

## 220GS-600A Hydraulic Security Bollards



IP68



Dynamic LED lights  
3M Reflective tape



PLC Program  
Control Panel



with Display screen  
Outdoor control box

220GS-600A is a high-quality hydraulic bollard which is used widely to protect security areas from vehicle intrusion. It is an ideal solution for entrance with high security requirements. The solid body can stop the vehicle with high tonnage and high speed easily. Meanwhile, it has the advantage of invisibility and aesthetics.

- ◆ Oil-immersed hydraulic integrated actuator, low/high temperature resistant, stable performance.
- ◆ Passed the international SGS IP68 protection grade certification, can be immersed in water to work.
- ◆ PLC intelligent controller can easily integrate with IR, loop detector, or other access control system.
- ◆ Fast lifting speed, 2.5s for up, 2s for down.
- ◆ Optional heating function for extremely cold area.
- ◆ 304 stainless steel for cylinder & inside parts.
- ◆ Flange groove design for aesthetics and skid proof.
- ◆ Piston rod is treated with QPQ salt bath nitriding, more hardness and anti-rust capability.
- ◆ Multiple color LED with various dynamic mode.
- ◆ LED timing auto On/Off function.
- ◆ 3M-DG3 reflective tape, visual range 600m.
- ◆ Motor idling protection function.

## Specifications

Model No.	220GS-6000A
Brand	GS
Rising Time	2.5s
Dropping Time	2s
Dimension	φ400 * 1105mm
Height Aboveground	600mm (800mm Optional)
Height Underground	1105mm
Cylinder Diameter	219mm (273/324mm Optional)
Cylinder Thickness	6mm (8/10/12mm Optional)
Material of Cylinder	304 Stainless steel
Weight	130kg
Flange Thickness	10mm
Pre-embedded Section	Q235 Steel (A3)
Material of Actuator	304 Stainless steel with spraying plastics
Diameter of Piston Rod	18mm
Reflective Tape	3M-DG3, 50mm
LED Warning Light	RGB, various dynamic mode

  

Actuator Type	Oil-immersed
Lifting Force	130kg
Protection Rate	IP68
Power Supply	220V AC
Power Consumption	350W
Overheating Protection	75°C
Ambient Temperature	-40°C ~ 55°C
Oil Tank Capacity	4L
Heating Unit	Optional

Control System	TouchWin PLC with Display
Controller Box	Spray paint (Outdoor use)
Self-testing Program	Yes
LED Light Auto On/Off	Yes
Emergency Rise/Drop	Yes
Air Leakage Switch	Yes (CHNT Brand)
Power Supply	Taiwan Mean Well 220V AC
Remote Control Distance	100m (Bollard) / 30m (LED)

## Dimensions



## Hydraulic Actuator

Oil-immersed hydraulic actuator  
 Low temperature sensitivity  
 No fear of any harsh environment



## PLC Control Box

Waterproof design  
 Widely integration usage  
 Programmable Logic Controller



## Related Components



Bollards



Control Box



Remote Control



LED Remote Control