



Flood & Storm Tide Gates

**One Man
Operational
(OMO)**

The One Man Operational (OMO) Flood Gate is a horizontally opening flood gate. The gate is controlled manually, with an option for hydraulic or electronic control.

Ease of maintenance and ease of operation mean we regularly recommend them as part of our flood protection solutions

- Suitable for coastal, estuarine & riverine flood protection
- Standard sizes & bespoke designs available
- Designed accordingly to steel structures EN1993
- Available in a large range of colours
- Low maintenance
- Life span in excess of 25 years



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Key Features



COASTAL & INLAND

Suitable for coastal, estuarine & riverine environments



LOW MAINTENANCE

Low ongoing maintenance



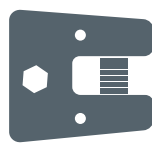
EFFICIENT OPERATION

Single person operation



ABRASION RESISTANT

High strength, lightweight steel finished in abrasion resistant paint. Stainless Steel available



HINGED SYSTEM

Swing hinge system featuring high strength lubricated hinges, bolts & fixings



PROTECTIVE CHANNELS

Unique high quality seals retained in protective channels



HIGH STRENGTH

High strength steel support structure with anti-rust finish



LONG LIFE

Designed to last in excess of 25 years. High Quality seals are retained in protective channels



COST EFFECTIVE

No high on-going expenses, only requires service and visual checks once installed



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Technical Information

Applications

- Suitable for use in both industrial and residential settings, and in coastal, estuarine & riverine environments

Seals

- EDPM, semi open cell bespoke seals
- Seals are specially designed to suit the gates threshold

Sizing

- Single OMO Flood Gates can be made up to 4m wide x 3m high
- Double OMO Flood Gates can be made up to 8m wide x 3m high
- Other sizes can be reviewed by an M3Floodtec Structural Engineer. For bespoke design and manufacture contact us

Latch/Lock

- Long handles designed for easier closing and locking
- Padlocks can be added to secure the gate

Hinges

- Anti-theft hinge plates
- Adjustable hinges
- Specialist bushes and bearings for easy maintenance
- Hinge dampers can be added

Standard aperture sizes		S = single leaf D = double leaf B = Available both single and double leaf														
		Width of Gate														
Protection height (mm)		1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8
	500	S	S	S	S	S	B	D	D	D	D	D	D	D	D	D
	1000	S	S	S	S	S	B	D	D	D	D	D	D	D	D	D
	1500	S	S	S	S	S	B	D	D	D	D	D	D	D	D	D
	2000	S	S	S	S	S	B	D	D	D	D	D	D	D	D	D
	2500	S	S	S	S	S	B	D	D	D	D	D	D	D	D	D
3000	S	S	S	S	S	B	D	D	D	D	D	D	D	D	D	

