



HIGH LEVEL SECURITY

CIRCLELOCK COMBI.

THE HIGH SECURITY **CONNECTION PORTAL**





OVERVIEW

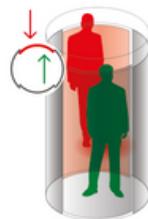
With all of the security features of a high security portal, the Circlelock Combi is a retrofit option for companies looking to upgrade their security level, while utilizing the additional protection of an existing fire / smoke / airtight-rated door. The interlocking half portal attaches to an existing swing door, saving on both space and renovation costs and transforming an ordinary door into a high security entrance, capable of protecting the most sensitive areas from unauthorized entry and piggybacking.

The Circlelock Combi is a half portal that can be attached to a swinging door, either on the secure or non-secure side of the sensitive area. On authorization, the first door opens allowing a user to enter the portal. An integrated security system, StereoVision®, confirms the user is alone and the second door opens, completing the passage into the secure area. A secondary biometric system such as facial recognition (by others) can be used to confirm identity inside the portal.

'LEVEL UP' ON SECURITY FEATURES

The Circlelock Combi comes with a number of possible security options ranging from two-way piggybacking detection up to multi-factor authentication. Our StereoVision anti-piggybacking system is the most sophisticated on the market and can accurately detect and prevent two users from entering the portal on a single authorized credential. The Combi comes standard with one-way StereoVision to detect piggybacking as users enter the secure area. Organizations looking to increase the security level of the Combi can also consider the following features:

- **Two-way StereoVision:** with optional two-way StereoVision, organizations 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 STEREOVISION



**PIGGYBACKING:
IN SAME DIRECTION**
DETECTION VIA STEREOVISION

HEIGHTENING SECURITY WITH THE ULTIMATE INTERLOCKING SECURE PASSAGE

Due to their focused working principle, security portals offer the highest level of security and are intended for unmanned areas. The Circlelock Combi is cleverly designed to fit over an existing swinging door, creating a solution is both practical and cost effective to install for the long term. Using the most innovative and up-to-date security technologies, you can rest assured knowing your valuables are safe and sound.

KEY FEATURES

- Space-efficient, cylindrical compartment with interlocking door system for accurate tailgating detection
- Attaches to existing swinging door (standard or fire / smoke / airtight-rated)
- Anti-piggybacking system (StereoVision – one or two-way)
- Working principle supports bi-directional traffic, multi-factor authentication
- Self-managed - no manned supervision is required
- Steel floor construction facilitating mounting on a computer floor
- On-board user communication system (integrated visual and audio feedback signalling)
- Seamless integration and feedback with access control systems, biometric devices and building management systems



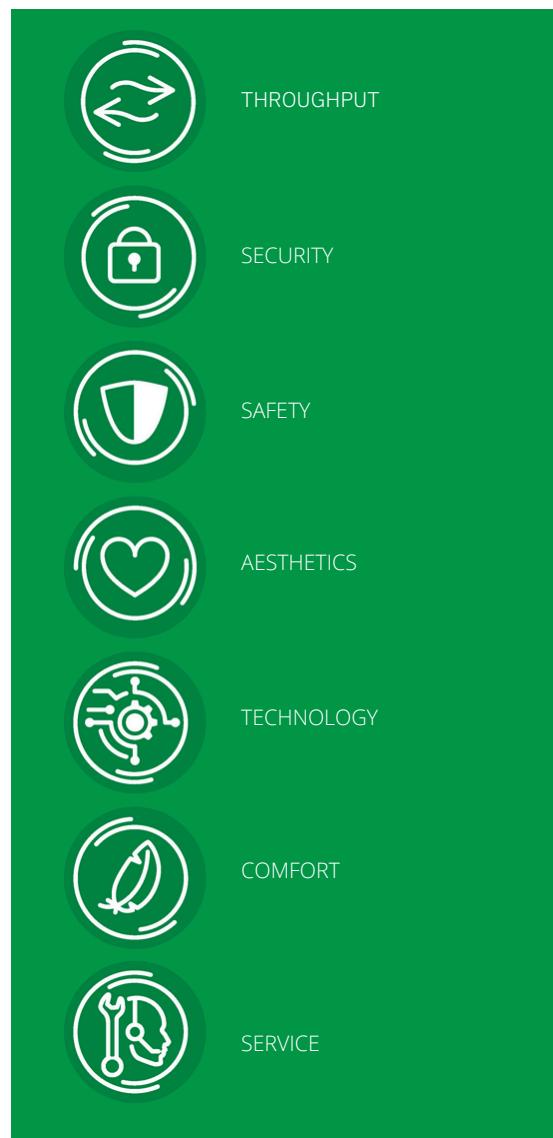
KEY BENEFITS

- Highest security protection
- Reduced / eliminated guard salary = quick ROI
- Maintain fire / smoke / airtight-rated protection of an existing swing door and partition walls
- Lower renovation costs due to floor and wall mounting construction
- Long life, easy to maintain and troubleshoot

SUGGESTED SEGMENTS

- Data centers
- Financial
- Insurance
- Medical / pharmaceutical
- Government / military

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 Combi.



