

TILTING FLOOD BARRIERS

Tilting Flood Barriers are permanently installed, autonomously rising to a vertical position to isolate access areas from flood waters.

PASSIVE TILTING FLOOD BARRIERS

Operate on buoyancy principles to ensure the flood barrier automatically deploys, as flood waters rise, providing complete peace of mind.

POWERED TILTING FLOOD BARRIERS

Have the additional ability for PRE or POST inundation Flood Barrier Deployment; utilising level sensors for automatic deployment as well as the option to locally and/or remotely operate flood barriers when required, giving you complete control of your flood barriers.

FEATURES

- Tilting Flood Barriers may be Passive or Actuated.
- Fabricated from marine grade aluminium.
- Designed for strength, high corrosion resistance and long asset life.
- Low maintenance design.
- Fully trafficable.
- Excellent sealing.

APPLICATIONS

- Commercial.
- Residential.
- Basement Car Park Entrances.
- Building Entry.





TILTING FLOOD BARRIERS

DESIGN

DESIGN SUPPORT

- All FloodFree Barriers are purpose-designed, engineered and manufactured.
- Project partners receive full design support to ensure the product delivered will be engineered and certified to withstand site specific worse case scenarios for expected flood water height, debris loading, deployment times etc.
- Design considerations include the condition of the nominated site, with options for greenfield and brownfield sites.
- Optional extras for automated systems include battery charged backup systems (to ensure flood protection during power black-outs), warning lights and SMS alarms.

SIZES

- Minimum height 500mm, plus 250mm increments up to 1500mm.
- Alternative heights available subject to AWMA engineering approval.

MATERIALS

- Fabricated to suit project requirements including trafficable loads.
- Materials used in the construction of AWMA's FloodFree range have a high corrosion resistance and can be operated for many years with minimal maintenance.

MAINTENANCE

- The AWMA Flood Gate range has a minimum 25 year design life.
- Minimal maintenance is required ensuring low 'whole of life costs'.

MANUFACTURE

QUALITY

- All fabrication is in accordance with the 'Australian Technical Specification for Fabricated Water Control Infrastructure'.
- All procedures are in accordance with AWMA's accredited ISO 9001 Quality Management System to ensure each gate is manufactured to a high standard.

INSTALLATION

ACTUATION SYSTEMS

- Tilting Flood Barriers may be Passive or Actuated.

OPERATION SYSTEMS

- Passive Tilting Flood Barriers deploy automatically, using principles of buoyancy to ensure barriers raise ahead of flood waters. The passive flood barrier will deploy and retract as required, without any human interaction, providing complete peace of mind.
- Powered Tilting Flood Barriers use level sensors to automatically deploy the tilting flood barrier as required, with the additional advantage of manual and/or remote deployment at any time, for complete control of your flood barriers.

COMMISSIONING

DOCUMENTATION AND TRAINING

- Detailed documentation on operation, testing procedures and maintenance will be provided with all AWMA flood defence systems.
- Comprehensive on and/or off site training available.



FLOODFREE PRODUCTS DESIGNED AND MANUFACTURED BY AWMA WATER CONTROL SOLUTIONS:

HEAD OFFICE

Phone +61 3 5456 3331 Email info@awmawatercontrol.com.au

118 Roviras Road, PO Box 433, Cohuna Victoria 3568, Australia.

www.awmawatercontrol.com.au