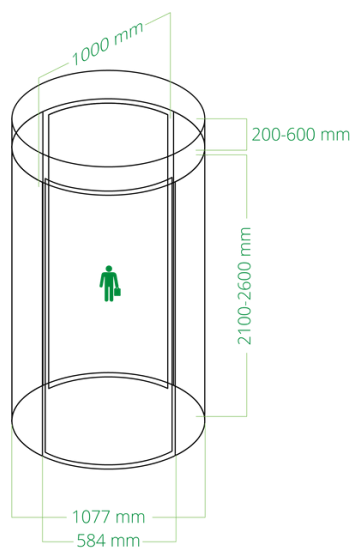
TECHNICAL SPECIFICATIONS

 THROUGHPUT	STANDARD	LEVEL UP OPTIONS
Throughput	5 - 6 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 mat	Overhead sensor system
Piggybacking Detection	Weight system	StereoVision
Security Direction	One-way detection	Two-way detection available
Biometric Authentication	-	Two-factor or multi-factor authentication possible.
 SAFETY	STANDARD	LEVEL UP OPTIONS
Emergency Egress	No	Battery back-up (Subject to local regulations)
Operation in case of power failure	Fail safe	Fail secure - Pull release opens fail secure door from secure side
Operation in case of Fire Alarm	Option to configure to open or close on fire alarm	Fail secure - Pull release opens fail secure door from secure side
Protection Packages (glass)	Vandal resistant	Burglar-resistant RC3 package Bullet-resistant package BR4NS
 AESTHETICS	STANDARD	LEVEL UP OPTIONS
Material	Power Coated Aluminium	Anodizing, stainless steel, brass
Glass Panels	Laminated safety glass (P2A) Vandal-resistant	Burglar-resistant glass P5A / P6B 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: <ul style="list-style-type: none"> • BoonTouch External Control Panel • Card and tag readers • Mobile / Bluetooth readers • Facial and iris recognition • Touchless fingerprint and vein readers • Free-out sensor activation
Operating Power	65W - Operating 45W - Stand-by	
Operating Temperature	-20°C to +50°C	
Weight	750 kg	
Access Control	Dry contacts for virtually any access control	
 COMFORT	STANDARD	LEVEL UP OPTIONS
Disabled Access	-	Supervised entry possible, Interlocking overruled
Lighting and Sound	2x LED ceiling lights	Voice module Customised lighting possible

6 WORKING PRINCIPLE



TECHNICAL DIMENSIONS





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/contact



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