

VEHICLE ENTRANCE MANAGEMENT SYSTEMS

VV-VM2100HD-BLZ3

HYDRAULIC AUTOMATIC STAINLESS STEEL BOLLARD



FEATURES

Automatic hydraulic bollard designed for vehicle access control and security applications

Available with 600mm, 700mm, and 800mm rising height options, with other customized heights available upon request

Swift Rising time approximately 4 seconds

Emergency lowering function in case of power failure

High-grade 3M reflective tape for improved visibility with Integrated LED warning light

Operation method : control panel and remote control

IP68 ingress protection

AISI 304 grade stainless steel construction, optional SS316

Optional heating unit & safety reversal pressure switch

PLC-based control system with integration support for traffic lights, loop detectors, and access-control equipment

INGRESS
PROTECTION
RATING

IP68



100%
Duty Cycle



Hydraulic



Remote
Controller

TECHNICAL SPECIFICATIONS

VV-VM2100HD-BLZ3

Physical Features	Type	Automatic Hydraulic Bollard
	Cylinder Material	SUS304 stainless steel, optional SS316
	Cylinder Diameter	217mm
	Cylinder Intercept Height	600mm/ 700mm/ 800mm ; other customized heights available upon request
	Cylinder Thickness	Standard 6mm/ Optional 10mm impact tested for 1500kgs/100kmph
	Flange Diameter	400mm
	Flange Thickness	38mm
	Underground Depth	1150mm/ 1250mm / 1350mm
	Underground Diameter	325mm
	Movement Principle	Hydraulic drive
	Stainless Steel Finish	Brushed
	Visible Warning Signage	3M reflective tape with LED warning lights
	Emergency Release	Supports emergency lowering of the bollard in case of power failure
	Product Dimension	Φ400 × H1150mm / 400 × H1250mm / 400 × H1350mm ; Model-dependent
Hydraulic & Performance	Drive Type	Hydraulic with built-in pump
	Rising Time	4 sec
	Lifting Force	200 kg
	Emergency Lowering	Yes
	Safety Reversal Pressure Switch	Optional
	Oil Tank Capacity	1 Liter
	Heating Unit	Optional
	Overheating Protection	+120°C
Electrical & Environmental	IP Rating	IP68
	Power Supply	AC 220V / AC 380V
	Working Temperature	-40°C to +70°C
	Power Consumption	300 W
	Control Voltage	DC 12V
Hydraulic Drive Control System	Controller	Programmable logic controller (PLC)
	Self-Testing Program	Yes
	Emergency Lowering	Yes
	Remote Control Distance	Up to 30m
	Communication	RS-232 / RS-485 / Ethernet optional
	PLC Control Integration	Supports traffic light, inductive loop detectors and other access control equipment.
	Control Cabinet Finish	Outdoor spray paint

*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.

MODEL SELECTION:

Model	Cylinder Intercept Height	Product Dimension	Underground Depth
VV-VM2106HD-BLZ3	600mm	Φ400 × H1150mm	1150mm
VV-VM2107HD-BLZ3	700mm	Φ400 × H1250mm	1250mm
VV-VM2108HD-BLZ3	800mm	Φ400 × H1350mm	1350mm

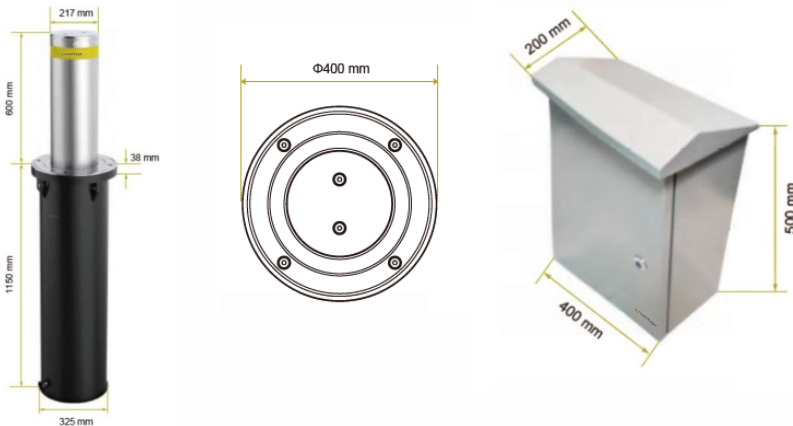
TECHNICAL SPECIFICATIONS

VV-VM2100HD-BLZ3

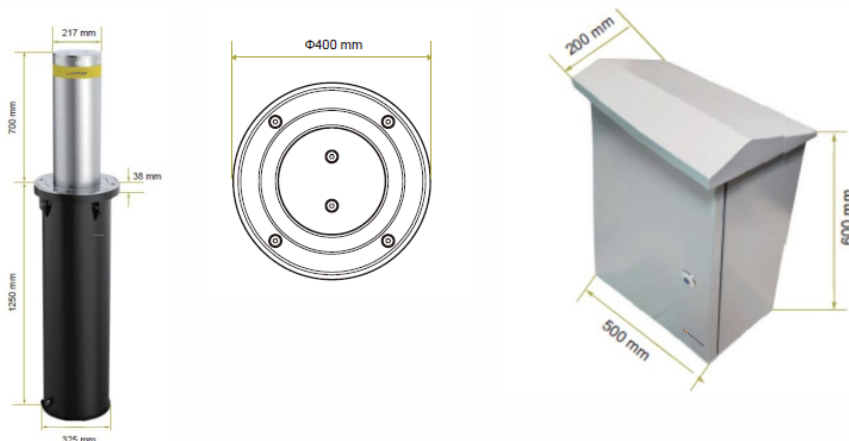
DIMENSIONS:

Unit: mm

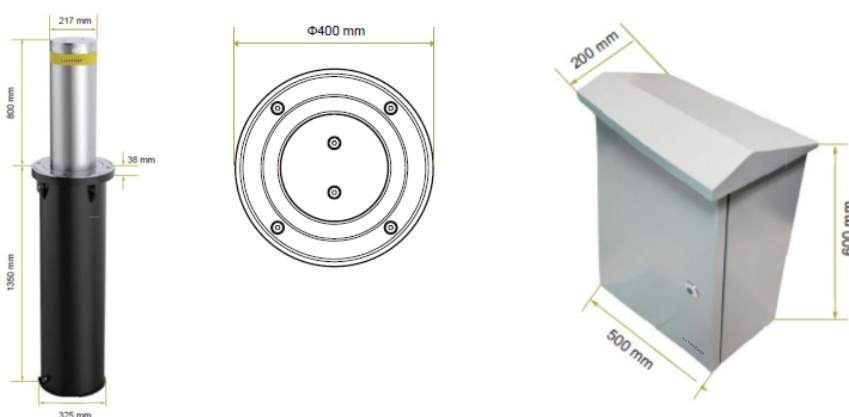
VV-VM2106HD-BLZ3: 600 mm



VV-VM2107HD-BLZ3: 700 mm



VV-VM2108HD-BLZ3: 800 mm



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