

**FLOOD/FREE**



# RETRACTABLE FLOOD BARRIER

AWMA's Retractable Flood Barrier is a sliding floodgate designed specifically to isolate large openings as part of a total flood defence system.

## FEATURES

- Effective solution for large openings up to 10m wide and 3m high.
- Proven AWMA side-winding gate design.
- Low maintenance design ensures the flood barrier remains ready to deploy at all times.

## APPLICATIONS

- Typically installed on driveway entry points
- Residential and commercial building protection
- Property boundaries
- Liftwells
- Driveways
- Doorways
- Basement entry
- Ventilation points
- Pedestrian access



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## DESIGN

### DESIGN SUPPORT

- AWMA's design team will provide full support to ensure the most appropriate solution is developed and specified during the preliminary design.

### SIZES

- Customisable to suit specific site requirements.

### MATERIALS

- AWMA select materials to meet a minimum design life of 25 years. Where required, AWMA can offer higher grade materials, coatings and protection systems to extend the design life to 100+ years.
- Materials used for barriers and frames include marine grade aluminium and grades 304, 316, 2205 and 2507 stainless steel.
- AWMA use ultra high molecular weight polyethylene (UHMWPE) for guides to provide maintenance free bearing surfaces.
- Plasticised PVC or EPDM are used for the manufacture of seals.
- Materials used in the construction of the Flood Barrier range have a high corrosion resistance and can be operated for many years with minimal maintenance.

### SEALING

- The seal performance of AWMA Flood Gates exceeds that required by the 'Australian Technical Specification for Fabricated Water Control Infrastructure'.

### MAINTENANCE

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

## MANUFACTURE

### QUALITY

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

## INSTALLATION

### MOUNTING OPTIONS

- Barriers are designed to retrofit existing infrastructure or 'green field sites'.
- AWMA offer install supervision for all turn-key installations.

### ACTUATION SYSTEMS

- The AWMA Retractable Flood Barrier is designed to function via manual and/or automated control.

### OPERATION SYSTEMS

- The gate leaf will travel sideways to close the gap in the existing wall, completing the flood barrier to protect the property from rising water levels.

## 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.



### HEAD OFFICE

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