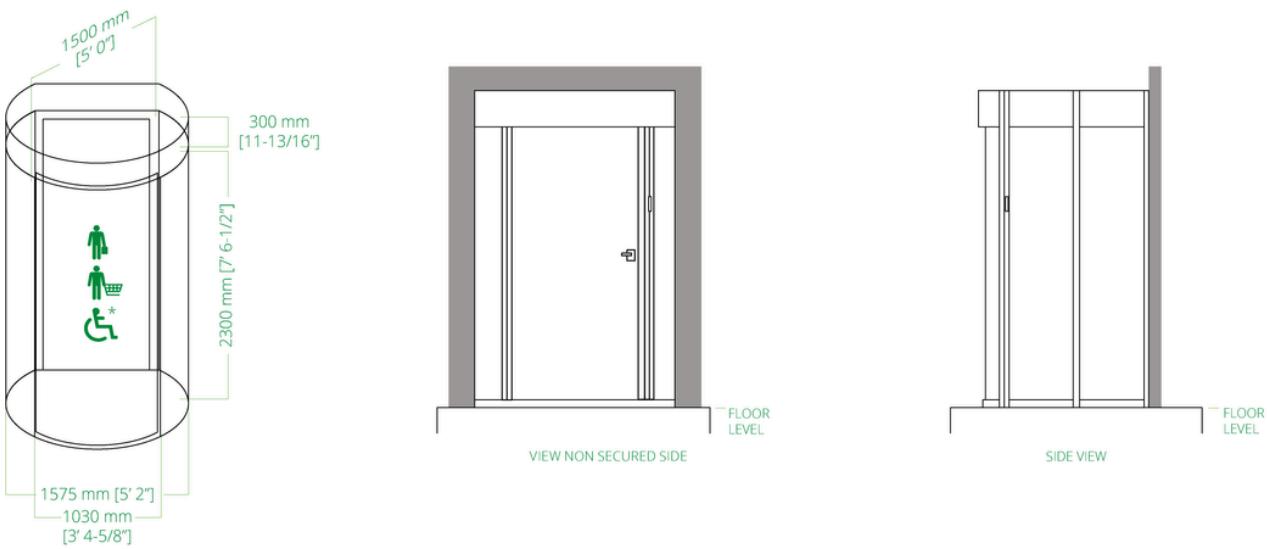
TECHNICAL SPECIFICATIONS

THROUGHPUT	STANDARD	LEVEL UP OPTIONS
Throughput	5 - 6 people per minute	
Diameter	5' 0" / 1500 mm	
Height	8' 6-3/8" / 2600 mm	
Canopy Height	11-13/16" / 300 mm	
Throat Opening	3' 4-5/8" / 1030 mm	
Number of Doors / Wings	1	
Flow	Bi-directional, one direction at a time	
SECURITY	STANDARD	LEVEL UP OPTIONS
Tailgating Prevention	Unauthorized user can't enter the compartment after an authorized user completes entry/exit	
Piggybacking Prevention	One-way piggybacking prevention from non-secure to secure side only.	Two-way piggybacking prevention
Biometric Authentication	-	Internal biometric post for two- or multi-factor authentication
SAFETY	STANDARD	LEVEL UP OPTIONS
Emergency Egress	N/A - subject to local regulations	
Operation in Case of Power Failure	Non-secure side door opens, secure side swing door operation dependent on lock hardware	Fail-safe or fail-secure
Operation in Case of Fire Alarm	Field configurable to client's specifications	
Battery Back-Up	Executes actions described in "Operation in Case of Power Failure" above	
AESTHETICS	STANDARD	LEVEL UP OPTIONS
Material	Anodized aluminum	Powder coated aluminum, stainless steel, additional finishes available on request
Sliding Glass Panel	Laminated or tempered safety glass	
Wrapping / Branding	-	Glass decals, tinted or frosted barriers
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• Mobile / Bluetooth readers• Facial, iris recognition, other biometric devices for touchless entry• Free-out push button activation
Operating Power	65W - Operating 45W - Stationary	
Operating Temperature	-4°F to +122°F	
Weight	1500 lbs / 680 kg	
Access Control	Dry contacts for virtually any access control	
COMFORT	STANDARD	LEVEL UP OPTIONS
Disabled Access	-	Adjacent swing door required by code
Lighting and Sound	LED ceiling lights and voice module	

WORKING PRINCIPLE



TECHNICAL DIMENSIONS





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 specialized service and maintenance contracts that correspond to those conditions perfectly.

COMPLIANCE

Boon Edam security entrances are trusted solutions that allow organizations 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 Combi complies with the following North American standards:

- UL 325 & 2593
- CSA 22.2#247



OUR REACH IS GLOBAL.

We have been in business for 150 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.us/contact



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 **BOON EDAM**
YOUR **ENTRY** EXPERTS.