

Pneumatic Bollard



Automatic Pneumatic Bollards Impact Test Certificate



Our pneumatically driven automatic bollards are designed to control access and enhance perimeter security while adding to the overall aesthetics of any install location. Every System is built to the highest of standards, are easy to maintain, and will completely integrate with any existing access control or security components and systems.

Madoors pneumatic rising bollards are designed for high security vehicle entrances, army, industrial, governmental and commercial buildings or streets which are closed to vehicle traffic between certain hours of the day. Both "High Security" and "Commercial" type Madoors Pneumatic Rising Bollards have the same strength, whereas "Commercial" bollards are shorter than the "High Security" ones. The thickness of the bollard, the underground construction, the self-lubricating sealing and guide ring made of special plastic types, pneumatic piston, flange thicknesses and diameters, pneumatic connections, installation and drainage procedures etc. are all the same. These units are designed to K12 / pas68 standards. Finite element analysis can be supplied upon request. Typical raise/lower time is 3 seconds but it is possible to design the system to raise/lower in 1.5 seconds.

Adres : Saray Mahallesi / Atom Caddesi / Küme Evleri No : 155 Kahramankazan ANKARA / TÜRKİYE

www.madoors.com.tr e-mail : info@madoors.com.tr Tel : 00 90 312 354 64 22 Mobil Tel : 00 90 530 174 30 56



Pneumatic Automatic Retractable or Automatic Pneumatic Rising Telescoping Bollards are used in high traffic areas. Where deploying and retracting automatic bollards is higher in frequency. The Madoors's bollards can raise or lower on command in 3 to 5 seconds.

The Madoors Automatic bollards we use are Pneumatic, Hydraulic, and Electronic Piston Drive Systems. Each system has its own unique characteristics with how it moves the automatic bollards, and also differences in their efficiency and maintenance. Electronic Piston Drive Systems uses an electric motor to push the piston within the cylinder. These systems have the highest precision control, and are also the quietest of all the other systems. Pneumatic uses compressed air to move a piston in a linear motion within the cylinder. The advantages of this system is its simplicity, accuracy, minimal maintenance, and the cost being less. Hydraulic systems use an in-compressible fluid being pushed by a pump within the cylinder. To give the automatic bollards their linear motion. The hydraulic system has the highest force output being almost 25 times greater force than a pneumatic system.

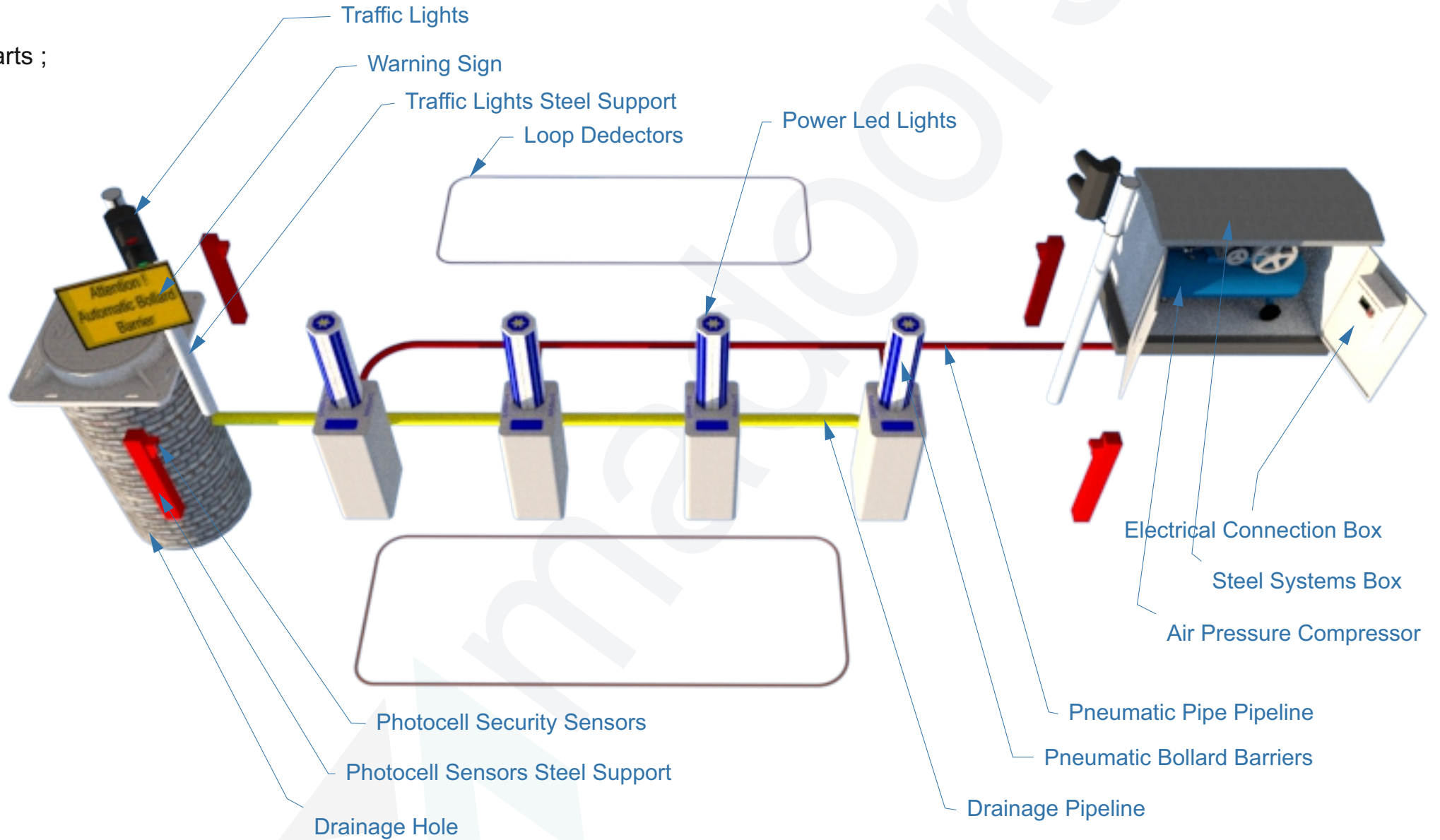


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Parts ;

