



## Automatic Flood Barrier Technical Datasheet



### **MADOORS AFB-4000/5000/6000 SERIES FLOOD BARRIERS AND GATES**

**2 YEARS WARRANTY**

Leader of Flood Barrier in the WORLD  
Advanced Technology Engineering Company

[www.madoors.com.tr](http://www.madoors.com.tr)

# AUTOMATIC FLOOD BARRIERS

Flooding is extremely dangerous and has the potential to wipe away an entire city, coastline or area, and cause extensive damage to life and property. It also has great erosive power and can be extremely destructive, even if it is a foot high

## What is a flood?

It is a natural event or occurrence where a piece of land (or area) that is usually dry land, suddenly gets submerged under water. Some floods can occur suddenly and recede quickly. Others take days or even months to build and discharge.

When floods happen in an area that people live, the water carries along objects like houses, bridges, cars, furniture and even people. It can wipe away farms, trees and many more heavy items.

Because of this really dangerous conditions you need a high quality flood barrier not just for stopping the water but also blocking the obstruct objects coming with water.





## What is automatic flood barrier ?

Automatic self-closing flood barrier, surge barrier or storm surge barrier is a specific type of floodgate, designed to prevent a storm surge or spring tide from flooding the protected area behind the barrier. A surge barrier is almost always part of a larger flood protection system consisting of floodwalls, levees (also known as dikes), and other constructions and natural geographical features. Flood barrier may also refer to barriers placed around or at individual buildings to keep floodwaters from entering those buildings.

Madoors flood barriers set up automatically and their body is galvanized steel. Seal does not leak water to safe zone by blocking. 2 years guarantee. Our flood-control systems are full automated. Even after the water flood, it works even at power failure. It has electronic water level switches. The flood of water closes the barracks even when you sleep at night. Water will not enter the safe zone. Our water flood barrier





Our automatic flood barriers with hydraulic and pneumatic working style are manufactured in one piece up to 10 meters. The mechanical part is designed according to the heavy vehicle passing over. It has a very strong body. Water flood barriers are produced domestically in Madoors factory. They are designed with the required length and height according to your project needs. There is absolutely no electrical parts on the roof. Only the air and hydraulic piping are on the ground. The electric panel is installed in a place that does not receive water. The MAdoors Automatic Self-closing Flood Barrier Systems are This product is ideal for protecting walk doors, retaining walls, driveways, storefronts or loading docks/ramps during flash flooding conditions. Available in mild steel, stainless steel or aluminum



