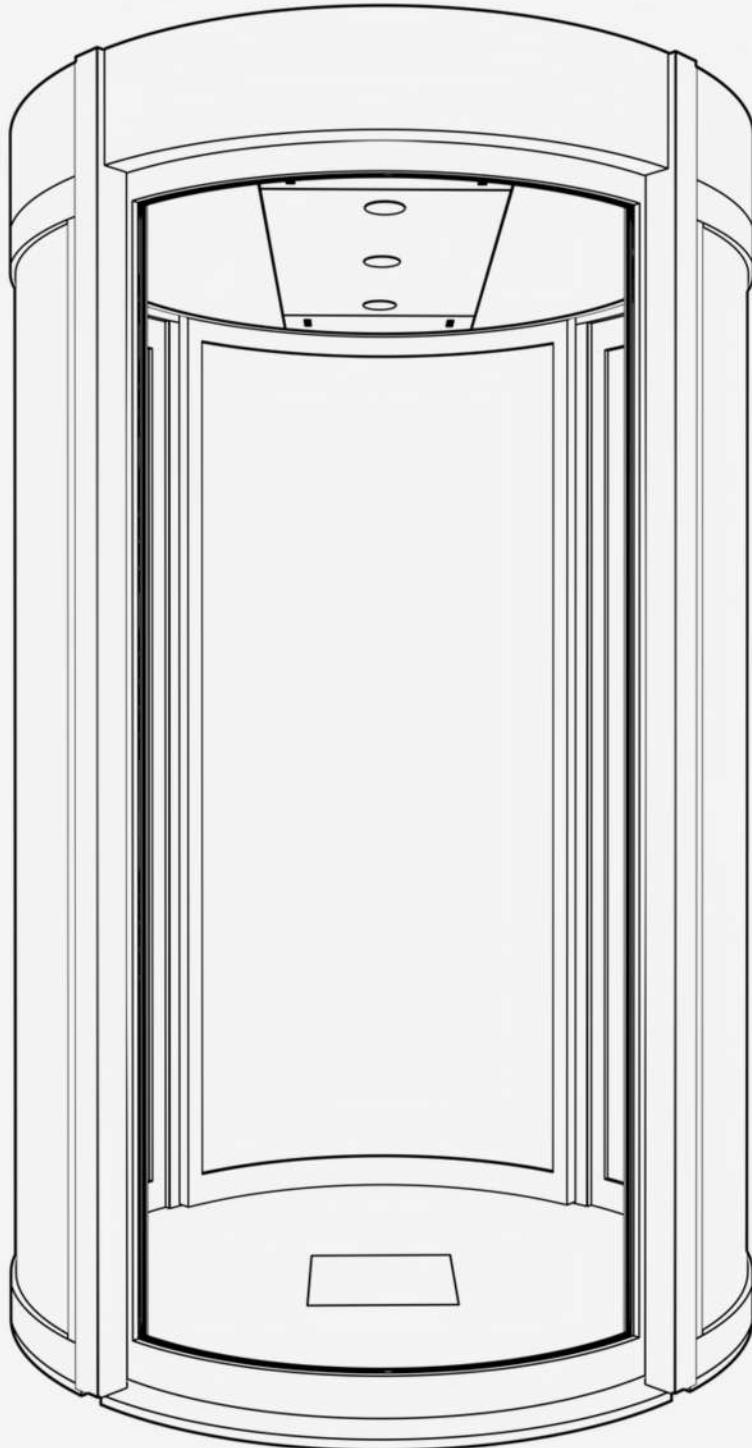


VIGREL SOLUTIONS

CONTROLLED ACCESS



MANTRAP PORTAL

The Ultimate Controlled-Entry Security Portal

Technical Product Brochure



The Mantrap Turnstile is a high-security access control system designed to manage and regulate entry into sensitive or restricted areas. Equipped with a precision-engineered sliding curved gate, it works in coordination with advanced authentication systems to ensure that only one individual is granted access at a time. This intelligent control mechanism effectively eliminates the risks of tailgating, piggybacking, and unauthorised entry.

The system supports seamless integration with biometric, RFID, and facial recognition technologies, along with optional fire escape functionality — making it ideal for data centres, critical infrastructure, corporate offices, and other high-security environments.

Available in a range of configurations, our Mantrap Turnstile solutions are designed to accommodate both compact spaces and high-traffic zones — offering scalable, secure, and user-friendly access control without compromise.



