Protect your property, assets and livelihood with proven, Australian made, Flood Barriers.
FloodFree offer a proven range of purpose-built Flood Barriers, designed and manufactured in Australia by AWMA Water Control Solutions.

The FloodFree Barrier range consists of four key products:

CONCEALED FLOOD BARRIER

DEMOUNTABLE FLOOD BARRIER

RETRACTABLE FLOOD BARRIER

TILTING FLOOD BARRIER
FloodFree barrier designs have been accepted by councils Australia-wide with installations including:

- Underground carparks
- Driveways
- Building entrances
- Basements
- Pedestrian access and pathways
- Asset protection
- Flood Levees
The Concealed Flood Barrier is self-actuating. Rising flood waters automatically deploy the barrier via floatation.
FEATURES
The barrier is permanently installed below ground level at the isolation point, ready for deployment when required.
Rising water levels cause an automatic response, elevating the isolation barrier via floatation.
• Suitable for 1m-20m wide openings.
• Low maintenance design.
• Options available to meet aesthetic and traffic loading requirements.
• Minimal footprint.

DESIGN SUPPORT
All FloodFree Barriers are purpose-designed, engineered and manufactured by AWMA Water Control Solutions.
AWMA’s design team provide full support to project partners, ensuring the product delivered will be engineered and certified to withstand 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.

MAINTENANCE
The FloodFree range has a minimum 25 year design life. Minimal maintenance is required ensuring low ‘whole of life costs’.

QUALITY
All procedures are in accordance with AWMA’s accredited ISO 9001 Quality Management System to ensure each barrier is manufactured to a high standard, tested and ready for trouble free operation.

OPERATION
The Concealed Flood Barrier uses approaching floodwaters to automatically raise the barrier without human intervention, electricity or mechanical assistance.

DOCUMENTATION
Detailed documentation on operation, testing procedures and maintenance can be provided with all FloodFree Barriers.

TRAINING
Comprehensive on and/or off site training available.
Demountable Flood Barriers allow asset owners to manually deploy their own protection barriers to isolate flood and storm waters in and around existing infrastructure.
FEATURES
- Construct to an infinite length.
- Modular segments are fabricated in 100mm, 200mm or 300mm high increments.
- Segments consist of extruded section with embedded seals.
- Storage solutions and transportation trolleys available.
- Economically viable.

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Design considerations include the condition of the nominated site, with options for greenfield and brownfield sites.

MAINTENANCE
The FloodFree range has a minimum 25 year design life. Minimal maintenance is required ensuring low ‘whole of life costs’.

QUALITY
All procedures are in accordance with AWMA’s accredited ISO 9001 Quality Management System to ensure each barrier is manufactured to a high standard, tested and ready for trouble free operation.

OPERATION
The Demountable Flood Barriers are designed to be manually deployed by one or two operators.

DOCUMENTATION
Detailed documentation on operation, testing procedures and maintenance can be provided with all FloodFree Barriers.

TRAINING
Comprehensive on and/or off site training available.
RETRACTABLE FLOOD BARRIER

The Retractable Flood Barrier is permanently installed within existing infrastructure then slides to seal large openings.
FEATURES
• Suitable for 1m - 30m wide openings up to 3m high as standard.
• Easily deployed by a single operator.
• Safe track system.
• Custom designed to meet site requirements.
• Low maintenance.
• Can be designed to complement building facades.

DESIGN SUPPORT
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Design considerations include the condition of the nominated site, with options for greenfield and brownfield sites.

MAINTENANCE
The FloodFree range has a minimum 25 year design life. Minimal maintenance is required ensuring low ‘whole of life costs’.

QUALITY
All procedures are in accordance with AWMA’s accredited ISO 9001 Quality Management System to ensure each barrier is manufactured to a high standard, tested and ready for trouble free operation.

OPERATION
The Retractable Flood Barrier travels sideways to close the gap in an existing wall, completing the isolation required to protect assets from rising water levels.

DOCUMENTATION
Detailed documentation on operation, testing procedures and maintenance can be provided with all FloodFree Barriers.

TRAINING
Comprehensive on and/or off site training available.
TILTING FLOOD BARRIER

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

Passive Tilting Flood Barriers are engineered on buoyancy principles to ensure automatic deployment ahead of flood waters.

Electric and Hydraulic Tilting Flood Barriers are locally and/or remotely operated.
FEATURES

• Tilting Flood Barriers may be Passive or Actuated.
• Fabricated from materials to suit site specifications.
• Low maintenance design.
• Fully trafficable.
• Excellent sealing.

DESIGN SUPPORT

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MAINTENANCE

The FloodFree range has a minimum 25 year design life. Minimal maintenance is required ensuring low ‘whole of life costs’.

QUALITY

All procedures are in accordance with AWMA’s accredited ISO 9001 Quality Management System to ensure each barrier is manufactured to a high standard, tested and ready for trouble free operation.

OPERATION

Tilting Flood Barriers are engineered to ensure automatic deployment ahead of flood waters.

DOCUMENTATION

Detailed documentation on operation, testing procedures and maintenance can be provided with all FloodFree Barriers.

TRAINING

Comprehensive on and/or off site training available.