



HIGH LEVEL SECURITY



BOON EDAM
YOUR ENTRY EXPERTS.

CIRCLELOCK COMBI.

THE HIGH SECURITY **CONNECTION PORTAL**

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 saving on both space and renovation costs and having the additional protection of a fire / smoke / airtight-rated door. The interlocking half portal attaches to an existing swing door, transforming an ordinary door into a high security entrance, capable of protecting the most sensitive areas from unauthorised entry and piggybacking.





OVERVIEW

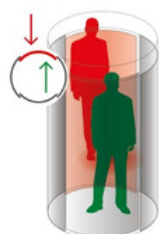
The Circlelock Combi is a half portal that can be attached to a swinging door, either on the secure or non-secure side of the sensitive area. On authorisation, the first door opens allowing a user to enter the portal. An integrated security system confirms the user is alone and the second door opens, 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.

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

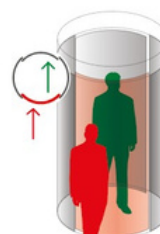
- **Contact mats:** the Circlelock Combi comes standard with a full zone contact mat which prevent tailgating in the same direction as well as in the opposite direction.
- **Weight system:** extra prevention against basic piggybacking can be provided by means of an accurate weight system which is embedded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



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



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



PIGGYBACKING:
DETECTION VIA WEIGHT SYSTEM
AND 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 cylinder compartment with interlocking door system for accurate tailgating detection
- Anti-piggybacking system (StereoVision – one or two-way)



- Working principle supports bi-directional traffic, multi- factor authentication
- Steel floor construction facilitating mounting on a computer floor
- Attaches to existing swinging door (standard or fire/smoke/airtight-rated)
- 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
- Supervised disabled entry is possible

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 centres
- 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 Combi.



TECHNICAL SPECIFICATIONS



THROUGHPUT

STANDARD

LEVEL UP

Throughput	5 - 6 people per minute	OPTIONAL
Diameter	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	937 mm	
Number of Doors / Wings	1	
Flow	Bi-directional, one direction at a time	



SECURITY

STANDARD

LEVEL UP OPTIONS

Tailgating detection	Contact Mats	Overhead sensor system
Piggybacking detection	Weight System	StereoVision
Security Direction	One-way detection	
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	Anodiccoating, 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	230V, 50 Hz	TOUCHLESS INTEGRATIONS: • 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 Temperature	-20°C to +50°C	
Weight Access	680 kg	
Control	Dry contacts for virtually any access control	
		Card reader mount



