

VEHICLE ENTRANCE MANAGEMENT SYSTEMS






VV-VM3001HD-BLZ4 CRASH RATED HYDRAULIC AUTOMATIC BOLLARD



FEATURES

- Automatic hydraulic bollard for robust security and impact resistance
- Ultra fast raising and lowering speed of bollard (optional EFO)
- Emergency release function in case of power failure
- Reliable technology for most intense use at all temperatures and weather conditions
- High grade reflector for long distance visible warning (optional LED light)
- Operated through external/built-in hydraulic pump unit and PLC control system with panel button/remote control
- IP68 ingress protection rating
- K4/PAS68 crash rated highly tensile carbon steel construction



 100% Duty Cycle	 Hydraulic Drive	 K4 Crash Rated	 Remote Control	 IP68 Ingress Protection
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TECHNICAL SPECIFICATIONS

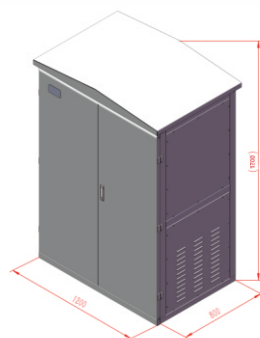
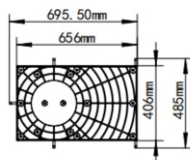
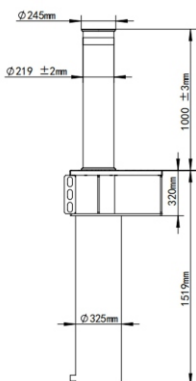
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Physical Features & Characteristics	Type	Automatic
	Drive	Hydraulic ram
	Cylinder Diameter	219mm±2mm
	Cylinder Intercept Height	1000mm±3mm
	Cylinder Material	Q345 Carbon Steel (optional 304/316 Grade SS)
	Rising Time	4-5s
	Cylinder Underground Depth	1520mm
	Top Led Lights	Optional
	Reflecting Adhesive Strip	Supported optional colors
	Hydraulic Unit Cycles	>3,000,000 cycles
	Cylinder Finish	ADG anti-corrosion treatment with RAL color options
	Working Voltage	AC 380V±10%,50/60Hz
	Protection Rating	IP68
	Working Temperature	-40°C~+70°C
	Bollard Dimension	656mm L x 485mm W x1520mm H
	Crash Test	PAS 68 & IWA14-1 by impact of 7500 Kg truck driving at 48 KMPH speed
Hydraulic Pump & PLC Control Unit	Heating Unit	Optional
	Power Supply	AC 380V/ AC220V
	Power Consumption	<11 KW
	EFO (Optional)	Supports emergency fast operation at ≤ 2 seconds
	Self Testing Programme	Supported
	Emergency Release	Supports raising/lowering of bollard in case of power failure
	Remote Control Distance	Up to 100 meters
	Communication Interface	RS-232, RS-485 (optional Ethernet RJ45)
	Air Leakage Switch	Supported
	PLC Control Voltage	DC 12V
	PLC Control Integration	Supports Traffic Light, Inductive Loop Detectors and optional access control equipment.
	IP Rating	IP54
	Dimension	1200mm L x 800mm W x 1700mm H (HPU+PLC control cabinet) 500mm L x 200mm W x 600mm H (PLC control cabinet)

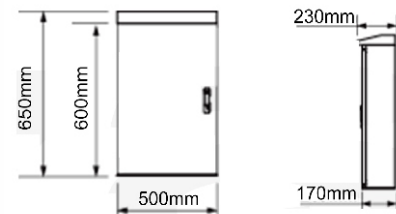
*Exact products and specifications shown may vary by geographic region and are subject to change without notice. Weights and measurements are approximate and may vary.

DIMENSIONS

Unit: mm



**HPU+PLC Control
(with EFO)**



PLC Control

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(AN ISO9001 : 2008, ISO14001:2004 CERTIFIED COMPANY)