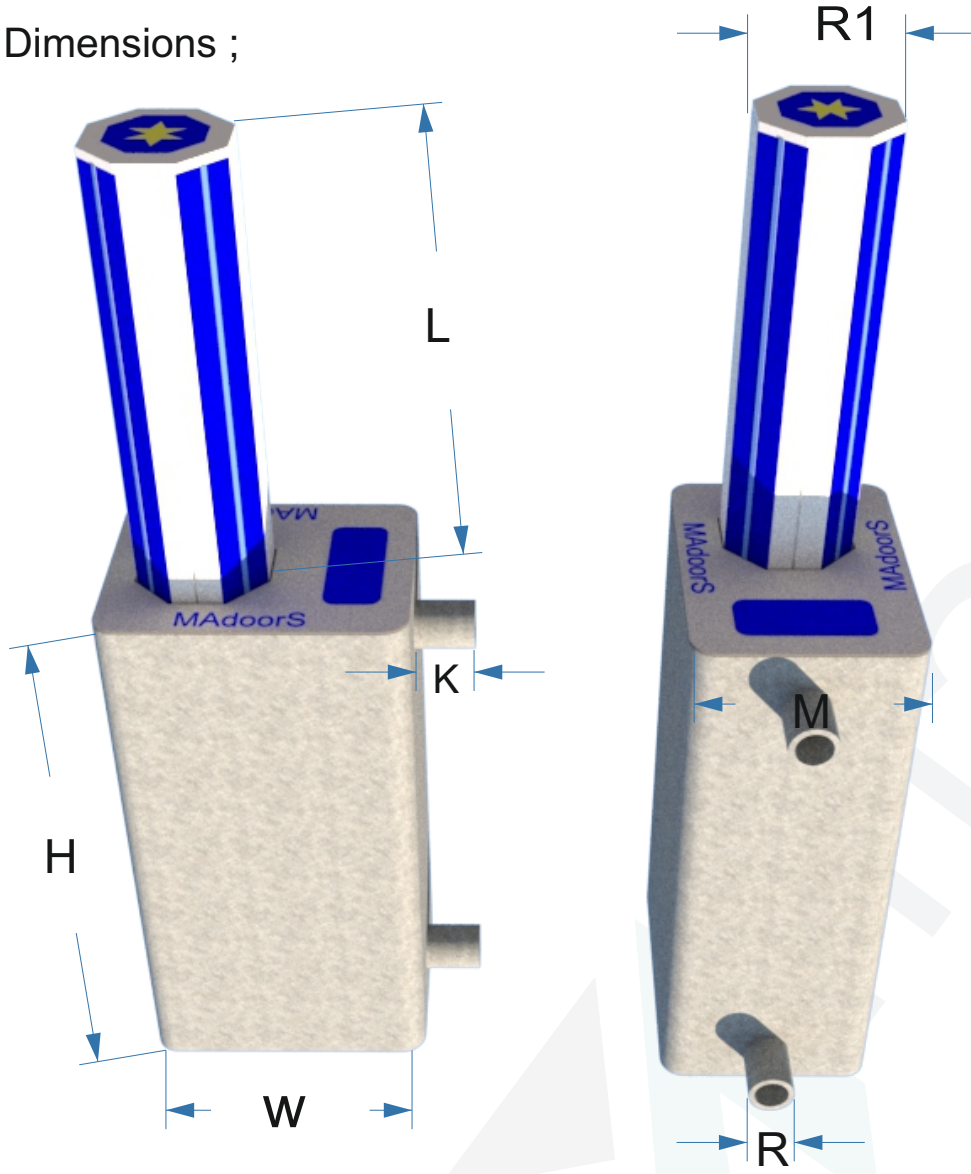


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Dimensions ;



	PB-400 / A	PB-400 / B	PB-400 / C
L	90 cm	70 cm	50 cm
H	120 cm	100 cm	80 cm
W	70 cm	60 cm	50 cm
M	60 cm	50 cm	50 cm
K	20 cm	20 cm	20 cm
R	10 cm	10 cm	10 cm
R1	270/320 mm	220 mm	170/220 mm.

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Tecnikal Specifications ;

Voltage	380 Volt AC. / 50-60 hz. - 220 Volt AC. / 50-60 hz.
Motor Power	2.2 kw . / 1.1 kw
Tempeture	-40 / + 60 Celcius
Groups	2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 Group Bollards
Covering	Stainless Steel / Hot Dip Galvanized Steel / Paint
Paint	Electro-Static Paint (Yellow / Orange / Red / Blue and All RAL codes)
Body Materials	S 355 Steel / Stainless Steel / Aluminium
Traffic Lights	Red-Green R=100 mm. / R=200 mm. Power Led Lights
Remote Control Button	2 Channel Remote Controller Receiver Card , 2 Channel Remote Control Button
Button	Cable Button IP 65 (Start-Stop-Emergency Stop)
Cyclider	Pneumatic High Pressure Aluminium Cylinder
Security Sensors	12/24 volt dc./ac. Photocell Security Sensor / Loop Dedector
Pipeline	Pneumatic Pipe 10 mm.
Water Drainage	Water Drainage Moto-Pomp

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