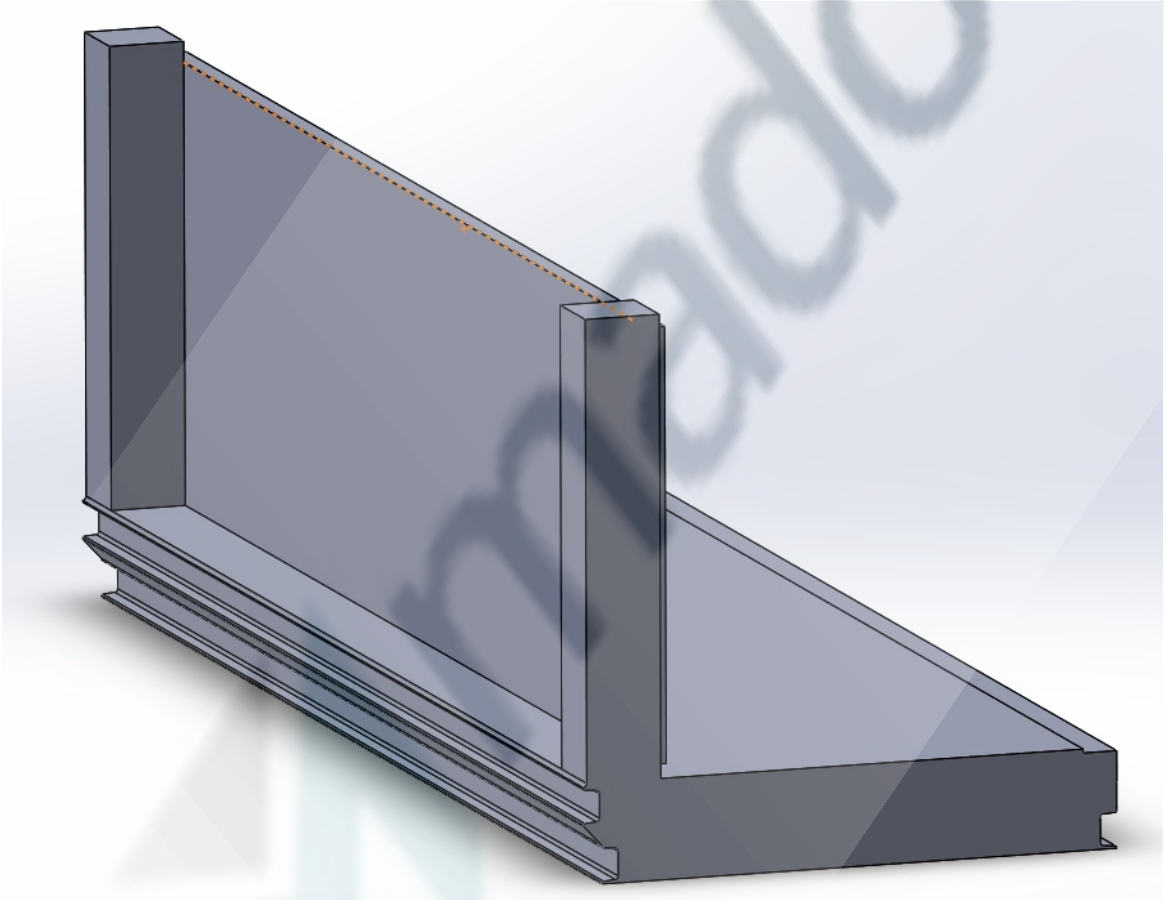


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# **MADOORS BARRIER SYSTEMS**

## **Automatic Hydraulic Flood Barrier**

### **Technical Specifications**



+90 (312) 354 64 22  
+90 (312) 385 93 36 (Faks)



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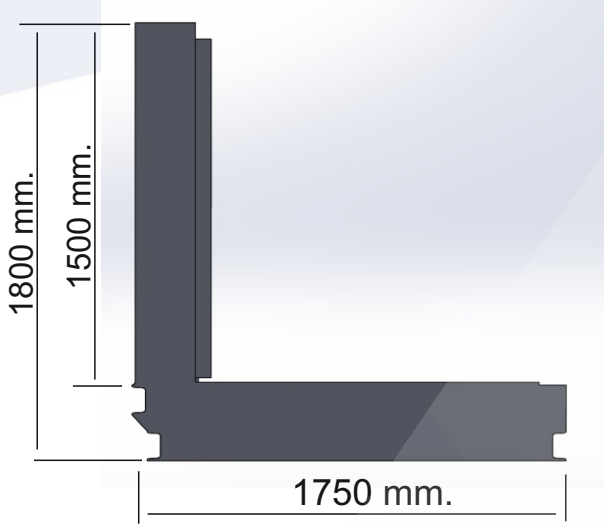


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## Hydraulic Flood Barrier

### Electrical Specification

<b>Control unit</b>	Madoors Control Unit (All Electrical Component Siemens Mark)
<b>Power</b>	3 Phase / 380 Volt AC.
<b>IP grade</b>	Electrical Box IP 65
<b>Working temperature</b>	-40 / +75 C.
<b>Operating humidity</b>	Up to 95% non-condensing
<b>Use</b>	2 , 3 , 4 , 5 , 6 , 7 , 8 Meters Lenght Dimensions
<b>Power absorbed</b>	2.2 KW , 4 KW 
<b>Signalling (optional)</b>	illuminated audible siren 
<b>Sensors</b>	2 sets photocell sensor 
<b>Local remote control</b>	<ul style="list-style-type: none"> <li>Digital inputs</li> <li>Radio remote control</li> <li>Normally open-close-stop cale button</li> </ul>  



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# MADOORS BARRIER SYSTEMS

## Automatic Hydraulic Flood Barrier

### Main Features

Dimesions	H=1500 mm. / Length=7000 mm.
Buried structure	St37 Steel / 80 mm . NPU / Cover 3 mm. steel
Foundation	Reinforced concrete
Excavation	2000x7500x450 mm.
Break-in resistance	667 000 J
Paint	Jotun Mark 2 coats anticorrosive painted / Jotun mark epoxi paint
Passive visibility	Yellow Paint Barrier up and down
Flange	Sit Flange 80 mm NPU
Top cover	10 mm. steel
Actuator	Hydraulic
Power	380 Vac $\pm 10\%$ , 50-60 Hz
Working time	6 - 12 Second Between
Working temperature	- 40 / + 75 C.
Operating humidity	Up to 100%
IP grade	IP 65
Hand operation	Flood Barrier in case of power failure Can be moved open and closed with Hydarulic manual hand pump
Weight including packaging	1200 KG. 1 piece flood barrier only body



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