Target Sector



Data Centers



Financial Institutions



Insurance



Medical / Pharmaceutical



Government / Military



Airports



Prisons



Museums



Archives

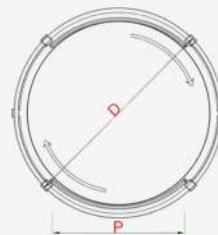
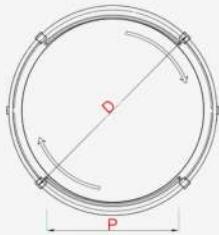


Casinos

MANTRAP-CLASSIC



Standard units	MT-C-GW	MT-C-SW
Construction Outside diameter (D)	1200 mm, 1500 mm	1200 mm, 1500 mm
Passage width	620 mm, 1000 mm	620 mm, 1000 mm
Total height	2300 mm - 2500 mm	2300 mm - 2500 mm
Passage height (P)	2100 mm - 2300 mm	2100 mm - 2300 mm
Body	Stainless steel or powder coated Finish With Glass Enclosure Wall	Stainless steel or powder coated Finish
Sliding Glass Panels	Laminated safety glass	Laminated safety glass
Throughput	4 - 5 People	4 - 5 People
Operation	Automatic	Automatic
Upgrade: Biometric authentication	Internal biometric post for two- or multi-factor authentication	Internal biometric post for two- or multi-factor authentication
Tailgating prevention	Prevents unauthorized entry after an authorized user passes through	Prevents unauthorized entry after an authorized user passes through
Power failure / Emergency	Secure side door locks and the non-secure side door unlocks and opens	Secure side door locks and the non-secure side door unlocks and opens
Operation on fire	Both doors unlock and open	Both doors unlock and open
Power supply	Power supply 230 VAC, 50 Hz.	Power supply 230 VAC, 50 Hz.
Operating temperature	-10 deg to 50 deg	-10 deg to 50 deg
Weight	620 kg	620 kg
Lighting and sound	LED ceiling lights and voice module	LED ceiling lights and voice module



Built for maximum durability and security, this model features a robust steel body with a premium powder-coated finish. Engineered to withstand demanding conditions, it offers long-lasting performance while seamlessly complementing modern architectural designs.

Key Highlights:

- Resistant to scratches, wear, and corrosion
- High-strength, tamper-proof structure
- Customizable finish to match interiors
- Wide RAL colour options available
- Perfect for heavy-duty and high-security environments



With its sleek stainless-steel frame and full-glass design, this version combines modern aesthetics with uncompromising security. The transparent construction ensures clear visibility while creating a sophisticated and open look.

Key Highlights:

- Premium, contemporary appearance
- Transparent walls for easy monitoring
- Creates an open and welcoming environment
- Ideal for airports, banks, corporate offices & premium facilities



MANTRAP-COMBI



Standard units	MT-CB-GW
Construction Outside diameter	1500 mm
Passage width	1000 mm
Total height	2300 mm - 2500 mm
Passage height	2100 mm - 2300 mm
Body	Stainless steel or powder coated Finish With Glass Enclosure Wall
Door	Curve Sliding and Flat Fire Door
Throughput	5 - 6 People
Operation	Automatic - Manual
Upgrade: Biometric authentication	Internal biometric post for two- or multi-factor authentication
Tailgating prevention	Prevents unauthorized entry after an authorized user passes through
Power failure / Emergency	Secure side door locks and the non-secure side door unlocks and opens
Operation on fire	Both doors unlock and open
Power supply	Power supply 230 VAC, 50 Hz.
Operating temperature	-10 deg to 50 deg
Weight	600 kg
Lighting and sound	LED ceiling lights and voice module



The Vigrel Combi is a compact, high-security portal that combines a curved sliding door on one side with an existing fire-rated swing door on the other. This smart retrofit solution transforms a standard doorway into a fully controlled mantrap, ensuring maximum protection while maintaining fire compliance.

Using advanced load-cell and pressure-mat technology, the system reliably detects if more than one person attempts to enter at a time.

Key Highlights:

- Retrofits to existing fire-rated swing doors
- Curved sliding door creates a secure vestibule
- Load-cell & pressure-mat detection for multiple-person control
- Supports multi-factor authentication (card, PIN, biometric, etc.)
- Customizable finish to match interiors
- Wide RAL colour options available





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