ADVANCED ENGINEERING UK TECHNOLOGY

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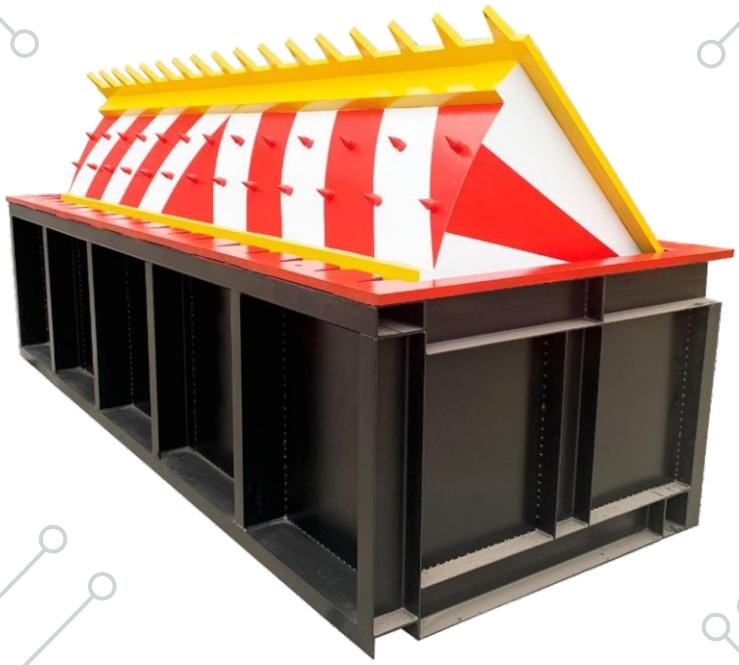
ENTRANCE MANAGEMENT SYSTEMS

VV-VM7000-RBZ4
Intrusion Resistant Road Blocker



FEATURES

- Crash-resistant design to prevent forced vehicle entry into high-security areas
- Road blocker integrated with electro-hydraulic control unit driven by electric motor
- Rapid rising time of 3–5 seconds ensures quick response during security events
- Hydraulic operation designed for intensive use
- Anti-corrosion finish
- Designed for protection against vehicle impact from multiple directions
- Supports access control integration and optional operation during power failure

CE FC RoHS

TECHNICAL SPECIFICATIONS

VV-VM7000-RBZ4

Parameter	Specifications
Drive Mechanism	Hydraulic
Raised Height Above Ground	650 mm
Blocking Width	3,000 / 4,000 / 5,000 / 6,000 mm
Road Blocker Depth	880 mm
Overall Dimensions	(Blocking width + 180 mm) L × 1,260 mm W × 880 mm D
Overall Length Options	3,180 / 4,180 / 5,180 / 6,180 mm
Top Plate Thickness	25 mm
Normal Rising Time	3–5 seconds
Emergency Fast Operation (EFO)	Optional; emergency rising time approximately 1.5 seconds
Duty Type	Intensive use
Surface Finish	Anti-corrosion treatment
Protection Class	IP67
Reflective Adhesive Strip	Optional reflective strip for enhanced visibility
LED Warning Light	Optional LED warning light for visual alert
Manual Operation	Manual hand pump for operation during power failure
Control Unit Voltage	380 VAC 50/60 Hz / 12 VDC
Rated Power	3 kW for 3 m, 4 m and 5 m widths; 4 kW for 6 m width
Hydraulic Station Dimensions	700 mm L × 500 mm W × 1,350 mm H
Service Life	10 years
Operating Temperature	-40°C to +70°C; heating provision for low-temperature operation
Operating Humidity	≤95%, non-condensing
Impact Test Performance	6,800 kg vehicle at 65 km/h; equivalent to DOS K8 / ASTM F2656 M40
Anti-Slip Cover Plate	A3 steel cover plate with anti-slip coating available

Optional Accessories and Integration

Item	Description
Emergency Fast Operation	EFO emergency start-up circuit with approximately 1.5-second rising time
Emergency Buttons	Emergency buttons with lockdown function
Hydraulic Accumulator	Enables hydraulic operation during power failure
Electrical Backup	UPS backup for the electrical system
Access Control Integration	Interface with access control systems
Intercom Integration	Interface with intercom systems
Interlocking System	Air-lock type protection for sites with higher threat levels
Vehicle Detection	Inductive loop detectors and inductive loops
Traffic Lights	Red/green traffic signals for vehicle movement control
Status Indication	Visual indicators for road blocker operating status
Anti-Slip Surface	A3 steel cover plate with anti-slip coating
Drainage Pump	Drainage pump for removal of accumulated water from the road blocker pit

*Exact products and specifications shown may vary by geographic region and are subject to change without notice. Product image, weights and measurements are approximate and may vary.

TECHNICAL SPECIFICATIONS

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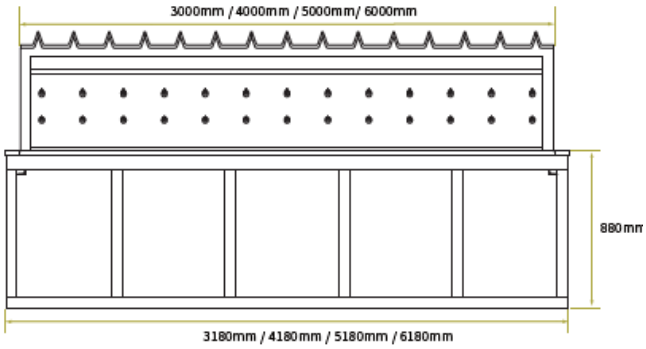
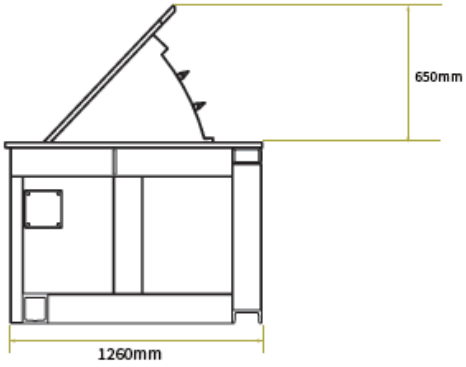
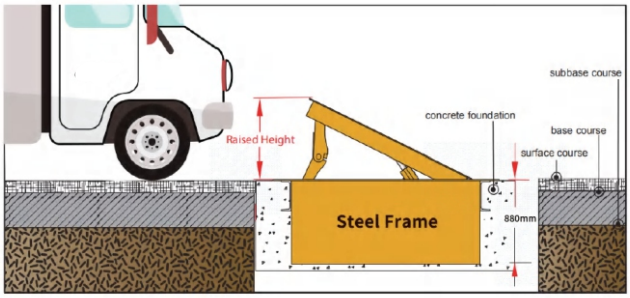
DIMENSIONS:

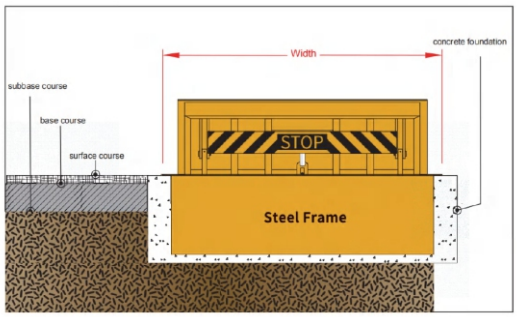




SIDE VIEW:



FRONT VIEW:



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