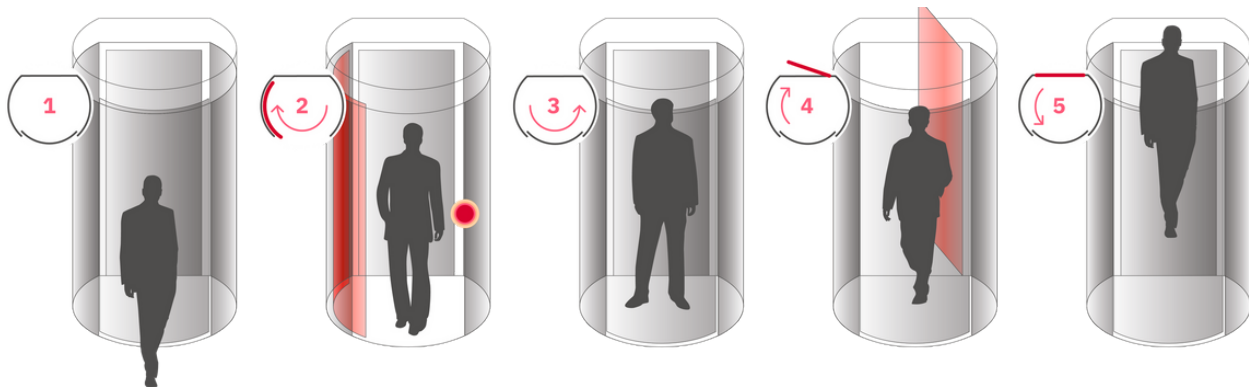
COMFORT

STANDARD

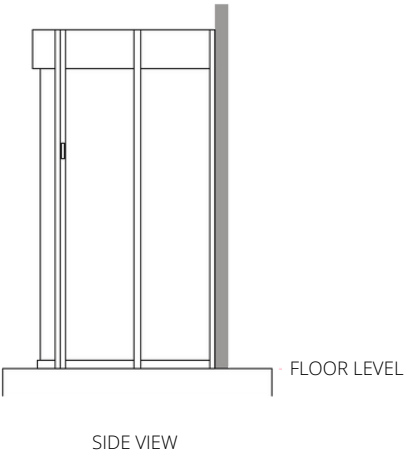
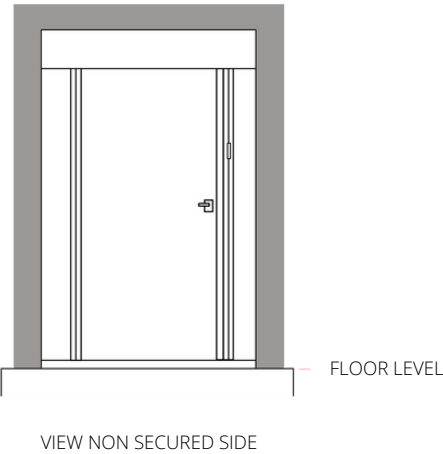
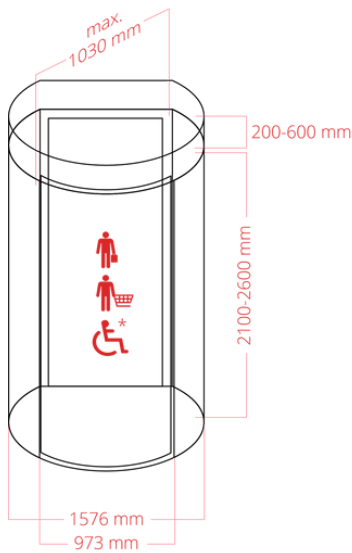
LEVEL UP OPTIONS

Disabled Access	Not as standard (Passage width of 900+ mm)	Supervised entry possible, Interlocking overruled
Lighting and Sound	Standard overhead LED ceiling lights	Voice module Customised lighting possible

WORKING PRINCIPLE



TECHNICAL DIMENSIONS



*Interlocking overruled.
Supervised.



SERVICE AND MAINTENANCE

With hundreds of thousands of visitors passing through the entrance every day, uninterrupted and reliable operation is vital. Regular service and maintenance can prevent unexpected equipment failures. Monador's service and maintenance teams across Türkiye and neighboring countries have extensive experience with how local conditions affect the wear and tear of your entrance solutions. They offer customized service and maintenance contracts perfectly tailored to these conditions.

COMPLIANCE

Monador 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.

The Circlelock Combi complies with the following European standards:

- Machine Directive 2006/42/EC
- EMC Directive 2014/30/EC
- EN1627 – Burglar resistant package
- EN1063 / EN1522 – Bullet resistant package
- EN356 – Glass specification

CLIMATIZATION

The process of adjusting the temperature, humidity, cleanliness and air movement of a closed environment according to human health and comfort is called air conditioning. We know that our automatic door models, which combine advanced technology with research on human behavior and building environment, will contribute to sustainable and healthy buildings. With smart sensors, adaptive operating modes and connectivity, we can ensure that every building makes a difference and contributes to the future of green buildings.



EXPERIENCE AND KNOWLEDGE

Monador Automatic Door Systems Trade Inc. is the leading organisation that laid the foundations of the sector. With this understanding, we are proud to continue to provide the service of automatic sliding, magnetic sliding, revolving, security system doors, which we have been implementing in Turkey and the Middle East since 1988. As a result of the experience and knowledge we have gained, with our professional teams, we provide 24/7 service to our customers after sales or after assembly. Our products with superior technological equipment are provided to provide trouble-free service.

SERVICE & MAINTENANCE SUPPORT

Our periodic maintenance packages are **Platinum**, **Gold** and **Silver** presented in three categories.

✉ info@monador.com.tr

☎ 0212 216 98 18

✉ servis@monador.com.tr

☎ 0212 211 9 211 (In Business Hours)

☎ 0532 465 55 06 - 0532 465 55 07 (Other)



www.monador.com.tr



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