



In riverside and coastal locations, One Man Operational (OMO) Flood Gates are a particularly effective solution. Ease of installation, ease of maintenance and ease of operation mean we regularly recommend them as part of our flood protection solutions.

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

OVERVIEW

- Comes in standard sizes, but option for bespoke design is available
- Has a unique engineered latch which is designed to lock the gate in seconds
- No high on-going expenses; only requires service and visual checks once installed
- Life span in excess of 25 years
- Designed accordingly to steel structures EN1993
- British design and manufactured in UK
- Cast in or retro-fit solution. For retro fit, specialist anchors & resins are used
- Once installed the gate closes within minutes to form a robust seal
- Range of paint options are available in RAL colours, with the option to powder coat or wet spray
- The gate can be manufactured in stainless steel (316) or mild steel (S275JR)
- UKFB have an experienced civils installation team with over 30 years' experience on hand to advise on any requirements

APPLICATIONS

- Suitable for use in both industrial and residential settings, and in river or coastal terrain



EFFICIENT OPERATION

Single person operation



COASTAL AND INLAND

Suitable for coastal and inland environments



LOW MAINTENANCE

Easy to install and low ongoing maintenance



ABRASION RESISTANT

High strength, lightweight steel finished in abrasion resistant paint



HIGH STRENGTH

High strength steel support structure with anti-rust finish



HINGED SYSTEM

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



PROTECTIVE CHANNELS

Unique high quality seals retained in protective channels

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 a UKFB Structural Engineer. For bespoke design and manufacture contact UK Flood Barriers

Standard aperture sizes		S = Single Leaf D = Double Leaf B = Available both Single & Double Leaf															
		<i>Width of Gate (m)</i>															
<i>Protection height (mm)</i>		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	S	S	B	D	D	D	D	D	D	D	D
	1000	S	S	S	S	S	S	S	B	D	D	D	D	D	D	D	D
	1500	S	S	S	S	S	S	S	B	D	D	D	D	D	D	D	D
	2000	S	S	S	S	S	S	S	B	D	D	D	D	D	D	D	D
	2500	S	S	S	S	S	S	S	B	D	D	D	D	D	D	D	D
3000	S	S	S	S	S	S	S	B	D	D	D	D	D	D	D	D	

LATCH/LOCK

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

SEALS

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

HINGES

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

